PLANNING COMMISSION
AGENDA REPORT

DATE: February 15, 2023

AGENDA OF: February 23, 2023

ITEM NO: **CP22-0128** **113, 119 Lincoln Street**

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**RECOMMENDATION:** **That the Planning Commission recommend to the City Council acknowledgement of the environmental determination and approval of the Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, and Lot-Line Adjustment to demolish the existing surface parking lot and structures and construct the Library/Affordable Housing Project based on the findings listed below and Conditions of Approval listed in Exhibit "A."**

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**PROJECT DATA:**

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| Property Owner: | City of Santa Cruz (119 Lincoln Street), APNs: 005-141-11, -21<br>Christophe and Cecile Bellito Trust (113 Lincoln Street) |
| Applicant: | Jim Rendler, For the Future Housing, Inc. |
| Application Type: | Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, and Lot-Line Adjustment to demolish the existing surface parking lot and structures and construct the Library Mixed-Use/Affordable Housing Project, encompassing development of a new, approximately 273,194 square-foot, eight story building integrating a three story, approximately 38,069 square-foot City library featuring two floors double heighted with elevated ceilings; a three-story parking garage with 243 parking spaces; a five story, 100% affordable housing component comprising 124 residential units; a three story, approximately 9,598 square-foot commercial tenant space; a one story, approximately 1,231 square-foot childcare facility with adjoining 674 square-foot outdoor play area; and new landscaping and associated site improvements on land located in the CBD/FP-O (Central Business District/Floodplain Overlay) zone districts and within the Cedar Street Village Corridor and Pacific Avenue Retail District Subareas of the Downtown Plan. |
| Zoning: | CBD/FP-O (Central Business District/Floodplain Overlay) |
| Project Consistency: | Consistent with approval of permits and pursuant to State Density Bonus Law |
| General Plan: | RVC (Regional Visitor Commercial) and Downtown Plan (Cedar Street Village Subarea) |
| Project Consistency: | Consistent with General Plan designation and Downtown Plan with approval of permits and pursuant to State Density Bonus Law |

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|---|---|---|
| Land Use: | - existing: | City surface parking lot and commercial building (currently occupied by *Toadal Fitness*) |
| | - proposed: | New, eight-story mixed-use building |
| | - in area: | Mixed-use buildings, commercial buildings, public facilities, and residential buildings |
| Lot Area: | | 66,921 square feet (1.54 acres) |
| Environmental Review: | | Limited Environmental Review for projects consistent with General Plan, Community Plan or Zoning Action pursuant to Public Resources Code section 21083.3 and CEQA Guidelines section 15183. |
| Planning Staff: | | Timothy Maier, Senior Planner |

## SITE DESCRIPTION/BACKGROUND

### *Site and Proposed Project*

The subject site comprises an approximately 66,921 square-foot (1.54-acre), generally rectangular area consisting of two adjacent lots designated by Assessor's Parcel Numbers 005-141-11 and 005-141-21, located primarily in the Cedar Street Village Corridor of the Downtown Plan and within the Central Business District (CBD) zone, and bounded by Lincoln Street to the north, Cedar Street to the west, and Cathcart Street to the south. The site lies west of Pacific Avenue and south of Soquel Avenue, approximately 0.1 mile from the San Lorenzo River and 0.75 mile from the Pacific Ocean. Neighboring land uses include commercial buildings to the north, south, and east, and a quasi-public facility (*Calvary Episcopal Church*) to the west, with surface parking facilities located adjacent to the project site to the north and west, separated from the subject property by city streets. Commercial establishments along Pacific Avenue and Front Street, as well as City Hall and the Civic Auditorium are situated in the immediate vicinity, with residential, commercial, mixed-use, and public facilities destinations located within several blocks of the subject site. An approximately 10-foot-wide swath of the easterly portion of the project site falls within the Pacific Avenue Retail District subarea of the Downtown Plan, located outside the area in which the proposed building would be sited and overlapping with a proposed service access alley; therefore, for the purpose of this report, the proposed project has been evaluated for its consistency with the criteria of the Cedar Street Village Corridor.

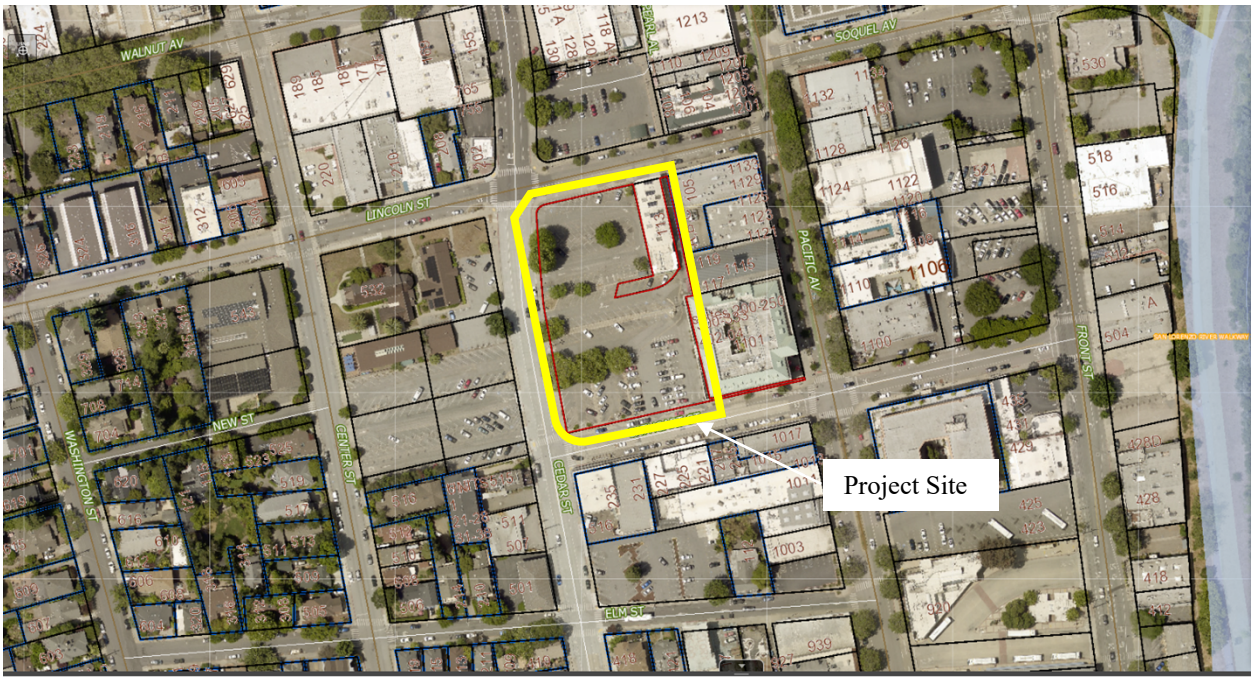



Figure 1: Site and Vicinity Map

The project proposes demolition of both the existing City surface parking lot at 119 Lincoln Street and the commercial building currently occupied by *Toadal Fitness* at 113 Lincoln Street, and encompasses construction of a new, approximately 273,194 square-foot, eight-story building integrating a three story, approximately 38,069 square-foot City library featuring two floors double heighted with elevated ceilings; three story parking garage with capacity of 243 parking spaces; five story, 100% affordable housing component comprising 124 residential units; three story, approximately 9,598 square-foot commercial tenant space; one story, approximately 1,231 square-foot. childcare facility and adjoining 674 square-foot outdoor play area; open-air roof deck; new landscaping, and associated improvements to the subject site and surrounding public right-of-way. Development would span the entire block of Cedar Street between Lincoln and Cathcart streets.

As the centerpiece and anchor of the project, a new library of approximately 38,069 square feet would extend from the site's northwest corner roughly two-thirds the length of the Cedar Street frontage, accessed by a pedestrian entry positioned midblock and situated below a third story landscaped open-air rooftop terrace at the southwest corner of Cedar and Cathcart streets. The development would also incorporate a three-story parking facility, with vehicular access from Cathcart Street; and five-story, 100% affordable housing building above, featuring studio-, one-, two-, and three-bedroom units ranging in size from 344 to 957 square feet. The project integrates a new single-story childcare facility and adjoining outdoor activity space, along with three-story commercial tenant space at the building's southwest, near the Cedar /Cathcart Street intersection and oriented to Cedar Street. Bicycle parking stalls, 258 in total, are arranged at various locations throughout the site, both within the structured parking facility as well as along the pedestrian entry corridor and exterior of the building, offering secured, lockable storage options.

***Site History***

Research of available archives reveals that the original development of 113 Lincoln Street occurred approximately 80 years ago. Per City records, on March 26, 1941, issuance of a Building Permit (Permit No. 4341) allowed construction of a reinforced concrete commercial building. Subsequent modifications

included placement of a stucco overlay to the building and allowed remodel of its electrical system in 1970, conversion of the commercial building to a health clinic in 1980, and addition of an interior second story in 2013. Issuance of a demolition permit (D13-0040) and Building Permit for tenant improvement (B13-0540) facilitated adaptive reuse of the building as a health fitness studio in that same year.

The adjacent parcel addressed 119 Lincoln Street, currently a City-owned surface parking field, replaced a pre-existing commercial building constructed in 1940 for Safeway Stores, Inc. (Permit No. 2950, issued July 18, 1940).

***History of Proposed Redevelopment of the Site***

*New Library*

Efforts leading to proposed redevelopment of the subject site began over a decade ago. In 2012, the Santa Cruz Public Libraries (SCPL) initiated a comprehensive facilities master planning process, culminating in preparation of the Library Facilities Master Plan dated March 28, 2014. Later, in June of 2016, passage of Countywide Measure S supplied funding to upgrade, modernize, construct and expand library facilities throughout the County, including those located within City limits.

On January 25, 2018, the City's Downtown Library Advisory Committee (DLAC), formed as an advisory body to the City Council, adopted the Recommendation of the Downtown Branch Library and formally recommended inclusion of the new downtown library in a "joint-use project with a parking garage on the city-owned property on Cedar Street", deeming the subject site an "ideal location" for this venture. On May 14, 2019, the City Council voted to direct formation of the Downtown Library Subcommittee as a subgroup of the City Council responsible for evaluating project alternatives in collaboration with Library staff and City residents. From May 2019 to June 2020, the Downtown Library Subcommittee engaged the community, including key stakeholder groups and the broader public, and solicited residents' feedback regarding suggestions for formation of new library facility, including potential integration within a conceptual mixed-use development format.

Following extensive community outreach efforts and a competitive bid process, the City Council selected Jayson Architecture to spearhead design of a reimagined downtown library and evaluate the feasibility of renovating the 42,000 square foot, two-story existing downtown branch library. Jayson Architecture compiled the Santa Cruz Downtown Library Renovation Cost Assessment dated November 22nd, 2019, detailing its findings, and presenting conclusions to the Downtown Library Subcommittee on December 13th, 2019.

In February 2020, the City Council selected a second design firm to evaluate the cost of two options for relocating the downtown library branch to a publicly owned site on Cedar Street as part of a potential mixed-use development additionally incorporating affordable housing and parking. A Santa Cruz Downtown Library Mixed-Use Project Cost Assessment Volume I dated May 29, 2020 and Cost Assessment Volume II, presented four alternative options for library development. After deliberation, the City Council selected an option including an approximately 37,000 square-foot library and lower cost park-on-ramp design starting at ground level, with limited-sized lobby and support areas located below the Cathcart Street frontage. Through separate, competitively bid processes, the City selected Griffin Structures, Inc. to act as project manager; both Eden Housing and For the Future Housing, Inc. as the Affordable Housing Developers (responsible for overall building development tasks with their Architect team Ten-Over Architects); and Jayson Architects to serve as the Library Master Architect.

*City Council Direction*

On December 6, 2016, at a public hearing of the City Council, the Council directed City staff to form a Library Advisory Committee, which became known as the "Downtown Library Advisory Committee" (DLAC), to ascertain an appropriate approach to construction of a new downtown library. The Council additionally instructed staff to formulate recommendations for realization of a new permanent location for the Downtown Farmers Market, managed by Santa Cruz Community Farmers' Markets at the subject site and currently operating via an annually renewed Major Special Event Permit; and devise a matrix of parking fee rates to fund the parking portion of a potential development project.

At a June 19, 2018, Study Session, the City Council received a report from the DLAC which endorsed the integration of a new library facility into a new mixed-use project at Parking Lot 4, as the option among several considered, anticipated to attain the greatest number of desired program and design features within identified spatial constraints while avoiding the need for development of a temporary library facility during construction of the ultimate project. The report also advised the development of a Parking Rates Strategy which balances user fees and phases out deficiency fees intended to fund new parking capacity as part of a mixed-use library project (DLAC Final Report).

At the September 11, 2018, meeting of the City Council, the Council took action to proceed with the library mixed use project and develop a plan for redevelopment of the existing library site. Despite initial momentum, on May 14, 2019, the City Council adopted a motion for abeyance of further action and instead approved formation of a Council Subcommittee, as referenced above, to investigate potential project alternatives in collaboration with Library staff and the interested community (Library Subcommittee Resources).

On June 23, 2020, the City Council, following a year-long study and outreach process undertaken by the Council Subcommittee, approved to proceed with development of a Mixed-Use Library Project comprising a new modern library, affordable housing component of minimally 50 units, and a parking facility with up to 400 parking stalls at Parking Lot 4, located at 119 Lincoln Street On October 27, 2020, the Council received a presentation from staff regarding fiscal implications for development of the housing and parking components of the project and authorized a contract for assignment of a project Owner's Representative.

On December 14, 2021, the City Council accepted the updated concept design presented by the Project Team and Library Master Architect following a series of community workshops and further directed to move forward with schematic designs along with an updated budget and project timeline. This action also increased the programmatic goals and objectives of the overall project and set in motion the design work completed to date.

On May 10, 2022, the Downtown Santa Cruz Library Master Architect and Project Team delivered to the City Council an update depicting the schematic design and presenting the community feedback received from additional community meetings regarding the plans prepared and detailed the anticipated budget for construction of the project as proposed.

*Preliminary Design*

Following the City Council's selection of Jayson Architects to spearhead design of the library, the architect engaged in a months-long community engagement process to solicit feedback regarding aspects of a conceptual library of value to the community. Outreach initiatives engaged a wide swath of community stakeholders and resident demographics, including parents, children, seniors, and teenagers, as well as

representatives of downtown businesses, whose feedback was compiled, and which informed design of the facility.

Following the architect's development of conceptual plans, the City and project design team again engaged the community through a series of workshops over a period of months, electing input regarding preliminary project design, including the library's exterior façade, site and roof plans, preliminary interior configuration, and parking and housing unit counts. Such engagement efforts resulted in modification of the preliminary proposed design to increase the number of affordable housing units to as many as 125 and to conceptualize a new library, oriented toward Cedar Street, enclosing approximately 40,000 square feet of programmable space, with 35,000 square feet indoors and 5,000 square-foot exterior terrace (deck) connecting the library interior to the building's rooftop. Coordination among members of the community, project architect, and City staff produced a preliminary design featuring five stories of affordable housing situated atop three stories of parking, with a parking stall count reduced from 400 to 310 to accommodate a greater number of affordable housing units, resulting in production of a schematic design then presented to the City Council. The Council reviewed and approved the schematic design at a meeting on December 14, 2021.

***Community Outreach Meeting***

Pursuant to the City's Community Outreach Policy for Planning Projects, a community engagement meeting (hosted via Internet video conference) was held on September 21, 2022, from 6:00 PM to 7:30 PM. The meeting was held during a Preapplication review of the project in order to allow for early input from the public. At the meeting, the applicant, including staff of the City's Economic Development Department, affordable housing developer, and project architects, delivered a presentation providing an overview of the scope of work and design of the project and responded to questions during and following the presentation. Approximately 66 members of the community, including various City officials, attended the meeting. Participants' questions centered primarily on aspects of the project related to availability of plans and project reports; programming details of the library, residential units, and structured parking; anticipated street and sidewalk improvements; credit of the residential units to the City's Regional Housing Needs Allocation (RHNA); consistency of the proposal to the General Plan and zoning designations and State Density Bonus Law; availability of parking; impacts associated with parking demand and generation of traffic; and sufficiency of funding to facilitate project development.

***Formal Application***

On November 8, 2022, a formal application (CP22-0128) for the proposed project was submitted. The formal application accommodated several revisions to the scope of work and design made following receipt of comments provided by City staff related to the Preapplication, which include refinements necessary to afford sufficient access by fire apparatus for purposes of emergency response and to address technical factors and resolve spatial constraints.

Notable revisions to the project presented in the formal application, which is the subject of review of this public hearing, compared to the design as submitted for the Preapplication, include the following:

- Reduction in size of the building from approximately 307,968 square feet to approximately 273,194 square feet resulting from alterations to the northerly facade of the building intended to provide sufficient clearance required for circulation of Fire apparatus during emergency response;
- Decrease in the number of parking stalls from an approximate range of 300 to 340 to a total of 243 stalls, along with a proposed reduction in parking stall dimensions;
- Reduction in/refinement of the size of the proposed commercial tenant space from approximately 10,000 square feet to 9,598 square feet;

- Refinement of the size of the proposed commercial childcare facility from a range of approximately 1,800 to 2,500 square feet to a combined commercial childcare component consisting of 1,231 square feet of indoor childcare space and 674 square feet of outdoor play space for a total combined commercial childcare component of 1,905 square feet.

***Farmers' Market***

The Downtown Santa Cruz Community Farmers' Market (Market) currently conducts operations at 119 Lincoln Street within City Parking Lot #4. The Market operates weekly, during the months of May through October on Wednesdays from 1:00 PM to 6:00 PM, and November through April, from 1:00 PM to 5:00 PM, featuring merchandise of a variety of vendors, including local organic farms, and highlights the offerings of a variety of emerging cultural food establishments.

As redevelopment of the subject site would displace the market from its present location, City staff have engaged Market management in ongoing discussions related to sites potentially available for relocation. On October 14, 2022, the City and Market released a Joint Statement regarding the positions of the City and Market regarding temporary alternative locations, with potential sites identified (City Parking Lot #7, a surface parking lot located at 505 Front Street, situated at the southeast corner of Front and Cathcart streets; and the City Hall complex, including the courtyard and surrounding public rights-of-way were among the locations identified). Conceptual plans for one of the permanent option considerations have been developed (Lot #7). A rendering of the conceptual design completed for Lot #7, which includes a permanent covered structure over a portion of the lot, appears below.

The Joint Statement details the mutual commitment of the City and Market to maintain the Market downtown and describes the City's commitment to working with the Market to identify both temporary and permanent locations for consideration, per the Market's request.

Action taken for relocation of the Farmers Market fall outside the scope of this project and the information contained herein is merely provided as background. (Joint Statement and MOU).

Figure 2: Rendering of Conceptual Farmer's Market Lot at Parking Lot #7, Including New Covered Structure

***Entitlements Required***

The proposed project requires a number of entitlements, including the following, which necessitate a recommendation from the Planning Commission prior to final action by the City Council:

a. Nonresidential Demolition Authorization Permit – required for review of proposed demolition of the existing commercial building located at 113 Lincoln Street.
b. Use Permit – required for consideration of:
    (1) Development exceeding sixteen thousand (16,000) gross square feet per single-tenant/establishment
    (2) Development of structures exceeding a height of 35 feet within the Cedar Street Village Corridor
c. Design Permit – required for review of:
    (1) Site and building design
    (2) Proposed increase in height above 35 feet for a project in located in the Cedar Street Village Corridor subarea, pursuant to the standards of the City's Downtown Plan which states that City Council review and approval is required for the proposed height exceedance
d. Lot-Line Adjustment – required for proposed relocation of property boundaries for combination of two existing lots

***Lot-Line Adjustment***

The project site comprises two adjacent lots, addressed 113 Lincoln Street (APN 005-141-11) and 119 Lincoln Street. (APN 005-141-21). square feet. Per Code Section 23.34.010, a Lot Line Adjustment is required to combine the substandard parcel with the contiguous, conforming lot at 119 Lincoln Street to facilitate development of the proposed development.

***Heritage Tree Removal Permit***

The proposed project would prompt the removal of twelve trees, including nine Heritage Trees, as placement of the proposed building would conflict with the trees' current locations. An application for Heritage Tree Removal Permit was received on October 12, 2022, and approved by City staff on October 18, 2022. Thereafter, on October 27, 2022, an appeal of the Heritage Tree Removal was filed by Pauline M. Seales and co-appellants.

At a December 12, 2022, public hearing, the Parks and Recreation Commission reviewed and denied the appeal, upholding staff's decision to approve the permit. Subsequently, on December 22, 2022, an appeal of the Parks and Recreation Commission decision to deny the prior appeal was filed and will be heard by the City Council. The Planning Commission will not act on the Heritage Tree Removal Permit appeal as a part of this proposal. However, a recommended condition of approval has been added regarding replacement of trees on-site and planting of new trees within the City's downtown.

***Decision on Entitlements by City Council***

On January 10, 2023, at the request of Mayor Keeley and Councilmember Newsome, the City Council voted to hear the project in total including the proposed permits and the appeal of the Heritage Removal Permit. Municipal Code Section 24.04.175 authorizes the City Council, on its own motion, to direct that any permit application processed pursuant to the Zoning Ordinance be referred to the Council for

consideration and final action. Therefore, the Planning Commission shall provide a recommendation to the City Council on the permits listed in this report and the City Council shall provide subsequent final action on the project as a whole, including the Heritage Tree Removal Permit appeal.

## ANALYSIS

### *Existing Development*

The subject site is currently developed with a City surface parking lot at 119 Lincoln Street, and as reported by County Assessor records, features an approximately 5,406 square-foot commercial building at 113 Lincoln Street occupied by an existing physical fitness studio (*Toadal Fitness*). As of the writing of this report, active negotiations continue between City staff and the property owner regarding the City's acquisition of the lot addressed 113 Lincoln Street and potential tenancy of *Toadal Fitness* within the new commercial space proposed as part of the Library Affordable Housing Project building, with a decision expected in the next several weeks.

### *Present Application*

The proposed mixed-use project includes residential and commercial uses as well as a library and parking garage. The 124-unit, five-story residential component is comprised of 13 studio units; 48 one-bedroom units; 32 two-bedroom units; and 31 three-bedroom units, ranging in size from 344 to 957 square feet. The commercial tenant space would be situated at the building's southwesterly corner, fronting both Cedar and Lincoln Streets, enclosing 9,598 square feet of floor area from the ground level to a third-floor mezzanine. The commercial tenant space has been designed to accommodate a potentially relocated fitness facility, as well as a range of tenant types likely to change over the lifespan of the building.

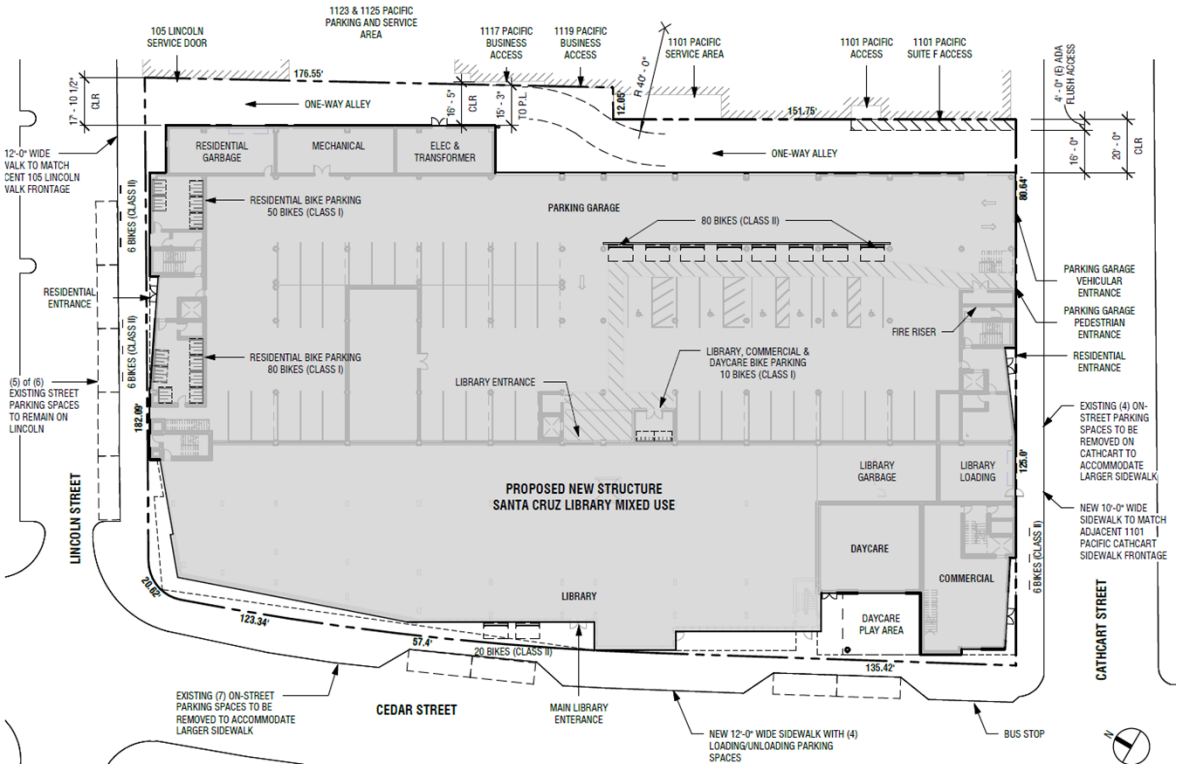



Figure 3: Proposed Site Plan

***Library***

The new library proposed would replace the City's existing downtown library. As included in the submitted plans, the library's footprint would occupy 17,914 square feet and span three vertical floors, enclosing a gross floor area of 38,069 square feet, including a double-heighted first story (interstitial space) and second floor and mezzanine access to 3,240 square feet uncovered rooftop terrace/patio.

Compared to offerings of the existing downtown library, the proposed library facility would introduce the following:

- 5,000 additional square feet for library services
- Restrooms in sufficient numbers and sizes to support patron demand
- Increased accessibility pursuant to the Americans with Disabilities Act (ADA)
- Improved building efficiency (electrical, heating/ventilation/air conditioning (HVAC), and lighting)
- Greater efficiency in utilization of space
- Infrastructure emphasizing soundproofing and infusing ample natural light
- Arrangement of interior space to include spaces reserved for community programs and interior layout by target audience, with separate entrances for each, along with room for expanded collections and enhanced technology

***Commercial Childcare***

The proposed project integrates a commercial childcare ("daycare") facility occupying 1,231 square feet of floor space, accessed through a controlled point of entry fronting Cedar Street with an adjacent 674 square-foot outdoor play space. Per directive of the City Council, the proposed childcare use would support a capacity of up to sixteen (16) children.

The Downtown Plan identifies Community Care Residential Facilities with fewer than seven (7) persons as principally permitted uses in the Cedar Street Village District and allows for evaluation of facilities accommodating seven or more persons (i.e., Large Family Daycare facilities) through application for an Administrative Use Permit (AUP). The Downtown Plan contains no category for consideration of a commercial childcare facility as proposed but allows for "other similar uses as determined by the Zoning Administrator to be consistent with the purpose of the subdistrict." The Planning Commission may thus consider the proposed childcare facility through the application for Use Permit required for other aspects of the proposed project.

Generally, regulation of commercial childcare facilities falls within the purview of the State of California Department of Social Services, Childcare Licensing Division (CCLD). CCLD standards require the provision of minimally 75 square feet of covered outdoor play space per child while in the care of a commercial childcare use, though that agency entertains requests for variation from the standard when warranted, as in the case of facilities of located within urban locales restricted by significant spatial constraints. City staff has contacted CCLD supervising personnel regarding the potential for approval of a variation to the minimum covered outdoor play space requirement; CCLD personnel have relayed that, historically, that agency has authorized exceptions of up to 50% from the standard 75 square-foot minimum. Accordingly, the 674 square feet of outdoor area proposed would appear to support a maximum of 17 children, should an exception to the California Department of Social Services CCLD regulations be granted. Additional standards apply to the provision of interior enclosed space, with at least 35 square feet of indoor activity space per child necessary based on the total licensed capacity, exclusive of areas such as bathrooms, halls, offices, food-preparation areas, and the like.

***Parking and Circulation***

As proposed, the project includes a three-story structured parking facility with a capacity of 243 parking stalls, with its first floor located at surface level and accessible from Cathcart Street, a two-way east and west bound roadway. As stated in the Downtown Plan, all parking facilities are required to step down to 35 feet adjacent to the street. With a proposed plate height of 33 feet, the parking component of the project conforms to the specified threshold for maximum height.

A vehicular entry at the site's most southeasterly point along its Cathcart Street frontage affords ingress and egress while providing sufficient separation from Cedar Street to maximize visibility to oncoming traffic and minimize conflicts among motorists, pedestrians, and bicyclists. Installation of a new driveway approach supports vehicular access. Pedestrian access to the parking garage would occur adjacent to the vehicular entries along the building's southerly elevation, as well as the project's north side, at the approximate midpoint of its Lincoln Street frontage.

Emergency vehicle access and service access would occur via a one-way alley proceeding north from Cathcart Street to Lincoln Street and aligned with the site's easterly property line, with a new driveway approach installed. Horizontal clearance narrows to a width of 15 feet, 3 inches due to the alley's curvature adjacent to a building projection housing a residential garbage enclosure, mechanical room, and electric transformer room, configured to align the building envelope to an irregular easterly property line and maximize buildable area. As proposed, the parking garage entry would be recessed, and an open-air design with support pillars would provide exiting vehicles clear lines of sight in both directions, including of the sidewalk fin both directions and provide adequate sight distances of both oncoming vehicles and pedestrians for exiting vehicles. Staff of the City's Police, Fire, and Public Works departments have reviewed the proposed design and have expressed that the proposed site plan affords adequate access by emergency response and service vehicles. Conditions of approval are included that require the final alley design to comply with the design requirements in the Downtown Plan by including such features as decorative lighting and pavement.

The project includes frontage improvements along Cathcart Street, Cedar Street, and Lincoln Street per City standards, including curbs, gutters, and expanded sidewalks. The proposed sidewalks would be built 10 to 12 feet wide, consistent with the Downtown Plan which specifies a minimum sidewalk width of 10 feet along Cedar Street but encourages wider sidewalks on east-west streets to encourage pedestrian use. The width of the sidewalk varies due to improvements and street curvatures but, in general, provides a 12-foot-wide sidewalk along Cedar Street and Lincoln Street and a 10-foot-wide sidewalk along Cathcart Street. The project also includes four loading/unloading parking spaces along Cedar Street and five on-street parking spaces along Lincoln Street. A bus stop would be provided on Cedar Street just north of its intersection with Cathcart Street. Staff of the Santa Cruz Metropolitan Transit District have reviewed the proposed location and have expressed support.

Early considerations of designs for parking capacity, aiming to achieve project objectives as directed by the City Council, led staff to shepherd design proposals including parking supply of up to 400 spaces. Following review of the site plan by Police and Fire Department staff and through iterative architectural revisions, the overall parking capacity has reduced to its present scale with capacity of 243 stalls. As a public parking facility, with access by a range of vehicle types anticipated, 116 of the total 243 parking stalls constitute standard-sized stalls with dimensions of 8.5 feet x 19 feet per regulations; (as specified in Municipal Code Section 24.12.280(2)(a), with 15 stalls reserved for electric vehicle (EV) use (13 required plus 2 additional), eight accessible stalls, and 117 compact spaces (48% of the total). The proposed configuration is intended to maximize total capacity while integrating larger, standard-sized stalls of a sufficient number to minimize congestion and delays.

Due to the site's location within the City's Downtown Parking District, the parking requirement is determined pursuant to Resolution NS29,858, which establishes a parking ratio of one parking space for every 400 square feet of gross floor area for all new commercial uses except for medical and dental offices. Further, density bonus law exempts the residential component of the project from provision of parking due to its level of affordability and location within half-mile of a major transit stop.

State legislation and City regulations allow for steep reductions from standard Municipal Code requirements due to the site's proximity to transit and by virtue of its location within Parking District 1, respectively. Despite available mechanisms for reduction of parking capacity below standard Code minimum requirements, provision of parking supply along with consolidation of parking supply from surface parking lots to structured parking throughout the City's downtown represents a primary objective of the project, as directed by the City Council. A study by consultant Nelson Nygaard dated March 2019 offered recommendations for long-term provision and management of parking capacity in the City's downtown and forecasted a continued loss of parking capacity in the City's urban core derived from ongoing development pressure and expectation for future intensified construction. Considering such expectations, a calculation of standard parking minimum requirements associated with the land uses incorporated, of the sizes as proposed in the DLAHP, has been conducted pursuant to SCMC 24.12.240 to demonstrate parking requirements for comparison.

The table below provides a comparison of parking for the proposed project, had it been located outside Parking District 1, to the same project located within the Downtown Parking District, with State legislation allowing reductions in parking invoked. The proposed project also includes a marked increase in the stock of existing bicycle parking capacity, enhancing access to alternative transportation means.

Table 1: Comparison of Parking Requirements for Project Located Outside Parking District 1 to the Proposed Project with Applicable State Legislation Implemented

| Project Component | Parking Requirement Outside Parking District 1 | Code Provision | Required Parking Capacity if Project were Located Outside Parking District 1 (For Reference Only) | Required Parking (Pursuant to State Law and NS29-858) | Total Required Parking (Inside Parking District 1) |
|---|---|---|---|---|---|
| Residential | | | | | |
| 13 studio units, 48 one-bedroom units | 1 parking space | SCMC 24.12.240 (s) | 61 | 0 | 0 |
| 32 2-bedroom units, 31 3-bedroom units | 2 parking spaces | SCMC 24.12.240 (s) | 126 | 0 | 0 |
| Other | | | | | |
| Library (38,086 square feet) | Unspecified – general rate of 1 space/400 square feet | SCMC 24.12.240(as)* | 95 | NS29-858 Unspecified – general rate of 1 space/400 square feet | 95 |

| | | | | | |
|---|---|---|---|---|---|
| | utilized as general rate | | | utilized as general rate | |
| Fitness Studio (9,598 square feet) | SCMC 24.12.240(q) | 1 space for each 250 square feet | 38 | NS29-858 Unspecified – general rate of 1 space/400 square feet utilized as general rate | 24 |
| Commercial Childcare -16 children | SCMC 24.12.240(f) | 1 for every 5 guests, plus 1 for each employee on the shift with the maximum number of personnel | 5 | NS29-858 Unspecified – general rate of 1 space/400 square feet utilized as general rate | 3 |
| Total | | | | | |
| | | | **325** | | **122** |

When calculated using the default standard parking requirements outside of Parking District 1, the proposed project would require a parking capacity of 325 stalls. Because the project is located within Parking District 1 and with applicable density bonus reductions, a total of 122 parking stalls are required. The project exceeds the minimum parking requirement of 122 stalls. Additionally, recent State legislation (AB 2097) effective January 1, 2023, would prohibit a public agency from imposing any minimum parking requirement on any residential, commercial, or other development project located within a half-mile of public transit. With strict adherence to AB 2097, the minimum requirements calculated as a theoretical exercise would be eliminated, except for any required accessible and electric vehicle charging stations, and, thus, the parking supply included in the project is primarily proposed for provision of replacement parking and consolidation of parking supply into structured parking for the Downtown Parking District 1, a defined goal set by City Council.

Supply of Public Parking required to support the proposed project and to facilitate patronage of existing and future downtown businesses and surrounding destinations represents a primary objective of the Downtown Library Affordable Housing Project. Demolition of the City surface parking lot (Lot 4) will result in the removal of 134 existing parking stalls from the current capacity within the City's downtown core. Construction of reasonably foreseeable future projects anticipated or pending within the City's downtown Parking District 1 area would additionally eliminate approximately 448 parking stalls. Some of these projects, including Pacific Station North and South, as well as the affordable housing project at 525 Cedar Street, do not include any parking supply, thereby creating additional demand within the parking district. Establishment of the City's permanent parklet program also diminishes the stock of available street parking spaces for use by business patrons, employees, residents, and visitors further supporting the need to exceed theoretical parking minimums. Construction of 243 new parking stalls as integrated in the proposed project provide vehicular parking capacity for library patrons, staff, visitors, and residents of the project who own vehicles and assist in offsetting the loss of parking capacity which would result from removal of the existing surface parking lot and deficits induced by existing and future downtown construction. However, even with the additional parking as proposed, a net loss of 205 parking stalls would remain in Parking District 1's overall parking supply, induced by construction of entitled and anticipated

future projects. This parking supply would not be dedicated to exclusive project use but become part of the overall managed Parking District 1 supply serving downtown businesses, residents, and visitors.

Expectations for persistent development pressure prompting additional parking demand, coupled with recent adoption by the State of various housing bills removing discretion by local jurisdictions to require parking minimums suggests a regulatory trajectory leading to declining on-site capacity in new projects and portends future conditions for a widening deficit between actual parking demand and provision or downtown parking capacity. Located within a half-mile of a major transit stop, the project's location satisfies applicable criteria pursuant to State Density Bonus Law, which authorizes the development to omit residential on-site parking. Due to its downtown location offering proximity to a range of popular destinations and ready access to transit, the project provides ample opportunities for means of transportation besides the motor vehicle and reasonably reduces the need for residential parking supply comparable to that of a similar project in an alternative location requiring greater reliance on auto travel. The project's proposed design conforms to applicable policy and legislation, balancing provision of appropriate parking capacity while avoiding an oversupply of parking which encourages driving.

***Bicycle Parking***

City of Santa Cruz Municipal Code Section 24.12.250 establishes requirements for bicycle parking and requires one Class I bicycle parking space per residential unit for any multifamily project with three (3) or more units and one Class II bicycle parking space for every four multifamily residential units; additionally, the Code requires "public or commercial recreation" to provide bicycle parking spaces at a number equivalent to 35% of the required auto parking capacity, with 20% of those Class I stalls and 80% Class II spaces.

The proposed project includes a total of 258 bicycle parking stalls strategically placed throughout the site, both as lockable storage within the building's interior, as well as along locations throughout the perimeter of the project. This project is required to have a total of 129 Class I bike parking spaces, 124 for residential use and 5 for commercial use. This project is required to have a total of 68 class II bike parking spaces, 31 for residential use and 37 for commercial use. Submitted plans provide 140 Class I bicycle parking stalls and 118 Class II bicycle parking stalls provided, far exceeding the minimum number of bicycle parking spaces per requirements of the City's Municipal Code. A Condition of Approval has been imposed, requiring submittal of details of proposed bicycle parking facilities, including identification of vendor and specification of dimensions and arrangement of interior layout with spacing for all bike parking proposed. The City's Bicycle Coordinator has additionally expressed interest in substituting publicly-available Bikelink bike lockers, with some that are accessible to cargo and electric bicycles ("e-bikes"), for the Class II bike parking provided in the parking garage.

***Traffic Impact Analysis***

A Transportation Impact Study (TIS) dated December 23, 2022, prepared by consultant Kimley Horn, provides an assessment of the potential impacts of the proposed project to traffic and circulation at the project site and neighboring area (Attachment 10). Pursuant to the City's Transportation Impact Study Guidelines, a TIS must be prepared for any proposed project with the potential to disrupt existing pedestrian, bicycle, or transit circulation; for any project likely to generate 50 or more net new vehicular trips during the afternoon/evening (PM) peak hour; and for any project in which the parking supply proposed is deficient of that required by the City's Municipal Code. Based on a review of the project scope of work, City staff determined early in project review the necessity for preparation of a TIS.

Evaluation of potential transportation-related impacts was based on the scope of the project originally submitted (i.e., a 38,086 square-foot library, a parking garage containing up to 400 spaces, 9,598 square feet of commercial uses, a 1,905 square feet childcare use), which has been reduced in size and would generate lower travel demand than originally proposed; therefore, the analysis can be considered a "worst-case scenario," with project impacts more significant than actually expected as a result of the project scope of work as currently proposed.
The analysis presented concludes the following:

- The proposed project is estimated to generate 2,144 new daily trips with 82 new trips occurring during the AM peak-hour and 269 new trips occurring during the PM peak-hour.
- The addition of the proposed project to existing conditions would not result in any study facilities operating below acceptable City Level-of-Service (LOS) thresholds for traffic congestion and delays.
- For Cumulative plus Proposed Project conditions predicted for year 2042, the addition of the proposed project would result in a LOS deficiency at the intersection of Front Street and Soquel Avenue; no feasible improvements are identified that would reduce congestion to a level deemed acceptable by the City.
- With the exception of the northbound right-turn movement at the intersection of Soquel Avenue and Front Street and both the eastbound right- and northbound left-turn movements at the intersection of Cathcart Street and Front Street, the project would cause no vehicular queue lengths to exceed available roadway storage capacity or increase queue lengths currently deficient without addition of the project.

Pursuant to Senate Bill 743 (SB743), enacted into law in 2018 and as implemented through revisions to the State's California Environmental Quality Act (CEQA) Guidelines, Vehicle Miles Traveled (VMT) has replaced Level of Service (LOS) as the metric used for assessment of potential environmental impact associated with transportation and vehicular traffic. The City's General Plan was adopted prior to 2018 and contains goals and policies referencing LOS. The project site is located in a "VMT Efficient Area" based on the "Santa Cruz County Residential Screening Map" and in a neighborhood that produces VMT per capita at least 15 percent below the countywide average. The proposed project would therefore not result in a significant impact under CEQA related to VMT based on the City's adopted threshold and would not produce any inconsistency with CEQA Guidelines Section 15064.3 associated with generation of VMT.

The Transportation Impact Study prepared demonstrates the occurrence of anticipated impacts of the project, inherent to any new development. The project would generate additional vehicular trips to the project site and surrounding neighborhood; however, as indicated in the conclusions of the analysis indicated above, appreciable impacts to the City's transportation system associated with additional vehicular trips would remain low, despite the scale of the project.

The location of the project site, less than a half-mile to existing bus stops and the *Santa Cruz Metro Center*, affords ready access to transit, encouraging use of public transportation. New frontage and sidewalk improvements required for the project through conditions of approval, including widening of existing sidewalks for a pedestrian-friendly environment; continuation of an existing on-street bicycle path; as well as inclusion of 248 bicycle parking spaces (in excess of Municipal Code requirements) and incorporating locked facilities, enhance opportunities for pedestrian and bicycle travel while reducing reliance on auto travel and minimizing potentially detrimental effects associated with generation of greenhouse gases and resultant implications for climate change, thereby advancing General Plan goals and policies fostering alternatives to transportation by private automobile and encouraging sustainable development. The project

would contribute to new supply in the Downtown Parking District, and this new supply would remain accessible to the public and not dedicated solely to project uses. Even with provision of additional parking, the Downtown Parking District would experience a net loss of parking capacity, and the project would therefore not encourage more driving through an oversupply of parking.

Reliance on Level of Service as a metric for traffic impacts remains allowable for fee-based programs, but has been superseded as a metric for transportation impacts for purposes of evaluation pursuant to the California Environmental Quality Act. General Plan 2030 strives to maintain established LOS D or better at signalized intersections (as stated in Mobility Policy M3.1.3). General Plan 2030 accepts a lower LOS and higher congestion at major regional intersections, if necessary, should improvements prove to be prohibitively costly or result in significant, unacceptable environmental impacts (Mobility Policy M3.1.4). LOS no longer serves as a metric for determining significance of transportation impacts under CEQA. The intersection LOS analysis of the submitted traffic study demonstrates that all study intersections would operate at acceptable LOS established in General Plan 2030 policies during both AM and PM peak hours under "existing plus project" conditions, and, thus, the project would not result in traffic levels which would conflict with City LOS policies. The downtown location of the project site provides for ready access to pedestrian and bicycle infrastructure and convenient access to desirable commercial and other destinations which assist in offsetting trips otherwise likely taken via auto, further reducing project VMT.

As identified in both the Environmental Checklist for Determination of CEQA Exemption and Class 32 Categorical Exemption Memo prepared, the project affords bicycle parking capacity in excess of City requirements (61 spaces), which could further reduce VMT by one percent. Studies have demonstrated that addition of affordable housing stock to infill sites generally improves jobs-housing match, which in turn, shortens commutes and reduces VMT. In locations with an existing jobs-housing match nearer optimal conditions, affordable housing, as integrated in the proposed project, generates less VMT than comparable market-rate housing.

Aside from minor impacts related to Level of Service, which no longer serves as a legally defensible metric for measurement of environmental impact related to transportation, no other significant transportation-related effects resulting from the proposed project were identified in the CEQA analysis, including conflicts with transportation policies.

***Off-Site Improvements***

Based on a review of the proposed project by City staff, it has been determined that various off-site improvements are necessary. Continuation of a 6-foot-wide westbound bicycle lane and installation of a new light standard compliant with City standard specifications and including light-emitting diode (LED) illumination at the site's Cedar Street frontage, adjacent to the southeast corner, has been deemed required by the Public Works Department and demonstrates consistency with the City's Downtown Plan. Additionally, upgrade of the storm drainage inlets surrounding the project site to Type B catch basins per City standard details, and construction of new sidewalks offering improved pedestrian circulation per design standards of the City's Downtown Plan, are prompted by the project proposal. Installation of broader sidewalks, of 10-12 feet in width, along all frontages will afford greater pedestrian access and foster travel by means other than the private automobile, advancing goals of the Downtown Plan and General Plan. Conditions of approval have been added to require said improvements to rights-of-way neighboring the project site.

***Zoning and General Plan Consistency***

The project site occurs on land contained in the CBD (Central Business District) zone district, the majority within the Cedar Street Village Corridor subarea, and has a General Plan land use designation of RVC (Regional Visitor Commercial). Section 24.10.2300 of the City's Zoning Code states the following in reference to the purpose of the Downtown Plan in implementing the City's aspirations for the Central Business District:

> *"This part implements the Land Use Plan, Development Standards and Design Guidelines of the Downtown Plan (Plan), a specific plan. It is intended to refine the Plan in the area of land use and regulations. It supports the purpose of the Plan, in the context of the General Plan, which aims to maintain downtown the urban center of the city, with the many functions a city center serves. This chapter of the Zoning Ordinance is also part of the Local Coastal Implementation Plan."*

The Downtown Plan additionally establishes a vision for the City's downtown core as embodied in the First Principles originally introduced in the Downtown Plan in 1991 and refined in the years thereafter. Excerpts of the Vision that are implemented by the proposed project appear below:

> *"Vibrant, vital and active, the central business district constitutes the primary retail, commercial, professional and employment center for the City of Santa Cruz. This compact, high-density area is home to unique businesses, offering residents and visitors a diverse and wholesome environment for commercial, cultural, civic and social pursuits. Local, regional and national businesses combine in a potent blend, making the downtown a major destination for the entire region."*
>
> *"A range of housing types is integrated into the downtown. This urban-density housing provides both market-rate and affordable units, and expands the immediate market for downtown goods, services and public transportation. The economic and social vitality of the downtown has a positive effect on the surrounding areas and the entire community."*

The project site occurs on land with the Cedar Street Village Corridor subarea of the Downtown Plan, and is consistent with the characterization as follows:

> *"The Cedar Street Corridor is immediately west of the Pacific Avenue Retail District. The area provides an appropriate transition in scale and use between the downtown and the adjacent residential neighborhoods and the civic center. In contrast to Front Street, which plays a destinational retail role, Cedar Street serves as a more local-serving street with a mixture of professional offices, support and convenience retail, and restaurant uses. Unlike Pacific Avenue, which developed in a relatively consistent manner with a strong "street wall" of buildings, Cedar Street is more diverse in nature, with a mixture of one and two-story structures of varied setbacks. Many of the buildings are wood frame structures with a strong residential character."*

The proposed project is consistent with purpose of the General Plan Land Use designation of RVC (Regional Visitor Commercial), described in the General Plan as below:

> *"Regional Visitor Commercial (RVC), 0.25 to 3.5 FAR. Applies to areas that emphasize a variety of commercial uses that serve Santa Cruz residents as well as visitors. Mixed-use development is strongly encouraged in RVC districts. Areas designated RVC include:*
>
> > *• Downtown Santa Cruz, 0.25 to 5.0 FAR. Emphasizes a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as*

*entertainment venues. The Downtown Recovery Plan provides detailed requirements for this area."*

With an FAR of 4.60, the proposed project design conforms to the maximum allowable FAR of 5.0 as specified in the General Plan for development in the City's downtown.

The proposed project conforms to, and fosters the attainment of, many goals and policies of the General Plan, including the following:

Goal LU3 A complementary balance of diverse land uses

- Land Use Development Policy LU3.1: Foster land use patterns that balance economic, housing, community, and environmental needs, and promote social diversity.
- Land Use Development Policy LU3.3: Develop, maintain, and encourage economically viable neighborhood-serving commercial districts. Cf. LU4.2.4 and ED5.2.
- Land Use Development Policy LU3.4 - In neighborhoods near visitor areas, give priority to uses that serve both visitors and residents.
- Land Use Development Policy LU3.7 - Encourage higher-intensity residential uses and maximum densities in accordance with the General Plan Land Use designations.
- Land Use Development Policy LU3.8 - Allow the following residential uses to exceed the maximum densities in this chapter
- Land Use Development Policy LU4.2 Encourage land use changes that reduce the need for autos.

Goal M1 Land use patterns, street design, parking, and access solutions that facilitate multiple transportation alternatives

- Mobility Development Policy M1.1 - Reduce automobile dependence by encouraging appropriate neighborhood and activity center development.
- Mobility Development Policy M1.3 - Create pedestrian-friendly frontage and streetscapes and attractive pedestrian-oriented areas.
- M4.2 Provide and maintain a complete, interconnected, safe, inviting, and efficient citywide bicycle network
- M4.4 Assure a high level of bicycle user amenities. Cf. PR1.6.4. M4.4.1 Maintain Zoning Ordinance and parking district requirements that require secure, covered bicycle parking and/or storage lockers at private and public facilities.
- M4.4.3 Increase the supply of bicycle parking throughout the city.

Goal ED1 A vibrant regional economic center

- Economic Development Policy ED1.1 Promote Santa Cruz as the principal retail, cultural, recreational, restaurant, entertainment, and commercial destination in the region.
- Economic Development Policy 5.2 - Provide for residents' daily shopping needs in local-serving neighborhood commercial centers.

Goal CC 8 Excellent educational opportunities and resources

- CC8.5 Provide free and equal access to City libraries.
- CC8.6 Strive for library collections that meet community needs.
- CC8.7 Expand the communication and information network in the
- City's libraries and optimize its quality.
- CC10.1 Encourage an adequate and diverse supply of childcare facilities

- and services citywide.
- CC10.2 Encourage development of accessible, affordable, and quality childcare facilities near public transportation, employment centers, and in the Downtown.

Goal NRC5 An enhanced and sustainable urban forest

- NRC5.1 Protect and manage tree resources in the urban environment, with emphasis on significant and heritage trees.

Removal of multiple trees will be necessary as part of the project; however, standard tree replacement measures will be incorporated, as included in the conditions of approval.

Goal H1: Encourage an adequate diversity in housing types and affordability levels to accommodate present and future housing needs of Santa Cruz residents.

- Policy 1.1 Provide adequate sites and supporting infrastructure to accommodate housing through land use, zoning, and specific plan designations that encourage a broad range of housing opportunities.
- Policy 1.2 Concentrate new housing in the Central Core, along major commercial corridors, and on major opportunity sites consistent with the Land Use Element.
- Policy 1.3 Facilitate the production of mixed residential-commercial uses through the use of appropriate development standards, design and compatibility review, and regulatory and financial incentives.
- Policy 1.4 Establish and maintain residential development standards that support housing production yet promote the vitality of established neighborhoods.

Goal H2: Increase and protect the supply of housing affordable to extremely low, very low, low, and moderate income households.

- Policy 2.2 Facilitate the development of affordable housing through the provision of regulatory concessions, financial incentives and assistance, density bonuses, and other means.
- Policy 2.5 Promote meaningful and informed participation of residents, community groups, and governmental agencies in local housing and community development activities.

Goal H4: Provide increased opportunities for low and moderate income residents to rent or purchase homes.

Goal H5: Improve housing and neighborhoods throughout Santa Cruz and in designated target areas.

- Policy 5.3 Ensure that the character and design of both infill development and remodel/rehabilitation projects promote the vitality of existing neighborhoods.
- Policy 5.4 Promote the overall vitality and livability of neighborhoods by providing adequate public services, community facilities, infrastructure, landscaping and open space, adequate parking, traffic management, pedestrian and bicycle routes, and public safety to meet the needs of each individual neighborhood, as well as by preventing and eliminating blighting conditions

Goal H6: Strive to fulfill the city's housing needs while promoting an environmentally sustainable, compact community with clearly defined urban boundaries.

Policy 6.1 Ensure a compatible relationship between new housing and circulation patterns and encourage pedestrian and bicycle friendly communities in order to minimize traffic impacts on quality of life.

- Policy 6.7 Promote transit-oriented, mixed-use residential developments that are close to services, reduce dependence on automobile use, and are of high quality

As a mixed-used development encompassing a new public library; commercial tenant space; childcare facility; approximately 243-space structured parking; and residential complex incorporating 124, 100% affordable residences, including studio-, one-, two- and three-bedroom residential units, situated in the City's urban core, the proposed project demonstrates consistency with the stated purpose of the CBD zone district, Cedar Street Village Corridor subarea and General Plan land use designations. The proposed project would further accommodate a unit density in conformance with the provisions of State Density Bonus Law, as described further below.

***State Density Bonus Law and Inclusionary Housing***

To address California's need for affordable housing, the State of California adopted its Density Bonus Law (Government Code Sections 65915 to 65918) in 1979 to encourage the provision of subsidized dwelling units by offering to developers a combination of benefits and incentives. For projects that include the requisite number of affordable housing units, and, upon the request of an applicant, local jurisdictions are mandated by State Density Bonus Law to: 1) allow more market-rate units than otherwise accommodated by the applicable zoning designation, offsetting costs associated with construction of affordable units; 2) approve "incentives or concessions," such as relaxed development standards, resulting in "actual and identifiable cost reductions" for the project; 3) authorize "waivers or modifications" from development standards, should adherence to such standards otherwise have the effect of physically precluding development at the level allowable under the Density Bonus Law; and 4) grant reduced parking requirements.

The project site is primarily located within the Cedar Street Village subarea regulated by the City's Downtown Plan, which limits heights of structures to 50 feet and four stories maximum.

State Density Bonus law allows for any residential project located within a half-mile of a major transit stop to request exemptions from maximum density controls and be provided a height increase of up to three (3) stories or thirty-three (33) feet above the standard maximum threshold allowable by the Municipal Code. A qualifying project may additionally receive four (4) incentives or concessions and is not required to include vehicular parking for residential units.

The applicant has submitted a base density plan (Attachment 3), which demonstrates that 72 residential units can be accommodated within the three-dimensional building envelope representing a fully-conforming project adhering to all applicable standard regulations. The base density plan incorporates a library, commercial tenant space, and childcare component, along with parking facility, as specified by City Council directives for the project. The submitted base density plans incorporate below-ground parking, intended to accommodate parking capacity per project objectives while minimizing the height of the building for conformance to the maximum standard building height of 50 feet as specified in the Downtown Plan. The base density plans result in a Floor Area Ratio (FAR) of 3.86, in compliance with the General Plan limitation of 5.0 for sites within the Downtown Plan area and with a land use designation of Regional Visitor Commercial (RVC), as in the case of the proposed project.

The proposed project would measure 84 feet in height and include five stories of residential apartments above a three-story parking garage. Because the residential units are located above a three-story parking garage, the building cannot invoke the provision of Density Bonus law that allows for three additional stories or 33 feet in height for residential projects by-right.

A variation from the Downtown Plan's standard height limitation of 50' has been requested for the proposed project. While it is more common for a variation to development standards to be requested as either a waiver or an incentive/concession, the proposed variation to exceed height is justified by both cost-prohibitive improvements and physical construction limitations of the 100% affordable housing project. Therefore, the requested variation has been proposed as both an incentive/concession and waiver, as described below.

The base density plans incorporate two stories of underground parking, positioned below the portion of the building including the library, commercial tenant space, childcare facility, and residential units. However, due to the elevated costs associated with two stories of subterranean construction, underground parking is not a feasible option for the project. When the parking is placed at surface level, the parking structure's height of approximately 33 feet would remain less than 35 feet as identified in the Downtown Plan for parking garages. *However, the overall building height including the 100% affordable residential units, would exceed the 50' maximum height identified in the Downtown Plan, thereby necessitating the request for variation to building height as an incentive/concession*. Provision of parking constitutes a core objective of the proposed project as directed by the City Council. The project incorporates public parking necessary to offset deficits in available downtown parking capacity resulting from approved and anticipated future development projects, and to replace the existing public parking on the project site. Financial documentation submitted by the applicant details the heightened expenditures associated with pursuit of subterranean parking (compared with placement of structured parking at surface level), including additional costs related to design, structural reinforcement, ventilation, waterproofing, and construction.

The easterly component of the proposed project incorporates residential units situated above the public parking. Placement of parking above grade as requested above due to identifiable and actual cost reductions to the project in turn elevates the height of the residential portion of the project to 84 feet, beyond the maximum height threshold of 50 feet identified in the City's Downtown Plan. *The applicant has requested approval of a density bonus waiver to allow for the additional height*. Due to the project's affordability levels and location within a half-mile of a major transit stop, the project remains exempt from maximum density controls. With 124 residential units proposed, the project exhibits an FAR of 4.60, under the maximum FAR threshold of 5.0 allowable by the General plan for sites on land contained with the General Plan designation of RVC on land within the City's Downtown Plan area. Without the requested waiver, the proposed development would be physically precluded from development of the number of residential units allowable for consistency with State Law and the City's General Plan in which residential density is indirectly regulated by FAR.

Compliance with the standard maximum height of 50 feet as specified in the Downtown Plan would require a reduction in the number of stories of the building, and consequently eliminate a significant number of housing units from the project scope and would further have the effect of physically precluding construction of the number of residential units allowed under State Density Bonus Law. Situated on a compact site located within a half-mile of a major transit stop, with all residential units affordable to low- and very-low-income residents, the height of the housing/parking component of the project may be considered as proposed through request for additional height, beyond the 50' threshold as specified in the Downtown Plan, through an incentive/concession due to the excessive cost of placement of parking below ground level and a waiver for exceedance of the 50' height threshold then prompted due to the housing component's position above the parking facility and to accommodate the number of residential units allowable.

Pursuant to California Government Code Section 65915(e), local jurisdictions hold very little discretion to deny any requested waiver, if such denial would preclude development at the density allowable pursuant to State Density Bonus Law, unless grant of any requested waiver would result in a violation of state or federal law, create a specific adverse impact on health and safety or the physical environment that cannot be mitigated, or adversely impact real property listed on the California Register of Historical Resources.

With regard to the proposed project, failure to grant the variation from maximum height threshold requested would render the project financially infeasible and physically preclude construction of the project accommodating the number of residential units allowed under Density Bonus Law, and the applicant has submitted sufficient information to support these conclusions. The City's Municipal Code, Section 24.16.020, requires that housing developments that would create five or more new residential dwelling units provide twenty percent (20%) of the dwelling units as inclusionary units, which shall be made available for lease to low-income households at an affordable rent. Inclusionary units are restricted in perpetuity to households earning eighty percent (80%) or less of the Area Median Income (AMI). The proposed project provides one hundred percent of the residential units as affordable units, exclusive of a manager's unit.

As with all multi-family property in the State, this proposal is entitled to create Accessory Dwelling Units (ADUs) in addition to the units proposed, reviewed as a ministerial action. Up to 25% of the total number of units (for this project, a total of 31) can potentially be created by converting non-livable space, and up to two New Construction ADUs can also potentially be built, either attached to, or detached from, the proposed structure.

***Floodplain Overlay District***

The southwestern corner of the project site is included in the City's Floodplain Overlay, within the A99 FEMA Flood Hazard area. The A99 Flood Hazard Area was designated by FEMA in 2002 as an area having additional flood protection due to the construction of the San Lorenzo River levee. Per Section 24.14.500 of the Zoning Ordinance, no standards for construction apply within the A99 flood zone area and the project will not adversely impact the carrying capacity of the San Lorenzo River or alter the natural watercourse of the river. The applicant has provided a written acknowledgement of potential flood hazards associated with the project.

***Architecture and Design/Design Permit***

The proposed project requires approval of a Design Permit per Code Section 24.08.410 for "multiple dwellings and dwelling groups containing three or more dwelling units," with the purpose of the Design Permit to promote high quality of project design consistent with the standards for aesthetics typifying the Santa Cruz community.

At the easterly half of the site, the five-story residential component rises above the parking garage of board-formed concrete base and three-toned integral stucco with metal trim exterior. The structure incorporates offset planes formed by strategically-placed projections and curved recesses featuring a three-tone stucco exterior punctuated by a regular arrangement of windows of alternating sash lending a balance of regularity and variety. Set back significantly from Cedar Street and physically separated from the library, commercial tenant space, and childcare components, the placement of the residential component affords privacy to residents while facilitating ready access to services of the library, childcare, and commercial space. The building includes a rooftop staircase tower element and elevator penthouse imparting variation in building form. Stepped-back facades accented with trim caps break up the buildings' mass and provide an element for horizontal emphasis. A color scheme of muted orange, beige, and gray applied to exterior wall surfaces

of the housing element create subtle contrast to the neutral earth-tone color palette dominating the building's first three levels, ensuring internal aesthetic consistency while ensuring visual harmony with the appearance of the existing site and surrounding land uses. The residential building furnishes a parapet height of seven feet for screening of rooftop mechanical equipment to avoid unsightly views and reinforce the high quality of project design.

Consistent with the design standards of the Cedar Street Village Corridor, the building provides ground-level treatment integrating primary entrances accessible from Cedar Street, accentuating the building's point of entry; effects transparency at ground level to afford visibility to the budling's interior, thereby creating a sense of activity and vitality; integrates signage into building facades; and incorporates ample glazing.

Per provisions of the Downtown Plan, the parking structure façade serves as a compatible visual extension to the first three levels of the library building and avoids placement of any sloping-floor elevation adjacent to public streets. Located at the rear of the building, the parking facility has been set back from ground-floor commercial uses. As directed in the design criteria of the Cedar Street Village Corridor, although the lower levels of the library façade exhibit long, continuous strips of glazing, use of frit patterns and a regular gridded network avoid a monotonous presentation, and openings have been thoughtfully integrated within the garage and residential building walls to appear as well-proportioned windows, rather than continuous strips; variation in the dimension and proportion of openings and in the horizontal and vertical planes of the facade have been integrated to create visual interest and to reduce the mass of the parking structure. Decorative screen and trellis elements of durable, high-quality materials are also utilized to provide variation and interest on the façade, while special attention has been paid to minimize the prominence of the parking structure, including placement adjacent to a rear service lane. As promoted by the Downtown Plan, the proposed parking structure would play an important role in providing parking facilities for surrounding land situated along Pacific Avenue and to surrounding downtown destinations.

An integrated rooftop trellis structure and planters grant variation in texture, detail, and functionality, while entries and stairwells within parking structures have been located adjacent to public streets and designed to be visually open, to promote feelings of security and comfort. By demonstrating consistency with the elements stipulated in the Cedar Street Corridor design criteria, the proposed project preserves and enhances the informal "village" qualities of the Cedar Street Village Corridor, advances the vision of the City's Downtown Plan, and affords a visually-interesting and durable structure which fulfills the directives of the City Council while enhancing the aesthetic environment and integrating a multi-use facility in the City's downtown urban core.

***Health in all Policies (HiAP)***

HiAP is a collaborative approach to improving the health of all people by incorporating health considerations into decision-making across sectors and policy areas. HiAP is based on 3 pillars: equity, public health, and sustainability. The goal of HiAP is to ensure that all decision-makers are informed about the health, equity, and sustainability impacts of various policy options during the policy development process. The project supports the pillar of equity by providing a destination public facility, childcare, commercial facility, and affordable residential rental units on a site in the City's downtown urban core, in an area that is improved with sidewalks and street trees and that is in close proximity to public transportation, commercial goods and services, and recreational areas. The development of such land uses in this central location encourages a sustainable and healthy lifestyle by promoting alternative forms of transportation. Therefore, the project is considered to be consistent with the three pillars of the HiAP and is recommended as an efficient use of the land.

***Geotechnical Report***

A geotechnical evaluation dated June 2, 2022, prepared by *Cornerstone Earth Group*, indicates that the construction of the proposed project, supported by shallow foundations overlying ground improvement to mitigate the potential for liquefaction-induced settlement and lateral spreading, remains feasible from a geotechnical standpoint, provided that the final project design additionally addresses the concerns raised in the report. As described, ground improvement can mitigate settlement to tolerable levels, subject to appropriate techniques as designed by a qualified contractor. The geotechnical investigation has been provided to Building Division staff for review and Building Division staff has expressed no concern related to the analysis.

***Cultural Resources (Archaeological) Evaluation***

The applicant has submitted an archaeological evaluation, prepared by consultant *Albion Environmental*, Inc., dated March 2022. The archaeological evaluation includes a records search of the California Historical Resource Information System (CHRIS) at the Northwest Information Center, Sonoma State University. The records search revealed that no archaeological resources have been previously identified within the project area, although ten resources have been recorded within a ¼-mile radius of the subject site. Based on observations made during on-site investigation, the archaeological consultant recommended preparation of an Extended Phase I evaluation to locate subsurface resources as they may occur on-site.

Archaeological reconnaissance was then conducted by consultant *Dudek, Inc*. based on the recommendations of the report prepared by *Albion*, with findings presented in a report dated November 2022. Testing produced positive results for historical period archaeological resources in four disparate trench locations distributed throughout the project site. Excavation work produced domestic artifacts strongly associated with the mid- to late- nineteenth century land uses in place along Lincoln and Cedar streets during that period. Due to the small sample of the Extended Phase I investigation conducted, *Dudek* recommended that a more extensive Phase II archaeological evaluation be conducted to broaden and intensify the geographic coverage of the investigation to complete a formal evaluation of found resources within the Project area for California Register of Historical Resources (CRHR) eligibility under CEQA.

A Phase II archaeological site investigation conducted by consultant *Dudek, Inc.* was subsequently prepared and submitted. The report, dated January 2023, presents the results of mechanical subsurface archaeological testing performed at eight locations in which the potential for subsurface historical period resources had been revealed in the preliminary Phase I archaeological report and Extended Phase I investigation. The results of collection and analysis of artifacts derived from 12 exploratory trenches indicated that much of the project area contains a deposit of scattered historical period artifacts associated with the mid- to late nineteenth century and early twentieth century. Analysis indicates the resource is a secondary deposit of low integrity and therefore not significant.

In total, results of on-site archaeological surveys, including ground and subsurface assessments, identified no cultural resources at the subject site which would render the project site or its contents of significance or requiring projection under CEQA. Standard conditions of approval are included that require compliance with Section 24.12.430(5) of the Zoning Ordinance regarding the discovery of artifacts during construction.

***Historic Evaluation***

An historic evaluation (DPR 523) dated March 14, 2022, has been prepared by City-approved historian Seth Bergstein of *PAST Consultants, LLC*, concluding that the property located at 113 Lincoln Street

remains unlisted on the California Register of Historic Resources, the National Register of Historic Places, or the City of Santa Cruz Historic Building Survey, and appears ineligible for listing on any of the registers. As described in the historic evaluation, the commercial building at 113 Lincoln Street has been altered considerably since the time of its construction, with remodel of the storefront and removal of the building's original entrance undertaken in 1980, and a rear addition constructed in 1986. As substantiated by the report, the subject building no longer exhibits sufficient integrity of setting, design, materials, workmanship feeling, or association for it to qualify for inclusion in the National Register of Historic Places or the California Register of Historical Resources. The subject property containing the commercial building at 113 Lincoln Street is further determined ineligible for the Santa Cruz Historic Resources Inventory, as the building fails to satisfy City preservation criteria and experienced substantial alterations since the time of its original construction. The proposed redevelopment project requires no mitigation for impact to historic resources pursuant to the provisions of the California Environmental Quality Act (CEQA - Section 15064.5), as the subject property addressed 113 Lincoln Street, including its existing structure, has been demonstrated to lack historic significance. As the property at 119 Lincoln Street contains no structure, the above finding remains inapplicable to that parcel.

***Acoustic Analysis***

An acoustic (noise) impact analysis report dated January 23, 2023, was prepared by consultant *Salter, Inc*. to evaluate the project's potential for generation of unwanted sound and likelihood for compliance of the proposed project with standards of the City's General Plan and Chapter 4.13 of the Municipal Code and for impacts related to environmental concerns as specified by CEQA.

The acoustic evaluation concludes the following:

- Increased volumes of vehicular traffic generated by the proposed project are not predicted to significantly increase volumes of environmental noise to surrounding properties.
- Impacts generated by construction and mechanical equipment will either have no impact or can be designed to be reduced to result in volumes below thresholds of significance for compliance with CEQA standards.

Conditions of approval for compliance with noise standards have been incorporated in the project's conditions of approval.

***Phase I, II Environmental Site Assessment***

As part of due diligence conducted prior to proposed development of the subject site, a Phase I/II Environmental Site Assessment (ESA) dated September 22, 2022, prepared by *Weber, Hayes & Associates*, provides evaluation of existing environmental site conditions and an assessment of impacts related to the proposed project. An initial site investigation, (Phase I Environmental Site assessment) identified no recognized environmental conditions of concern but revealed the locations of two historic dry cleaners, now defunct, near the project site. Accordingly, for purposes of due diligence, the consultant conducted a limited Phase II ESA, including collection of subsurface samples for further analysis.

The Phase II subsurface site investigation included:

- Installation and sampling of nine (9) temporary soil vapor wells;
- Advancement of nine (9) shallow soil borings for the collection of soil samples for soil waste characterization associated with the development; and

- Advancement of five (5) hydropunch groundwater borings for the collection of grab groundwater samples.

The Phase II ESA detected the presence of arsenic, barium, and lead in collected soil samples at concentrations exceeding applicable screening levels. Additionally, testing detected the presence of additional contaminants, including tetrachloroethylene (PCE), trichloroethene (TCE), total petroleum hydrocarbons as gas (TPHg), benzene, 1,2-dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) in soil vapor samples at concentrations exceeding applicable screening levels.

A letter dated November 16, 2022, was received from the County of Santa Cruz Department of Environmental Health and Safety (ESH) in review of the submitted Phase I/II ESA. The letter from County ESH staff relayed general concurrence with the findings of the Phase I/II ESA and provided comments, with the following anticipated:

- requirement for additional, seasonal soil vapor sampling;
- placement of vapor intrusion devices designed for protection of sensitive receptors related to proposed ground-floor commercial childcare use as necessary for compliance with State requirements, dependent on concentrations of additional soil vapor samples;
- likely requirement for installation of trench dams in all subsurface utilities;
- testing of shallow soils, including from soil beneath the existing building following its demolition, should the proposed project receive entitlements, as a means of delineating the extent of shallow soil contamination;
- preparation of a remedial soil excavation plan of site soils, including removal and remediation of contaminated soils, regardless of final project construction;
- and completion and submittal of a soil management plan related to development earthwork activities involving encounter with contaminated soils, including a fugitive dust risk assessment for identification of risks associated with exposure to dust during remedial excavation activities to affect construction workers and off-site receptors.

A Condition of Approval has been added, requiring that all recommendations of the County of Santa Cruz Department of Environmental Health and Safety be applied, should the proposed project be approved by the City Council.

## ENVIRONMENTAL REVIEW

The proposed project requires approval of a Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, Lot-Line Adjustment, and Heritage Tree Removal Permit. All such entitlements represent discretionary actions, and the proposed redevelopment qualifies as a "project" under CEQA.

In analyzing a proposed project, the City may consider whether existing environmental documents contain an adequate analysis of potential environmental impacts associated with a proposed project. An earlier analysis may be used when, pursuant to tiering, a program EIR, or other California Environmental Quality Act (CEQA) provisions, it can be determined that one or more effects have been adequately analyzed in an earlier EIR or negative declaration (State CEQA Guidelines section 15063(c)(3)(D)). If a previous analysis is used, an evaluation of the potential environmental impacts of the proposed project may conducted through preparation of an Initial Study checklist that identifies: a) the earlier analyses and states where they are available for review; b) which effects were adequately analyzed in an earlier document pursuant to applicable legal standards, and states whether such effects were addressed by mitigation measures based on the earlier analysis; and c) the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

CEQA also allows a lead agency to avoid repeating analyses that were already provided in a certified General Plan EIR for a development project that is consistent with the General Plan. Public Resources Code section 21083.3 and its parallel CEQA Guidelines provision, section 15183, provide for streamlined environmental review for projects consistent with the General Plan for which an EIR was certified. Section 15183, subdivision (b), states that, if a project is consistent with an agency's General Plan for which an EIR has been certified, the agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:

> (1) Are peculiar to the project or the parcel on which the project would be located;
> (2) Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent;
> (3) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan, or zoning action; or
> (4) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR. (State CEQA Guidelines section 15183(b).)

An Environmental Impact Report was prepared for the City's most recently-adopted General Plan, General Plan 2030; and a separate EIR was completed for the Downtown Plan. Any project within City limits falls under the purview of the City's General Plan, and, due to the location of the subject site, the project is additionally regulated by the Downtown Plan. The DLAHP provides for consistency with both documents and, therefore, qualifies for streamlined environmental review as allowed by Public Resources Code 21083.3.

An Environmental Checklist for Determination of CEQA Exemption has been prepared for the project by the City's environmental consultant, *Dudek*, in accordance with the procedures directed in CEQA (Attachment 5). The memorandum states that the City's General Plan 2030 EIR has adequately addressed the potential environmental effects for all required categories of impacts, and the project necessitates no further environmental review pursuant to Public Resources Code section 21083.3 for likely consequences of the project related to aesthetics; agricultural and forest resources; air quality; biological resources; cultural resources; energy; greenhouse gas emissions; hazards/hazardous materials; hydrology/water quality; land use; mineral resources; noise and vibration; population and housing; public services; recreation; transportation; utilities; and wildfire. Through the evaluation, site-specific impacts have been analyzed and determined to be less than significant due to substantial mitigation resulting from General Plan policies, zoning regulations and/or development standards that are uniformly applied to development projects throughout the City for all categories of impacts. Thus, pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183, no further environmental analysis is required under CEQA. As detailed in the prepared evaluation, the project qualifies for the Statutory Exemption found in CEQA Guidelines Section 21083.3, and a Notice of Exemption is provided in Exhibit B of this report.

## SUMMARY

The proposed project is consistent with the development requirements of the CBD Zone District and Downtown Plan and complies with eligibility requirements for State Density Bonus Law, which provides incentives such as allowance for additional building height and elimination of on-site parking requirements for residential uses. Through the State Density Bonus Law, the proposed project exceeds codified height limits but is situated in the City's downtown urban core a block from Pacific Avenue; surrounded by existing commercial, mixed-use, and residential development and quasi-public and public facilities; and, with its multi-tiered architecture, would provide a natural transition in intensity and form leading from the three-story library, commercial, and childcare building to the taller combined parking garage adjacent to

the Cedar Street to the residential component nearer intense development of Pacific Avenue. The subject site is located within a developed, urbanized area supported by existing transit service. The development conforms to the existing site topography and will enrich the subject lot and surrounding neighborhood through removal of an underutilized City surface parking facility and commercial building of substandard development intensity, replacing it with a destination faciality offering enhanced opportunities for literacy, job enrichment and training, scholarship, and community gathering; high-density housing project offering new amenities and support services to residents qualifying for affordable housing; care for young residents of the City; as well as active commercial space for gathering and designed for a range of land uses. The site lies south of Soquel Avenue and west of Pacific Avenue, approximately 0.1 mile west of the San Lorenzo River and 0.75 mile north of the Pacific Ocean, providing compatibility with, and continuity to, the existing street network, neighboring architecture, and surrounding landforms in the immediate vicinity of the subject site and downtown at large.

Through establishment of a flagship downtown library facility providing a broad range of valuable community services; childcare facility in heavy demand; commercial tenant space designed for a broad range of uses, with flexible interior layout accommodating varied programming through the life of the building; and enhanced stock of affordable residences providing residential opportunities to a vulnerable segment of the City's population, while merging an existing underutilized parcel to its contiguous lot, the proposed project will have the effect of advancing the achievement of General Plan goals and policies and ensuring compliance with Municipal Code standards while fostering a more significant, substantive development with an attractive, functional design accommodating a range of uses. It is recommended that the Planning Commission recommend to the City Council acknowledgement of the environmental determination and approval of the Nonresidential Demolition Authorization Permit, Use Permit, Design Permit, and Lot-Line Adjustment, based on the Findings listed below and the attached Conditions of Approval.

## FINDINGS

### Special Use Permit, Section 24.08.050

1. **The proposed structure or use conforms to the requirements and the intent of this title, and of the General Plan, relevant area plans, and the Coastal Land Use Plan, where appropriate;**

   The subject parcel has a General Plan land use designation of Regional Visitor Commercial (RVC). The General Plan states

   > "Regional Visitor Commercial (RVC), 0.25 to 3.5 FAR. Applies to areas that emphasize a variety of commercial uses that serve Santa Cruz residents as well as visitors. Mixed-use development is strongly encouraged in RVC districts. Areas designated RVC include:
   >
   > • Downtown Santa Cruz, 0.25 to 5.0 FAR. Emphasizes a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as entertainment venues. The Downtown Recovery Plan provides detailed requirements for this area.

The proposed project is consistent with the policies of the General Plan, including the following:

Goal LU3 A complementary balance of diverse land uses

- Land Use Development Policy LU3.1: Foster land use patterns that balance economic, housing, community, and environmental needs, and promote social diversity.

- Land Use Development Policy LU3.3: Develop, maintain, and encourage economically viable neighborhood-serving commercial districts. Cf. LU4.2.4 and ED5.2.
- Land Use Development Policy LU3.4 - In neighborhoods near visitor areas, give priority to uses that serve both visitors and residents.
- Land Use Development Policy LU3.7 - Encourage higher-intensity residential uses and maximum densities in accordance with the General Plan Land Use designations.
- Land Use Development Policy LU4.2 Encourage land use changes that reduce the need for autos.

Goal M1 Land use patterns, street design, parking, and access solutions that facilitate multiple transportation alternatives

- Mobility Development Policy M1.1 - Reduce automobile dependence by encouraging appropriate neighborhood and activity center development.
- Mobility Development Policy M1.3 - Create pedestrian-friendly frontage and streetscapes and attractive pedestrian-oriented areas.
- M4.2 Provide and maintain a complete, interconnected, safe, inviting, and efficient citywide bicycle network.
- M4.4 Assure a high level of bicycle user amenities. Cf. PR1.6.4.
- M4.4.1 Maintain Zoning Ordinance and parking district requirements that require secure, covered bicycle parking and/or storage lockers at private and public facilities.
- M4.4.3 Increase the supply of bicycle parking throughout the city.

Goal ED1 A vibrant regional economic center

- Economic Development Policy ED1.1 Promote Santa Cruz as the principal retail, cultural, recreational, restaurant, entertainment, and commercial destination in the region.
- Economic Development Policy 5.2 - Provide for residents' daily shopping needs in local-serving neighborhood commercial centers.

Goal CC 8 Excellent educational opportunities and resources

- CC8.5 Provide free and equal access to City libraries.
- CC8.6 Strive for library collections that meet community needs.
- CC8.7 Expand the communication and information network in the City's libraries and optimize its quality.
- CC10.1 Encourage an adequate and diverse supply of childcare facilities and services citywide.
- CC10.2 Encourage development of accessible, affordable, and quality childcare facilities near public transportation, employment centers, and in the Downtown. PR1.6 Ensure that parks and recreation facilities are accessible to all

Goal NRC5 An enhanced and sustainable urban forest

- NRC5.1 Protect and manage tree resources in the urban environment, with emphasis on significant and heritage trees.

Removal of multiple trees will be necessary as part of the project; however, standard tree replacement measures will be incorporated, as included in the conditions of approval.

Goal H1: Encourage an adequate diversity in housing types and affordability levels to accommodate present and future housing needs of Santa Cruz residents.

- Policy 1.1 Provide adequate sites and supporting infrastructure to accommodate housing through land use, zoning, and specific plan designations that encourage a broad range of housing opportunities.
- Policy 1.2 Concentrate new housing in the Central Core, along major commercial corridors, and on major opportunity sites consistent with the Land Use Element.
- Policy 1.3 Facilitate the production of mixed residential-commercial uses through the use of appropriate development standards, design and compatibility review, and regulatory and financial incentives.
- Policy 1.4 Establish and maintain residential development standards that support housing production yet promote the vitality of established neighborhoods.

Goal H2: Increase and protect the supply of housing affordable to extremely low, very low, low, and moderate income households.

- Policy 2.2 Facilitate the development of affordable housing through the provision of regulatory concessions, financial incentives and assistance, density bonuses, and other means.
- Policy 2.5 Promote meaningful and informed participation of residents, community groups, and governmental agencies in local housing and community development activities.

Goal H4: Provide increased opportunities for low and moderate income residents to rent or purchase homes.

Goal H5: Improve housing and neighborhoods throughout Santa Cruz and in designated target areas.

- Policy 5.3 Ensure that the character and design of both infill development and remodel/rehabilitation projects promote the vitality of existing neighborhoods.
- Policy 5.4 Promote the overall vitality and livability of neighborhoods by providing adequate public services, community facilities, infrastructure, landscaping and open space, adequate parking, traffic management, pedestrian and bicycle routes, and public safety to meet the needs of each individual neighborhood, as well as by preventing and eliminating blighting conditions.

Goal H6: Strive to fulfill the city's housing needs while promoting an environmentally sustainable, compact community with clearly defined urban boundaries.

Policy 6.1 Ensure a compatible relationship between new housing and circulation patterns and encourage pedestrian and bicycle friendly communities in order to minimize traffic impacts on quality of life.

- Policy 6.7 Promote transit-oriented, mixed-use residential developments that are close to services, reduce dependence on automobile use, and are of high quality.

Specifically, the General Plan designation of RVC characterizes downtown Santa Cruz as emphasizing, "a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as entertainment venues."

The Downtown Plan additionally establishes a vision for the City's downtown core as embodied in the First Principles originally introduced in the Downtown Plan in 1991 and as subsequently refined in the years following. An excerpt of the Vision appears below:

> "Vibrant, vital and active, the central business district constitutes the primary retail, commercial, professional and employment center for the City of Santa Cruz. This compact, high-density area is home to unique businesses, offering residents and visitors a diverse and wholesome environment for commercial, cultural, civic and social pursuits. Local, regional and national businesses combine in a potent blend, making the downtown a major destination for the entire region.

The project site occurs on land within the Cedar Street Village Corridor subarea of the Downtown Plan, which the Downtown Plan characterizes as follows:

> "The Cedar Street Corridor is immediately west of the Pacific Avenue Retail District. The area provides an appropriate transition in scale and use between the downtown and the adjacent residential neighborhoods and the civic center. In contrast to Front Street, which plays a destinational retail role, Cedar Street serves as a more local-serving street with a mixture of professional offices, support and convenience retail, and restaurant uses. Unlike Pacific Avenue, which developed in a relatively consistent manner with a strong "street wall" of buildings, Cedar Street is more diverse in nature, with a mixture of one and two-story structures of varied setbacks. Many of the buildings are wood frame structures with a strong residential character."

With an FAR of 4.60, the proposed project design conforms to the maximum allowable FAR of 5.0 as specified in the General Plan for development in the City's downtown.As a mixed-used development encompassing a new public library; commercial tenant space; childcare facility; approximately 243-space structured parking; and residential complex incorporating 124 100% affordable residences, including studio-, one-, two- and three-bedroom residential units situated in the City's downtown urban core, the proposed project demonstrates consistency with the stated purpose of the CBD zone district, Cedar Street Village Corridor subarea and General Plan land use designations, as articulated in the project plans, agenda report, website materials for the project, public hearing presentations, conditions of approval, and elsewhere in these findings. The proposed project would conform to residential unit densities consistent with the provisions of State Density Bonus Law. The associated agenda report text further describes how the State Density Bonus Law is used by the project to remain consistent with the Downtown Area Plan. The site is not located within the Coastal Zone.

**2. That any additional conditions stipulated as necessary in the public interest have been imposed;**

Conditions of approval have been added to the proposed project, including, but not limited to, requirements for construction of a sidewalk of at least 10' in width per design criteria of the Downtown Plan, establishment of new City street trees per the list of approved varieties and establishment of 12 off-site trees within the downtown area intended to counteract the removal of existing trees, continuation of a 6' wide westbound bicycle lane and installation of new City streetlights including decorative light standards, collectively improving circulation and safety of motorists, bicyclists, and pedestrians, and enhancing the aesthetic environment and streetscape. Required construction of a new trash enclosure and storm drain inlets will additionally provide for upgraded refuse collection and materials recovery as well as treatment of runoff at the project site for mitigation of potential impacts to surrounding properties, public right-of-way for enhanced protection of ground- and surface-water resources.

**3. That such use or structure will not constitute a nuisance or be detrimental to the public welfare of the community; and**

Since the time of its inception, the proposed project's design has evolved in response to feedback received through yearslong community outreach efforts; architectural plans have additionally undergone revision resulting from feedback provided by City staff. As currently proposed, the project satisfies design standards of the Municipal Code and Downtown Plan. Consistent with provisions of the Downtown Plan, the structure's design emphasizes the development's ground floor, accentuating building entries to relate to the human scale, while stepped-back facades and a coordinated program of fenestration present a balanced, intentional appearance which offsets bulk and mass. The building bestows street presence due to its height, width, and substantial footprint, while avoiding the impression of an imposing edifice through use of a tiered form and placement of the tallest components a significant distance from the front property line. Integration of new landscaping will soften the appearance of the development by including a drought-tolerant, water-efficient plant palette which will enliven the existing site, enhance the area's ecology, while additionally providing greater vibrancy and durable functionality, enhancing the pedestrian experience and offering opportunities for usability of outdoor space for passive recreation.

The proposed project meets all district development standards, with the exception of project height proposed as a Density Bonus waiver and incentive/concession, and the overall building mass has been broken up by architectural treatments, including articulated exterior surfaces, a diversified material and color palette, integration of expansive glazing, and incorporation of tasteful exterior detail including score lines, recesses, and overhangs. Visual interest is ensured by incorporation of varied roof forms and relief in building planes. Rooftop equipment is incorporated into the project design and screened from view from adjacent properties and public rights-of-way, while utility installations such as trash enclosures, storage units, and parking are incorporated into project design, rendering them accessible but screened from view. The commercial childcare facility, although imbedded in the project floor plan, remains sheltered due to strategic placement of building walls and inclusion of separate entrances dedicated to individual uses, while the residential tower remains separated by distance for privacy and security. Through separation by distance and provision of secured access, sensitive uses retain privacy and security programming. Placed adjacent to the Cedar Street frontage, the project's rooftop terrace, including outdoor community gathering space, remains oriented away from surrounding residences and other land uses, disconnected from adjacent residential uses by building areas, further avoiding impacts related to potential loss of privacy, strategically placed to avoid imparting unintended nuisances activities to surrounding land uses associated with production of noise, vibration, glare, and the like associated with the introduction of new housing units. The library will serve as a community space for resources, learning, and gathering. With all such factors considered, including conditions of approval implemented, the proposed uses incorporated into the project will not constitute a nuisance or impose detrimental impacts to the public welfare of the community.

**4. That all thrift store uses shall include a management plan that identifies collection facilities for donated items, operating hours for donation facilities which discourage unsupervised dropoffs, adequate storage areas for sorting the materials, and provides a plan to properly dispose of unusable items in a timely, secure, and orderly fashion and maintains premises in a clean and attractive condition.**

The above finding remains inapplicable, as the project does not include a thrift store use.

**<u>Large Non-Residential Ground-Level Uses, Downtown Plan</u>**

**5. The use adds a desired, "targeted" business to the Downtown, which would serve to diversify the Downtown Plan area ground-level business base;**

The land uses included in the proposed project, including public library, affordable housing units, childcare, and commercial tenant space, represent desirable land uses, as expressed by the City Council and advisory bodies and as additionally affirmed by the community as a whole through feedback received via extensive public outreach. The proposed scope of work encompasses three distinct ground-level uses (and four uses overall) within a mixed-use format which would diversify the mix of development in the City's urban core. The new library would exceed 16,000 square feet in size; however, as a public use open to all members of the community and not representing a "business", siting of such facility would remain in conformance with the spirit and intent of the above finding, which allows for review of expansive, for-profit land uses. The combined floor area of the proposed childcare and commercial tenant space would remain below the 16,000 square-foot size threshold identified and constitute land uses directed by the City Council for incorporation into the proposed project's scope of work. Therefore, the above finding can be made.

**6. The use provides a public benefit and contributes to an appropriate balance of local or non-local businesses. For the purposes of this finding, it shall be presumed that local businesses serve to sustain the authenticity and unique retail character of the downtown business mix. However, non-local businesses may add to retail draw and contribute to overall downtown vitality in certain circumstances;**

As a not-for-profit enterprise, the new library would provide an array of public benefits, functioning as a landmark downtown destination providing resources for enhancement of community literacy, offering new capabilities for research, fulfilling the need for a community gathering space, and providing capacity for community events. The library would primarily serve local residents but would also attract some visitors. As a regular destination for many community residents, the library use would support other businesses in the downtown by bringing additional customers to the area. While both under the 16,000-square-foot threshold considered here, the childcare facility would assist in addressing the dearth of much-needed opportunities for care of the City's youngest residents, and the commercial tenant space would add ground-floor capacity for a range of tenant types and provide for relocation of the existing Toadal Fitness use displaced through the proposed redevelopment of 113 Lincoln Street.

**7. The use contributes to an appropriate balance of small, medium and large-sized businesses in the downtown area to diversify the ground-level business mix; to insure the maintenance of the "Santa Cruz" identity, unique character and authenticity; to seek to reduce economic "leakage" of sales out of the City and County; and to induce local investment and employment to the downtown area;**

The new library facility, as a public facility affording a diverse array of benefits to the community, constitutes a large facility which nonetheless acts in a service role, providing access to print, digital, and audio media foster development of literacy and fostering life-long learning opportunities for community residents and visitors. As the flagship downtown library boasting an attractive, modern, and urbanist design and replacing the City's existing, aged downtown branch, the library facility offers a unique addition to the mix of uses and building types in the City's downtown core and may serve as the impetus for further positive land-use changes within the neighborhood. Siting of the new facility, near the existing library, retains patronage within the immediate vicinity of the existing library and

would add foot traffic to the area with potential for an added customer base to surrounding businesses. Addition of walkable, pedestrian-and cyclist-oriented ground-floor uses would maintain neighborhood-and community-serving uses within City limits, preventing leakage to locations outside of Santa Cruz. The location of affordable housing, childcare, and commercial space within a single building creates a symbiotic mix of uses which completement surrounding land uses and furnish a broader range of destinations in the locale intended to represent a destination for the community.

**8. The design of the façade of the proposed use meets the design standards and guidelines of the Downtown Plan and is not restricted by corporate standardized or trademarked exterior design, signage, materials, color or other visual treatments;**

The proposed project includes high quality of architecture and attractive arrangement and presentation of facades, aesthetically enhancing the existing site, ensuring compatibility with surrounding uses, and ensuring consistency with the provisions of the Downtown Plan. The design incorporates relief in the buildings' front and side facade planes; diversity of materials and colors; insetting of windows and placement of projecting metal awnings; and integration of a distinct building base, middle, and cap. Varied fenestration, ample use of score lines, and placement of decorative louvers and trim detail additionally offer visual diversity, while reducing the appearance of project building bulk and mass. With a design tailored to the project site, the proposed project introduces no corporate architecture or signage, but, rather, affords originality and uniqueness, furthering the unique identity which establishes Santa Cruz as a vibrant, authentic, and attractive city. Use of native, drought-tolerant, and low-water-use vegetation further enhance the image of the proposed development while providing ecological benefits and functionality through improved treatment of stormwater, creation of passive recreational space, and provision of opportunities for both active and passive recreation and gathering space for social interaction to the entirety of the Santa Cruz community.

**9. The proposed use would be a good neighbor and contribute to the community life of the downtown by participating in such community activities as: (1) Membership in downtown merchant, resident, neighborhood improvement organizations and/or assessment districts; (2) to the greatest extent feasible, hiring local residents; and (3) hosting or participating in downtown festivals, fairs, benefit events and similar neighborhood activities; and**

The proposed use would enhance the vibrancy and life of the community, acting as an integral component of the City's continually evolving and diversified downtown core. The new library would provide capacity for community gatherings, events, festivals, and fairs and offer a venue for hosting of events open to the public and serving a wide range of stakeholder needs. The childcare use would allow for area residents to care for the youngest members of their families in a location near a high0density commercial and employment center, while the commercial tenant space would offer capacity for new retail, service, and similar resident-serving categories of uses accessible from ground level and offering expanded business and employment stock and representing a venue accommodating new and existing local merchants.

**10. If applicable, all food and/or beverage service activities shall be conducted in accordance with the following "good neighbor operating procedures" for such uses.**

**i. Sufficient trash and recycling receptacles shall be provided and shall be regularly maintained;**
**ii. All debris boxes shall be screened and kept on the premises in a designated or approved location;**

**iii. The operator shall be responsible for cleaning the sidewalk within fifty (50) feet horizontal distance from the premises during the hours of operation to maintain the sidewalk free of paper, spillage or other litter; and**
**iv. Noise, glare and odors shall be contained within the premises so as not to be a nuisance to neighbors. Under no circumstance shall the ventilation outlets or motors cause emission of objectionable odors or noise directed toward neighbors.**

The mix of land uses incorporated within the proposed project would introduce an array of enterprises into the Cedar Street Village subarea of the City's Downtown Plan area. While food and beverage services are not currently expected as part of the regular library operations, if such service were to occur, through application of standards conditions of approval and through implementation of principles of design in keeping with the provisions of the Downtown Plan and practices of property maintenance conforming to the provisions of the City's Municipal Code, trash receptacles would remain in sufficient capacity and of a unified design consistent with the aesthetic standards of the City's Downtown Plan; debris boxes would remain within designated, approved locations; proper sanitation practices would be followed; and nuisance impacts related to generation of noise, glare, odors, and similar offensive effects would not manifest.

**<u>Design Permit, Section 24.08.430</u>**

**11. The site plan and building design are consistent with design and development policies of the General Plan, any element of the General Plan, and any area plan, specific plan, or other city policy for physical development. If located in the Coastal Zone, the site plan and building design are also consistent with policies of the Local Coastal Program.**

The project site plan demonstrates consistency with, and will facilitate achievement of, the goals, policies, and actions of General Plan 2030, whose Land Use Map designates the land including the subject parcel as "Retail Visitor Commercial." Demolition of an existing, aged commercial building and surface parking lot situated on the respective parcels comprising the project area and replacement with a higher-intensity development will provide improved utility of the site; and placement of a new development will provide for a more uniform, cohesive exterior appearance consistent with the bulk, mass, and architecture of existing, surrounding uses. As proposed, the project will, therefore, 1) attain General Plan Goal CD-1 by promoting "a building environment in harmony with its natural setting;" and 2) advance Policy LU1.1 by relating "residential, commercial, and industrial land use intensities to the capability and location of the land while ensuring optimum utilization of infill parcels." The project provides 124 dwelling units, resulting in an elevated residential intensity as allowable by the State's Density Bonus Law, and thus advances site development standards of the Downtown Plan through advancement of elements of the plan by facilitating the vision that "A range of housing types is integrated into the downtown … This urban-density housing provides both market-rate and affordable units, and expands the immediate market for downtown goods, services and public transportation" and fostering attainment of qualities of the Code Street Village Corridor as envisioned in the Plan that "upper-level residential uses are particularly encouraged within the Cedar Street subarea to intensify the resident population of the downtown and to create an appropriate land use transition to the adjacent neighborhoods." Through provision of traffic-calming measures, including widened sidewalks and extended bicycle travel lanes, the project mitigates increases in vehicular volumes and assists in improvement of public safety while avoiding disruption to current circulation patterns. Consistency with the General Plan, Downtown Plan, and other applicable regulations is further articulated in the project plans, staff reports, website materials for the project, public hearing presentations, and conditions of approval, and elsewhere in these findings.

**12. For non-residential projects, the project's location, size, height, operations, and other significant features and characteristics are compatible with and do not adversely affect or further degrade adjacent properties, the surrounding neighborhood, or the public health, safety, and welfare. For residential projects, the project complies with the objective standards and requirements of the zoning district in which it is located, as well as any objective standards of any area plan or other regulatory document that applies to the area in which the project is located.**

The project complies with all applicable objective standards, in part through the implementation of State Density Bonus Law, as articulated in the project plans, staff reports, website materials for the project, public hearing presentations, and conditions of approval, and elsewhere in these findings.The proposed project would replace an existing, low-intensity building and fixtures with a dynamic new mixed-use development accommodating a variety of uses, including public facility, commercial, and residential units at a site bounded on all sides by existing buildings of similar scale and range of land uses. Demolition of the existing aged structures and replacement with a new development boasting modern architecture will eliminate aging infrastructure while introducing new land uses whose attributes retain compatibility with the nature of surrounding uses of commercial, residential, and public-facilities character, with a diversity analogous to that proposed while avoiding spillover effects inducing detrimental effects to surrounding land uses. The proposed layout will allow for improved use of the site for mixed-use high-density commercial and residential use and maintain compatibility in design and utility of surrounding land uses.

**13. For non-residential projects, the project provides for an arrangement of uses, buildings, structures, open spaces, and other improvements that are compatible with the scale and character of the adjacent properties and surrounding neighborhood.**

Through removal of an antiquated, underutilized building and surface parking lot, the proposed project will allow for better use of a property of constrained dimensions and limited area while continuing the multi-use character of the site and maintaining cohesiveness to surrounding uses. The design of the project and all landscaping will enhance the aesthetics of the project site and allow for an intensity of use and activity appropriate for the site's downtown location, while minor regrading of the project area and setting of new surface material will combine for improved circulation and site access conducive to a high-density, mixed-use development.

The building would reflect an individual character while introducing ample articulation, diversity of colors and materials, varied setbacks across stories, and appropriate scale and massing, compatible building form and bulk, and protection for solar access; provide an appropriate height, setting the taller residential building components closer to Pacific Avenue and stepping down significantly from the height of the residential component to a structured parking facility and library, and consistent with the maximum height stipulated by the Downtown Plan, in part through implementation of State Density Bonus Law; supply multifamily housing as a core component of the proposed scope of work; ensure accessibility to downtown destinations; integrate a strong network of public and private open spaces for social activity and pedestrian orientation; emphasize pedestrian and bicyclist circulation; and centralize parking within a structured facility. The project would provide new opportunities for placement of affordable residential units in the City's Downtown; would promote the appearance of groupings of buildings rather than one monolithic mass; will facilitate the creation of internal pedestrian connections and will advance the construction of childcare and structured parking and will incorporate public right-of-way improvements. The project therefore provides for an arrangement of uses, buildings, structures, open spaces, and other improvements that are compatible with the scale and character of the adjacent properties and surrounding neighborhood.

**14. The exterior design and appearance of buildings and structures and the design of the site plan shall be compatible with design and appearance of other existing buildings and structures in neighborhoods which have established architectural character worthy of preservation.**

The proposed project proposes modifications to an existing underutilized downtown site containing a single decades-old commercial building and asphalt parking lot, whose removal will eliminate a low-performing, aged structure precluding attainment of optimum development potential and use of the subject site; and proposed replacement with a new landmark building, attractive landscaping, and attendant on- and off-site amenities granting enhanced aesthetics and acting as the impetus for urban renewal in the subject area. Construction of a modern building with variation in height, ample articulation in planes, diversity in materials and colors, balance in fenestration, and incorporation of a tiered building design would enhance the project site while complementing the local environment, including surrounding land uses of various scales of development intensity, thus advancing neighborhood compatibility.

The proposed project includes high quality of architecture and site design, satisfying the stated rationale of the requirement for Design Permit and providing consistency with the provisions of the Downtown Plan. The design incorporates relief in the buildings' front and side facade planes; diversity of materials and colors; insetting of windows and placement of projecting metal awnings; and integration of a distinct building base, middle, and cap. Varied fenestration, ample use of score lines, and placement of decorative louvers and trim detail additionally offer visual diversity, while reducing the appearance of project building bulk and mass. Use of native, drought-tolerant, and low-water-use vegetation further enhance the image of the proposed development while providing ecological benefits and functionality through improved treatment of stormwater, creation of passive recreational space, and provision of opportunities for both active and passive recreation and gathering space for social interaction to the entirety of the Santa Cruz community.

Consistent with the design standards of the Cedar Street Village Corridor, the building provides ground-level treatment integrating primary entrances accessible from Cedar Street, accentuating the building's point of entry; transparency at ground level to afford visibility to the budling's interior, thereby and creating a sense of activity and vitality; integration of signage into building facades; and incorporation of ample glazing. The new green roof positioned atop the third floor of the library building, aligned to the building's primary frontage, include landscaping to soften the appearance of the built environment, blurring the hard edge of the building's cap along Cedar Street and blending nature with new construction, offers an element for visual interest, access to usable space, and opportunities for community interaction.

The surrounding area has a mix of building heights and massing, and the proposed design responds to the urban context and planned building intensities by placing taller building heights closer to Pacific Avenue and stepping building heights down towards Cedar Street. The existing building on the site at 113 Lincoln Street was determined to not qualify for local, state, or national historic register designations, though some buildings with historic designations are located in proximity to the site. The closest building with a historic designation is at the southwest corner of Pacific Avenue and Lincoln Street, at 1129 Pacific Avenue. The historic report for that building notes the large glass display windows on the façade and the terra cotta tiles along the parapet. These design features are not present in what appears to be a later addition to the building at 105 Lincoln Street, based on the lack of those features, different building height, different parapet design, and different fenestration. Regardless, the existing and planned urban context of the area with mixed building heights provides an existing condition and expectation of differing new building sizes and scales in the area, and the urban context, separations (in addition to 105 Lincoln Street providing separation between the

proposed project and the historic building at 1129 Pacific Avenue, an alleyway also separates the project from the historic building, and the taller element of the building is separated even further from the edge of the alley, making the taller element over approximately 30 feet from the property line of 105 Lincoln Street), and building design provide for compatibility between the historic building at 1129 Pacific Avenue and the proposed project. Other historic buildings are located nearby on or near the west side of Cedar Street. Similar to the case with the 1129 Pacific Avenue structure, the urban context, the separations between the project and the historic sites, and the building design are all proposed in a manner that creates compatibility with nearby structures with architectural character that is worthy of preservation. The project's consistency with applicable rules of the Downtown Plan and other plans establishes compatibility between the project and existing and planned development in the area, and the context of the area would not be altered by the project in a manner that would affect the respective designations of any of the nearby historically-listed structures.

**15. Design of the site plan respects design principles in terms of maintaining a balance of scale, form and proportion, using design components which are harmonious, and materials and colors which blend with elements of the site plan and surrounding areas. Location of structures takes into account maintenance of public views; rooftop mechanical equipment is incorporated into roof design or screened from public rights-of-way to the extent possible. Utility installations such as trash enclosures, storage units, traffic-control devices, transformer vaults and electrical meters are accessible and screened.**

The proposed project will maintain a balance of scale, form, and proportion with both the existing site and neighboring properties in a variety of ways. Through removal of an antiquated, underutilized building and surface parking lot, the project will allow for better use of a property of constrained dimensions and limited area while continuing the multi-use character of the site and maintaining cohesiveness to surrounding uses. The design of the proposed project and all landscaping will enhance the aesthetics of the project site and allow for an intensity of use and activity appropriate for the site's downtown location, while minor regrading of the project area and setting of new surface material will combine for improved circulation and site access conducive to a high-density, mixed-use development. New rooftop mechanical equipment and all ground-mounted equipment and utility installations will be required to be fully screened from view from surrounding properties and public rights-of-way.

**16. Where a site plan abuts, or is in close proximity to, uses other than that proposed, the plan shall take into account its effect on other land uses. Where a nonresidential use abuts or is in close proximity to a residential use, the effect of the site plan should maintain the residential quality of adjacent or nearby areas.**

The proposed project would replace an existing, low-intensity building and fixtures with a dynamic new mixed-use development accommodating a variety of uses, including public facility, commercial, and residential units at a site bounded on all sides by existing buildings of similar scale and range of land uses. Demolition of the existing aged structures and replacement with a new development boasting modern architecture will eliminate aging infrastructure while introducing new land uses whose attributes retain compatibility with the nature of surrounding uses of commercial, residential, and public-facilities character, with a diversity analogous to that proposed while avoiding spillover effects inducing detrimental effects to surrounding land uses. The proposed layout will allow for improved use of the site for mixed-use high-density commercial and residential use and maintain compatibility in design and utility of surrounding land uses.

The proposed project would likely generate only a minor increase in traffic to the surrounding area, as the project's scope of work would provide for ingress and egress from existing frontages, thereby

continuing all existing circulation patterns to minimize impacts and simultaneously enhancing safety for motorists, bicyclists, and pedestrians. A broadened sidewalk of 10' in width per design criteria of the Downtown Plan, and continuation of a 6' wide westbound bicycle lane combine to improve circulation and safety of motorists, bicyclists, and pedestrians, and enhancing the astatic environmental and streetscape. Vehicular ingress and egress would occur from Cathcart Street to the parking garage serving all uses included in the project, with pedestrian entry positioned midblock along Cedar Street. Pedestrian access to the parking garage occurs adjacent to the vehicular entries along the building's southerly elevation, as well at the project's north side along its Lincoln Street frontage, immediately adjacent to the library's easterly wall By replacing existing surface parking stalls with new structured parking of greater increased capacity near the easterly portion of the project site, the project would provide a parking facility readily accessible to the public, accommodating the anticipated project demand and helping to offset deficits projected through existing and future downtown development while minimizing the visual impacts of vehicle storage. Through placement of the entry from Cathcart Street at a sufficient distance from Cedar Street, the site design affords ease of ingress and egress while avoiding obstructions to vehicular flow and facilitating safe passage to and from the project site. The scale of the building is compatible with the scale of the surrounding urbanized area, and the project design responds to the criteria called for in the Downtown Plan.

**17. To the extent feasible, the orientation and location of buildings, structures, open spaces, and other features of the site plan maintain natural resources including significant trees and shrubs, minimize impacts to solar access of adjacent properties, and minimize alteration of natural land forms; building profiles, location, and orientation must relate to natural land forms.**

The proposal requires the removal of existing vegetation, including trees; however, a new plant palette will provide a renewed, vibrant appearance through incorporation of native, low-water-use, and drought-tolerant foliage selected for adaptation to local climatic and soil conditions and with City street trees of a number greater than those proposed for removal. The project scope incorporates minor alteration of site topography. Due to the flat slope of the site, limited earthwork would occur and not alter landforms in any appreciable manner. Although new buildings are proposed, such development would replace an existing underutilized site with new features occurring in approximately the same location as existing development, maintaining height as allowable by Code, and as modified pursuant to State legislation, while avoiding inducement of adverse impacts related to height, setbacks, or loss of sunlight exposure to surrounding properties.

The proposed project incorporates new landscaping with a plant palette tailored to local soil and climatic conditions situated at the perimeter of the project site, providing limited screening to new parking stalls located within the proposed structure. Open space has been integrated in the project design, breaking up building mass and bulk while providing opportunities for respite, reflection, and outdoor recreation.

**18. The site plan ensures that the scale, bulk, and setbacks of new development preserves important public views along the ocean and of designated scenic coastal areas. Where appropriate and feasible, the project shall restore and enhance visual quality of visually degraded areas.**

The site does not have a view of the ocean or scenic coastal areas and is not located in a visually degraded area; therefore, this finding is not applicable.

**19. The site plan shall reasonably protect against external and internal noise, vibration and other factors which may tend to make the environment less desirable. The site plan should respect the need for privacy of adjacent residents.**

A temporary increase in noise and vibration will result from project construction; however, no long-term intensification in nuisance impacts, including noise or vibration, would stem from the project. As a minor modification to the existing site zoned for Central Business District intensity and flanked by existing development and buffered by surrounding buildings, the project would not produce detrimental impacts related to loss of privacy, as no alteration to site standards or existing setbacks required by the Downtown Plan are incorporated in the scope of work, aside from the height increase allowed pursuant to the State Density Bonus Law. Placement of the project's residential component at the easterly portion of the project site, maximizing separation from neighboring residences and siting of the project's rooftop terrace, including outdoor community gathering space, adjacent to the Cedar Street public right-of-way, diminishes impacts related to potential loss of privacy and reduces adverse, potential nuisance activities related to noise, glare, and vibration associated with occupancy of proposed housing units and associated with congregate gathering on the library's rooftop. Therefore, the project will not render the environment less desirable, nor will it affect privacy of adjacent residents.

**20. Building and structures shall be designed and oriented to make use of natural elements such as solar radiation, wind, and landscaping for heating, cooling, ventilation, and lighting.**

The proposed project has been designed to maximize space efficiency while providing ample access to light and air. Integration of generous glazing on all levels and facades of the building, including operable windows, introduces opportunities for passive heating and cooling, while providing views to the surroundings. The project design accommodates future installation of rooftop photovoltaic arrays, furthering sustainability goals for reductions in greenhouse gas emissions, reducing the project's carbon footprint while offsetting costs associated with provision of electricity while maximizing efficiency of energy use.

The project scope of work includes new landscaping maximizing use of native vegetation and low water-use, drought-tolerant plant varieties. The project will further be required to comply with all applicable provisions of Municipal Code Chapter 16.16, Water-Efficient Landscaping related to regulation of landscape design, construction, and maintenance, thereby promoting efficient water use, facilitating management of peak season water demand, and assisting with the preservation of water storage in order to ensure a reliable and adequate public water supply. The application has been conditioned to provide a final landscape plan for review and approval with the building permit plans. Additionally, all new building and plumbing fixtures will be required to comply with Title 24 Energy-Efficiency requirements, including maximum efficiency of resource utilization.

**<u>Density Bonus, Section 24.16.270</u>**

**21. The housing development is eligible for a density bonus and any concessions, incentives, waivers, modifications, or modified parking standards requested; conforms to all standards for affordability included in this section; and includes a financing mechanism for all implementation and monitoring costs.**

The General Plan establishes a maximum Floor Area Ratio of 5.0 for property with a land use designation of Regional Visitor Commercial (RVC). As Floor Area Ratio constitutes a general measure of mass and bulk, it intrinsically relates to residential density in that the number of residential units which may be accommodated within a project relies on the intensity of development (i.e., the three-dimensional space occupied by the building, or its massing).

Although the General Plan establishes a maximum Floor Area Ratio of 5.0 in the City's Downtown, notably, State Density Bonus Law allows for an increase in the number of residential units which may be accommodated within a project through provision of affordable housing units of particular percentages of the number of residential units included in the project's base density, or the density of residential units which may be included in a project fully-conforming to all applicable regulations, including legislation, Code, policy and such as height, setbacks, and the like.
As shown in the base density plans, 72 residential can be accommodated within the three-dimensional space provided per all applicable standard regulations. Such base density incorporates a library facility, commercial tenant space, and childcare component as specified by City Council directives and results in an FAR of 3.86.

Through AB1763, any project located within a half-mile of a major transit stop remains exempt from maximum density controls and is provided a height increase of up to three (3) stories or thirty-three (33) feet above the standard maximum threshold allowable by the Municipal Code. Via this legislation, a qualifying project may receive four (4) incentives or concessions pursuant to State Density Bonus Law (Government Code Section 65915 et. seq.), as affirmed through the provisions of Senate Bill (SB) 330 (Housing Crisis Act of 2019). Further, Assembly Bill 2345 exempts the housing component of the project from provision of vehicular parking due to the site's proximity to a major public transit location.

The City's Municipal Code, Section 24.16.020, requires that residential developments that would create five or more new residential dwelling units provide twenty percent (20%) of the dwelling units as inclusionary units, which shall be made available for lease to low-income households at an affordable rent. Inclusionary units are restricted in perpetuity to households earning eighty percent (80%) or less of the Area Median Income (AMI). The proposed project provides one hundred percent of the residential units as affordable units. A condition of approval has been added, requiring designation of unit(s) as manager's residences as deemed necessary or appropriate.

With 124 units proposed and a residential base density of 72 units, the project as presented exhibits an FAR of 4.60, a number below the maximum threshold allowable by the General Plan for sites located on land within the City's Downtown Plan area; the design additionally has a residential density of approximately eighty (80) dwelling units per acre and would result in a density bonus of 72%. The housing component of the project therefore demonstrates eligibility for a density bonus and waivers and modified parking standards requested; the project additionally conforms to all standards for affordability; and, as conditioned, will include a financing mechanism for all implementation and monitoring costs. The project applicant has secured various sources of financing for construction, implementation, and monitoring costs and has expressed the intent to pursue a range of future financing opportunities.

**22. Any requested incentive or concession will result in identifiable and actual cost reductions to provide for affordable rents or affordable ownership costs based upon appropriate financial analysis and documentation if required by Section.**

The project plans present a design which places the bottom level of the parking garage at surface level, with the residential component positioned atop the structured parking faciality. An incentive/concession is requested for increase in height related to placement of structured parking at surface level, as included in the project plans. Reasonable financial documentation has been submitted in support of the requested incentive/concession in which the applicant has demonstrated the elevated expenditures associated with the proposal for subterranean parking compared with placement of

structured parking at surface level, including costs incurred related to design, structural reinforcement, ventilation, waterproofing, and construction.

**23. If the density bonus is based all or in part on dedication of land, the approval body has made the findings included in Section 24.16.230.**

The above finding remains inapplicable, as the project does not include any requests for dedication of land.

**24. If the density bonus, incentive, or concession is based all or in part on the inclusion of a child care center, the development conforms to the standards included in Section 24.16.235.**

Although the proposed development includes a childcare facility, no waiver or incentive/concession has been requested related to the childcare facility, and, thus, the above finding remains inapplicable pursuant to SCMC 24.16.235.

**25. If the density bonus incentive or concession is approved for a condominium conversion, the development conforms to the standards included in Section 24.16.240.**

The above finding remains inapplicable, as the project does not include a proposal for a condominium conversion.

**26. If the incentive or concession includes mixed-use buildings or developments, the nonresidential land uses will reduce the cost of the housing development and the proposed nonresidential uses are compatible with the housing development and with existing or planned development in the area where the proposed housing development will be located.**

An incentive/concession has been proposed for placement of the structure parking facility at surface level in order to offset costs associated with subterranean construction as illustrated in the base density plans, which present a theoretical, fully-conforming, baseline project. To support the proposed incentive/concession, financial documentation has been provided to demonstrate the actual cost reductions associated with avoidance of underground construction. The financial gains accrued from averting subterranean construction translate into increased availability of funds for building affordable housing.

The proposed project displays consistency with all relevant requirements, including provisions of the City's Downtown Plan, and completeness the existing site, project features, and surrounding development as proposed, thereby establishing compatibility between the project and existing and planned development in the area.

**27. If a waiver or modification is requested, the applicant has shown that the development standards for which the waiver or modification is requested will have the effect of physically precluding the construction of the housing development at the densities or with the incentives or concessions permitted by this Part 3.**

The Downtown Plan includes areas in which height may be increased beyond the standard maximum threshold, named "Additional Height Zone A" and "Additional Height Zone B." Portions of the project site, composed of two lots, fall within "Additional Height Zone A," which accommodates building heights of up to 75' if located within 200' of Pacific Avenue. That is, the easterly, approximately one quarter of the combined project site (including most of 113 Lincoln Street) fall within Additional

Height Zone A, and the height of the building may be proposed as up to 75' within that portion of the project area.

Portions of the proposed affordable housing component of the Library Affordable Housing Project fall outside "Additional Height Zone A" delineated in the Downtown Plan, in which the Downtown Plan allows a height of up to 75' if approved by the City Council. As a 100% affordable housing project located within a half-mile of a major transit stop, the proposed height of 84' has been requested as a waiver; as specified in the associated staff report, recent court rulings indicate that all waivers must be granted unless resulting in a violation of law, involving a "specific adverse impact," or impacting an historic resource. Thus, it is recommended that the Planning Commission recommend to the City Council granting of a waiver to the proposed project for the residential component of the project to attain the height of the residential component as proposed.

The project proposes a maximum height of approximately 84' (determined in the manner specified by Section 24.12.262 of the Municipal Code), including a height of 91'-0" to the top of parapet and 95'-0" to the top of the rooftop access stair. The proposed design complies with the increased height thresholds as allowable through State legislation. Without approval of the incentive/concession for placement of the parking facility at surface level, and, absent authorization of the requested waiver for exceedance of the project's residential component beyond the standard maximum height of 50' as specified in the Downtown Plan, the project would incur significant financial burdens potentially resulting in project infeasibility due to cost, and prompting severe reduction in the number of affordable housing units, respectively, precluding development of the project at a scale and density allowable per the General Plan and pursuant to applicable State legislation.

Justification for the waiver is further articulated in the staff report, project plans, and associated materials submitted by the applicant.

**28. If a commercial development bonus is requested, the project complies with the requirements of Section 24.16.258, the city has approved the partnered housing agreement, and the bonus has been mutually agreed upon by the city and the commercial developer.**

The above finding remains inapplicable, as the project does not include a proposal for a commercial development bonus.

**29. If the housing development or the commercial development is in the coastal zone, any requested density bonus, incentive, concession, waiver, modification, modified parking standard, or commercial development bonus is consistent with all applicable requirements of the certified Santa Cruz local coastal program, with the exception of density.**

The project site is not located within the Coastal Zone, and, therefore, the above finding does not apply.

**With Respect to the California Environmental Quality Act -** Environmental Checklist for Determination of CEQA Exemption and Class 32 Categorical Exemption Memo

**30. The California Environmental Quality Act (CEQA) provides Statutory Exemptions which are applicable to categories of projects and activities that the Lead Agency has determined generally do not pose a risk of significant impacts on the environment. The project consists of 124 multifamily units, a public facility, childcare space, and commercial tenant area within a developed urban center of the City of Santa Cruz. Public Resources Code section 21083.3 and**

**its parallel CEQA Guidelines provision, section 15183, provide for streamlined environmental review for projects consistent with the General Plan for which an EIR was certified. Section 15183, subdivision (b), states that, if a project is consistent with an agency's General Plan for which an EIR has been certified, the agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:**

1. **Are peculiar to the project or the parcel on which the project would be located;**
2. **Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent;**
3. **Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan, or zoning action; or**
4. **Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR. (State CEQA Guidelines section 15183(b).)**

An Environmental Impact Report was prepared for the City's most recently-adopted General Plan, General Plan 2030; and a separate EIR was completed for the Downtown Plan. Any project within City limits falls under the purview of the City's General Plan, and, due to the location of the subject site, the project is additionally regulated by the Downtown Plan.

A thorough evaluation was completed and provided to the decision-makers, and the evaluation determined that the project is eligible for use of Public Resources Code section 21083.3. Thus, pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183, no further environmental analysis is required under CEQA. The project qualifies for the Statutory Exemption found in CEQA Guidelines Section 21083.3.

**<u>Nonresidential Demolition Authorization Permit, Section 24.08.1230</u>**

**31. The cultural resources evaluation is accepted as accurate and complete; and the cultural resources evaluation concludes that the building or structure is not eligible for listing on the city historic building survey.**

Pursuant to the Nonresidential Demolition Authorization Permit ordinance, the permit serves to evaluate requests for demolition of nonresidential structures fifty years of age or older, and of undetermined age, to ensure that those which may have historic value are not demolished.

An historic evaluation (DPR 523) dated March 14, 2022, has been prepared by City-approved historian Seth Bergstein of PAST Consultants, LLC, concluding that the property located at 113 Lincoln Stret remains unlisted on the California Register of Historic Resources, the National Register of Historic Places, or the City of Santa Cruz Historic Building Survey, and appears ineligible for listing on any of the registers. As described in the historic evaluation, The commercial building at 113 Lincoln Street has been altered considerably since the time of its construction, with remodel of the storefront and removal of the building's original entrance undertaken in 1980, and a rear addition constructed in 1986. As substantiated by the report, the subject building no longer exhibits sufficient integrity of setting, design, materials, workmanship feeling, or association for it to qualify for inclusion in the National Register of Historic Places or the California Register of Historical Resources. The subject property containing the commercial building at 113 Lincoln Street is further determined ineligible for the Santa Cruz Historic Resources Inventory, as the building fails to satisfy City preservation criteria

and experienced substantial alterations since the time of its original construction. The proposed redevelopment project requires no mitigation for impact to historic resources pursuant to the provisions of the California Environmental Quality Act (CEQA - Section 15064.5), as the subject property addressed 113 Lincoln Street, including its existing structure, has been demonstrated to lack historic significance. As the property at 119 Lincoln Street contains no structure, the above finding remains inapplicable to that parcel.

**32. The project which will replace the demolished building or structure has been, or is concurrently being, approved by the city, and an appropriate building permit has been, or is concurrently being, issued; unless some other practical hardship can be documented rendering this requirement inappropriate.**

The proposed project has been proposed for approval concurrently with the approval to demolish the existing commercial structure.

**33. The property owner has been advised of the benefits of listing the property on the city historic building survey and incorporating the preservation of the historic resource into the proposed project.**

The above finding remains inapplicable, as the subject property has been determined to not be eligible for listing.

**34. The cultural resources evaluation determines that the resource is eligible for listing on the city historic building survey, appropriate environmental review has been completed in accordance with the California Environmental Quality Act, and the zoning administrator can make a finding of overriding consideration that the replacement project will have public benefits which will outweigh the impact of loss of the historic resource.**

It has been determined that the property does not qualify as a historic resource. Therefore, the above finding does not apply.

**<u>Lot Line Adjustment, Section 23.12.030.1</u>**

**35. The parcels resulting from the lot line adjustment will conform to the general plan, any applicable specific plan, any applicable coastal plan, zoning and building ordinances; and**

The lot line adjustment will combine two (2) existing parcels, bearing Assessor's Parcel Numbers 005-141-11 and 005-141-21, into a single lot. The parcel resulting from the lot line adjustment will enclose approximately 66,921 square feet, exceeding the minimum lot size of 5,000 square feet as established in Section 24.10.2305 of Title 24, Zoning, Part 24, Central Business District zone district, of the City of Santa Cruz Municipal Code. By combining the two parcels, the lot-line adjustment will form one lot of adequate size to facilitate development of a public facilities/commercial/ high-density residential mixed-use complex and encourage "appropriate transition in scale and use between the downtown and the adjacent residential neighborhoods and the civic center", conform to the Local Coastal Program to support greater intensity of residential development in the City's Downtown per Policies and Programs 2.7.7; and advance a project on a "local-serving street with a mixture of professional offices [and] support and convenience retail", which reinforces the overall pedestrian character of these areas "to preserve and enhance the informal 'village' qualities of the Cedar Street Corridor", while affording a strong pedestrian ambiance creating a more welcoming environment along the corridor and ensuring high quality of new buildings as advanced by the Downtown Plan.

**36. A greater number of parcels than originally existed are not created by the lot line adjustment.**

The lot line adjustment will combine two (2) contiguous parcels, as tabulated below, to result in one (1) merged parcel; therefore, no new parcels will be created as a result of the lot line adjustment.

| Parcel No. | Address | Recorded Map Designation | Existing Size | Proposed Size |
|---|---|---|---|---|
| 005-141-11 | 113 Lincoln Street | 966-M-302 (lot no. unspecified) | 6,882 square feet | 66,921 square feet |
| 005-141-21 | 119 Lincoln Street | 56-PM-05 (Parcel B) | 60,039 square feet | |

Submitted by:

Timothy Maier
Senior Planner

Approved by:

Samantha Haschert
Principal Planner

Exhibits:

1. Conditions of Approval
2. CEQA Notice of Exemption
3. Project Plans, prepared by TenOver Architects/Jayson Architecture, dated September 8, 2022, updated January 26, 2023
4. Financial Documentation prepared by Echelcon dated January 13, 2023
5. Environmental Checklist for Determination of CEQA Exemption and Class 32 Categorical Exemption Memo by Dudek, dated February 2023
6. Phase I Cultural Resources Inventory prepared Albion Environmental dated March 2022
7. Extended Phase I Archaeological Testing Report by Dudek dated November 2022
8. Phase II Archaeological Testing and Evaluation Report by Dudek dated January 2023
9. Noise Impact Analysis prepared by Salter dated February 6, 2023
10. Transportation Impact Study prepared by Kimley Horn dated January 31, 2022
11. Historic Evaluation prepared by PAST Consultants, LLC dated March 14, 2022
12. Arborist Report by Dryad, LLC dated January 18, 2022
13. Arborist Report Addendum by Dryad, LLC dated September 29, 2022
14. Arborist Report Addendum by Dryad, LLC dated December 19, 2022
15. Phase I/II Environmental Site Assessment by Weber, Hayes, and Associates dated September 22, 2022
16. Geotechnical evaluation prepared by Cornerstone Earth Group dated June 2, 2022
17. Stormwater Control Plan prepared by BKF Engineers dated September 8, 2022
18. Link to Parks and Recreation Commission Meeting of December 12, 2022, See Item Number 4: https://ecm.cityofsantacruz.com/OnBaseAgendaOnline/Meetings/ViewMeeting?id=1838&doctype=1#
19. Public correspondence
20. Public Noticing Radius Map

EXHIBIT "A"

CONDITIONS OF APPROVAL FOR THE PROJECT ON PROPERTY AT

# 113, 119 Lincoln St. - CP22-0128

Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, and Lot-Line Adjustment to demolish the existing surface parking lot and structures and construct the Library Mixed-Use/Affordable Housing Project, encompassing development of a new, approximately 273,194 sq. ft., eight-story building integrating a three-story, approximately 38,069 sq. ft. City library featuring two floors double-heighted with elevated ceilings; a three-story parking garage with 243 parking spaces; a five-story, 100% affordable housing component comprising 124 residential units; a three-story, approximately 9,598 sq. ft. commercial tenant space; a one-story, approximately 1,231 sq. ft. childcare facility with adjoining 674 square-foot outdoor play area; and new landscaping and associated site improvements on land located in the CBD/FP-O (Central Business District/Floodplain Overlay) zone districts

1. If one or more of the following conditions is not met with respect to all its terms, then this approval may be revoked.

2. All plans for future construction which are not covered by this review shall be submitted to the City Planning and Community Development Department for review and approval.

3. This permit shall be exercised within three (3) years of the date of final approval or it shall become null and void. When a building permit is required, a zoning permit shall be considered exercised following the issuance of a valid building permit. When only an occupancy permit is required, a zoning permit shall be considered exercised when the occupancy permit is issued.

4. If, upon exercise of this permit, this use is at any time determined by the Planning Commission to be incompatible with the surrounding neighborhood, revocation of, or amendment to, this permit by the City Council could occur.

5. The use shall meet the standards and shall be developed within limits established by Chapter 24.14 of the Santa Cruz Municipal Code as to the emission of noise, odor, smoke, dust, vibration, wastes, fumes or any public nuisance arising or occurring incidental to its establishment or operation.

6. The applicant shall be responsible for the completeness and accuracy of all forms and supporting material submitted in connection with any application. Any errors or discrepancies found therein may result in the revocation of any approval or permits issued in connection therewith.

7. All final working drawings shall be submitted to the Zoning Administrator for review and approval in conjunction with building permit application. The plans submitted for building permits shall have the same level of articulation, detailing, and dimensionality as shown in the approved plans. All approved exterior finishes and materials shall be clearly notated on the building permit plans.

8. The applicant and contractor who obtains a building permit for the project shall be required to sign the following statement at the bottom of these conditions, which will become conditions of the building permit:

   "I understand that the subject permit involves construction of a building (project) with an approved Design Permit. I intend to perform or supervise the performance of the work allowed by this permit in a manner which results in a finished building with the same level of detail, articulation, and dimensionality shown in the plans submitted for building permits. I hereby acknowledge that failure to construct the building as represented in the building permit plans, may result in delay of the inspections process and/or the mandatory reconstruction or alteration of any portion of the building that is not in substantial conformance with the approved plans, prior to continuation of inspections or the building final."

   _____

   Signature of Building Contractor Date

9. The development of the site shall be in substantial accordance with the approved plans submitted and on file in the Department of Planning and Community Development of the City of Santa Cruz. All aspects of construction must be completed prior to occupancy. Major modifications to plans or exceptions to completion may be granted only by the City authority which approved the project. All revisions to proposed exterior colors and/or materials must be submitted for review and approval by the Director of Planning and Community Development prior to submittal of application for Building Permit.

10. All refuse and recycling activities during construction shall be done in accordance with Chapter 6.12 of the Santa Cruz Municipal Code. Be aware that private companies offering refuse or debris box services are not allowed to operate within the City limits, except under certain limited circumstances detailed in Chapter 6.12.160.

11. All requirements of the Building, Fire, Public Works and Water Departments shall be completed prior to occupancy and continuously maintained thereafter.

12. Adequate provisions shall be made to supply water to each of the premises covered by this application. The design of water facilities shall be to standards of the Water Department, and plans therefore must be submitted to the Water Department Director for review and approval prior to the issuance of a building permit.

13. Future uses shall submit a disclosure statement for Zoning Administrator review prior to issuance of any occupancy permit regarding materials and chemicals to be used and disposed of from the site.

14. Plans submitted for building permit issuance shall include electric vehicle charging stations as required per Section 24.12.241 of the Zoning Ordinance.

15. Plans submitted for building permit issuance shall show all exterior site lighting locations and fixture details. All exterior building lighting shall be shielded and contained in a downward direction. No exterior lighting shall produce off-site glare.

16. Exterior site lighting shall be provided along pedestrian pathways and in the vehicle parking area. Security lighting shall be motion sensor only.

17. Landscape and irrigation plans shall be submitted at the time of the building permit application and will be reviewed by both the Planning Department and Water Department. The landscape and irrigation plans shall demonstrate compliance with all requirements of the City's Water-Efficient Landscaping Ordinance in Chapter 16.16 of the Santa Cruz Municipal Code prior to issuance of the building permit.

18. Turf is not permitted in new non-residential landscape projects.

19. All landscaping shall be installed prior to final utility release or issuance of occupancy permits.

20. Where feasible, all trees shall be a minimum 24-inch box size.

21. Bike parking shall be provided in accordance with Section 24.12.250-252 of the City's Zoning Ordinance.

22. All utilities and transformer boxes shall be placed underground in accordance with the provisions of Section 24.12.700 through 24.12.740 of the Zoning Ordinance.

23. A drainage plan shall be submitted in conjunction with application for building permits.

24. During all grading and subsurface excavations (including but not limited to grubbing, demolition, excavation, and utility-line trenching) an archaeologist and a Native American observer, authorized by the Planning Department, shall be present to collect and catalog any material uncovered. The cost for this service shall be paid by the applicant.

25. Prior to building or grading permit issuance or in any case any ground disturbance, including but not limited to grubbing, demolition, excavation, and utility-line trenching, the applicant shall submit a copy of a signed contract with a qualified archaeologist (based on the city's list of approved consultants or as previously authorized by the Planning Department) indicating that the archaeologist will be present on the site to observe and monitor all grading and subsurface excavations and that they will provide a follow-up letter to the Planning Department with the results of the monitoring.

26. Any person exercising a development permit or building permit who, at any time in the preparation for or process of excavating or otherwise disturbing earth, discovers any human remains of any age or any artifact or any other object which reasonably appears to be evidence of an archaeological/cultural resource or paleontological resource, shall:
    a. Immediately cease all further excavation, disturbance, and work on the project site;

b. Cause staking to be placed completely around the area of discovery by visible stakes not more than ten feet apart forming a circle having a radius of not less than one hundred feet from the point of discovery; provided, that such staking need not take place on adjoining property unless the owner of the adjoining property authorizes such staking;
c. Notify the Santa Cruz County sheriff-coroner and the city of Santa Cruz planning director of the discovery unless no human remains have been discovered, in which case the property owner shall notify only the planning director;
d. Grant permission to all duly authorized representatives of the sheriff-coroner and the planning director to enter onto the property and to take all actions consistent with this section.

27. An archaeologist, approved by the City, shall submit a reconnaissance report for the subject parcel prior to any grade-disturbing activity on the site.

28. Prior to building permit final, the approved project archaeologist shall provide a follow-up letter to the Planning Department confirming that they were present on the site to monitor all grading and subsurface excavations and the results of the monitoring. If the property owner fails to comply with the full extent of on-site monitoring requirements, the property owner shall be subject to the Archaeological Monitoring Non-compliance Guidelines which includes supplemental archaeological investigation and monetary administrative civil penalties which could delay final inspections and occupancy.

29. The plan for erosion control approved as part of this application shall be submitted and all work installed by November 1.

30. Plans submitted for building permits shall demonstrate compliance with Stormwater Best Management Practice (BMP) and Low Impact Development (LID) requirements for single family residential dwelling projects contained in "Chapter 6 of the Best Management Practices Manual for the City's Storm Water Management Program" dated October 2011. At a minimum, downspouts shall be disconnected from underground pipes or prohibited from directly flowing onto impervious surfaces and instead be redirected to landscaping or bioswales. Pervious walkway surfaces and driveways shall be installed where possible. Show all implemented LID measures on the plans.

31. Grading shall be done during periods of dry weather and protective measures shall be incorporated during grading to prevent siltation from any grading project halted due to rain.

32. Prior to site grading or any disturbance all trees and/or tree stands indicated for preservation or approved plans shall be protected through fencing or other approved barricade. Such fencing shall protect vegetation during construction and shall be installed to the satisfaction of the Director of Planning and Community Development.

33. Handicap access shall be provided in accordance with California Building Code.

34. All new mechanical equipment and appurtenances, including gas and water meters, electrical boxes, roof vents, air conditioners, antennas, etc. visible from the public way and from

adjacent properties, shall be screened with material compatible with the materials of the building and shall be subject to the approval of the Zoning Administrator.

35. Final colors shall be approved by the Zoning Administrator prior to application for building permits.

36. The applicant shall prepare a signage plan for the project and submit it for design permit review and approval before occupancy of structure.

37. Construction activity resulting in a land disturbance of one acre or more, or less than one acre but part of a larger common plan of development or sale must obtain the Construction Activities Storm Water General Permit (2009-0009-DWQ Permit). Construction activity includes clearing, grading, excavation, stockpiling, and reconstruction of existing facilities involving removal and replacement. Construction activity does not include routine maintenance such as, maintenance of original line and grade, hydraulic capacity, or original purpose of the facility.

38. The applicant shall be responsible for filing a Notice of Intent (NOI) with the State Regional Water Quality Control Board (RWQCB) and for developing a Storm Water Pollution Prevention Plan (SWPPP) prior to commencement of any soil disturbing activities at the site. Prior to issuance of a building permit, the applicant shall provide the City with proof of coverage under the state's Construction Activities Storm Water General Permit, including a copy of the letter of receipt and Waste Discharger Identification (WDID) number issued by the State Regional Water Quality Control Board (SWQCB) that acknowledges the property owner's submittal of a complete Notice of Intent (NOI) package.

39. The property owner and/or project applicant agree(s) as a condition and in consideration of the approval of this discretionary development permit that it will, pursuant to agreement and/or statutory provisions as applicable, including but not limited to Government code Section 66474.9, defend, indemnify and hold harmless the City of Santa Cruz or its agents, officials, officers and employees from any claim, action or proceeding against the City or its agents, officials, officers or employees to attack, set aside, void or annul this approval, which action is brought within the time period provided for under law, including but not limited to, Government Code Section 66499.37, as applicable. The property owner and/or project applicant will reimburse the City for any court costs and attorney's fees, which the City may be required by a court to pay as a result of such action. City may, at its sole discretion, participate in the defense of such action; but such participation shall not relieve the property owner and/or project applicant of these obligations under this condition. An agreement to this effect shall be recorded upon demand of the City Attorney or concurrent with the issuance of building permits, use of the property, filing of the final map, whichever occurs first and as applicable. The City shall promptly notify the property owner and/or project applicant of any such claim, action or proceeding and the City shall cooperate fully in the defense thereof. If the City fails to promptly notify the property owner and/or project applicant of any such claim, action or proceeding or fails to cooperate fully in the defense thereof, the property owner and/or project applicant shall not thereafter be responsible to defend, indemnify or hold the City harmless.

40. Prior to the issuance of a building permit, the applicant shall pay the Park and Recreation Facility Tax pursuant to Chapter 5.72 of the City of Santa Cruz Municipal Code based on the final building permit plans.

41. Prior to commercial/business use of a building or site, owners or tenants shall obtain a Zoning Clearance/Occupancy Permit from the City Planning Department and a Business License from the City Finance Department.

42. A new property description shall be recorded with the County Recorder's office and a copy of the recorded description provided to the City Planning Department. The deed(s) of conveyance must contain the following statement after the description of the property(ies) or portion(s) of property to be transferred:

43. "The purpose of the deed is to adjust the boundary between Assessor's Parcel Number 005-141-11 and Assessor's Parcel Number 005-141-21 as approved by the City of Santa Cruz under Application CP22-0118. This conveyance may not create a separate parcel, and is null and void unless the boundary is adjusted as stated."

44. Asbestos/Lead-Based Paint: Prior to demolition, testing shall be performed for presence of asbestos and lead based paint by EPA or CA state certified health inspectors. An application shall be submitted and approval shall then be obtained from Monterey Bay Air Resources District (MBARD) for the hazardous or other regulated material removal. An ASB application number through MBARD or release in the form of an email from MBARD shall be provided to the City of Santa Cruz Building and Safety Division prior to plan approval and permit issuance.

45. Building Division Compliance: Prior to issuance of any Building Permit, all necessary documents and plans shall be submitted demonstrating compliance with all requirements of the Building Division.

46. Fire Department Compliance: Prior to issuance of any Building Permit, all necessary documents and plans shall be submitted demonstrating compliance with all requirements of the Fire Department.

47. Water Engineering Compliance: Prior to issuance of any Building Permit, all necessary documents and plans shall be submitted demonstrating compliance with all requirements of the Water Engineering Division.

48. Green Building Compliance: At the time of building permit submittal, plan sets must provide for compliance with all regulations related to Green Building, including details demonstrating conformance with both 2019 CALGreen Mandatory Measures and City Green Building requirements. The Green Building Checklist must be allocated to its own plan sheet employing an adequately legible font size. Applicable measures listed in the checklists must be shown (material, method, or application) on the plan page where they are to be installed or implemented and indicated in the column provided in the checklist.

49. Construction Waste Management Plan: Prior to demolition permit issuance, a fully completed Construction Waste Management Plan for 65% minimum diversion rate must be submitted, and shall include diversion rates and methods for individual waste streams. The document is available at http://www.cityofsantacruz.com/home/showdocument?id=58142

50. Stormwater Management. Prior to issuance of Building Permit, a Storm Water Pollution Prevention Plan (SWPPP) must be submitted. Each residential unit will require compliance with Santa Cruz Green Building Program for Residential New Construction and Residential Mandatory Measures Chapter 4 of 2019 CALGreen using a Residential Green Building Checklist. Note: The city green building program points required scale with unit floor area. For the purposes of determining EV Charging Space compliance, the plans must clearly allocate parking spaces between residential and commercial use.

51. Outdoor Lighting: Outdoor lighting must demonstrate compliance with BUG rating limits in 2019 CALGreen 5.106.8 for Lighting Zone 3 for this development in the Outdoor Lighting Schedule in the building permit submission.

52. Bicycle Parking: Prior to issuance of Building Permit, details of proposed bicycle parking facilities, including identification of vendor and specification of dimensions and arrangement of interior layout with spacing for all bike parking proposed, must be submitted for review and approval by the Director of Public Works or authorized designee.

53. Manager's Unit(s): Plans submitted for Building Permit shall require designation of unit(s) as manager's residence(s).

54. Public Right-of-Way Improvements: Prior to Building Permit issuance, all required improvements to the public right-of-way, as determined by Public Works staff, must be included in the plans, including, but not limited to, the following:

    a. Sanitary Sewer Lateral: Plans submitted for Building Permit shall indicate the location of the sanitary sewer lateral. Lateral shall be SDR 26 from property line to the main per City standard lateral and trench details. Provide sewer cleanout capped with a popper in the sidewalk for sanitary sewer lateral per City standard detail. Include notes and City Standard Details 1 and 2 of 20 on the plans.
    b. Accessible Ramp. Plans submitted for Building Permit shall indicate the installation of ADA access ramps at the corners of Lincoln/Cedar and Cathcart/Cedar per City standard detail. Include notes and Caltrans Case C ramp on the plans.
    c. Sidewalk – Sidewalks will need to be consistent with the Downtown Plan for design and widths.
    d. Street Light (Standard) - Installation of 2 new LED street light on the property frontage of Cedar Street. per City standard detail. Indicate location on the plans and include notes and City Standard Detail 16 of 20.
    e. Street Lights (Decorative) – Installation of a new decorative LED street lights per the Downtown Plan on the property frontage of Lincoln Street per City standard detail. Include notes and City Standard Detail 17 of 20 on the plans.

f. Street Lights (Decorative) – Installation of a new decorative LED street lights per the Downtown Plan on the property frontage of Cathcart Street per City standard detail. Include notes and City Standard Detail 17 of 20 on the plans.
g. Catch Basins (Type A) – Upgrade of the 3 Type A catch basins surrounding the project to Type B catch basins per City standard detail. Include notes and City Standard Detail 6 of 20 on the plans.
h. Traffic Calming Device – Installation of a traffic calming island on Lincoln St. at the southeast corner. Should match existing island on the northeast corner of Lincoln St.
i. Street Tree (Tree Grate) – Trees in the Public right-of-way need to be placed in tree wells with tree grates and not in landscape strips. Provide a detail of the street tree installation, including a four-foot by four-foot tree well located at the back of curb, per City standard detail. A flood bubbler shall be installed from the existing irrigation system to irrigate the tree until established. Provide notes and City Standard Detail 19 of 20 in the plans.
j. Trash Enclosure (New) – Construction of a new trash enclosure that complies with all of the requirements of the "City of Santa Cruz Department of Public Works Refuse Container Storage Facility Standard Design Policy." The trash enclosure design shall include a roof to keep stormwater from leeching pollutants from the area where the containers are stored and to secure the area from unauthorized entry; a floor drain installed in the slab and connected to the sanitary sewer system; and a hose bib for the purpose of cleaning the interior of the structure. The final trash enclosure design shall be subject to review and approval by the Public Works Department.
k. Utility Locations – Illustration of locations of all existing and proposed underground utilities and points of connection for sewer lateral, gas, and water lines on the plans.
l. Utility Undergrounding - When providing new electrical service to a parcel, it shall be undergrounded. Indicate the location and the point of connection to the nearest Pacific Gas & Electric (PG&E) facility for the underground power to the property.

55. Payment of required fees: Prior to issuance of any building permit, payment of all necessary fees shall be made as applicable, including, but not limited to, the following:
    a. Traffic Impact Fee - A Traffic Impact Fee will be assessed by the Public Works Department and shall be paid prior to issuance of the building permit. Traffic Impact fee shall be based on approved Traffic Impact Analysis (TIA).
    b. Inspection Fee - An inspection fee of the estimated cost to construct the off-site improvements to be inspected shall be paid to the Public Works Department prior to the issuance of a building permit.
    c. Fair share of transportation improvements shall be paid as required in the Downtown Plan Amendment and evaluated in the approved TIA.
    d. Parking Fees – Parking In-Lieu Fees will be assessed at the design review application stage.

56. <u>Lot-Line Adjustment</u>: Prior to issuance of any Building permit, lot merger/lot-line adjustment must be recorded.

57. <u>Operations and Maintenance Plan (O&M Plan):</u> A final O&M Plan shall be submitted as part of the Building Permit application. The O&M Plan shall include at a minimum: 1) site plan showing the location of drainage structures and structural control measures; 2) O&M procedures, timing, and maintenance frequency for the LID features and drainage systems,

and include applicable BMPs from Chapter 6B of the City's Storm Water BMPs for Development Projects; 3) cost estimates for maintenance; and 4) BMPs for any Special Site Conditions (see pages 30-31), e.g. trash enclosure, parking, etc.

The O&M Plan shall be submitted in an 8 ½ x 11 inch report format, and can be included as a SWCP appendix. The signed Maintenance Agreement shall be included in the O&M Plan as an attachment.

58. Maintenance Agreement: Prior to issuance of the Building Permit, the property owner shall sign and submit a BMP maintenance agreement ensuring that they will provide long-term operation and maintenance of structural storm water control measures (see template in Appendix C of Chapter 6B Storm Water BMPs for Private and Public Development Projects). The signed maintenance agreement should be attached to the O&M Plan. Please email a pdf of the signed Maintenance Agreement to Suzanne Healy, Associate Planner, at: shealy@cityofsantacruz.com. The signed Maintenance Agreement with original ink signature may be submitted via the Building Counter.

    If applicable, the Maintenance Agreement shall be included in the HOA agreement and/or recorded in the CCRs with proof of CCR recordation submitted to the City. The O&M Plan shall be included or referenced in the CCRs as well.

59. Construction Dewatering Operations: Plans submitted must indicate whether dewatering or groundwater discharges are expected either during construction or post-construction/long-term for any of the below ground project components. If so, please inform the project planner and submit plans indicating whether there are any current or past site contamination issues.

60. State Construction General Permit: A Notice of Intent (NOI) must be filed with the State Water Resource Control Board (SWRCB) to obtain coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit) prior to commencing work. The applicant is responsible for filing a Notice of Intent and for developing a Storm Water Pollution Prevention Plan (SWPPP). Prior to issuance of a demolition, grading, or building permit, the applicant shall provide the City with proof of coverage under the State Construction General Permit, including a copy of the letter of receipt and Waste Discharger Identification (WDID) number issued by the SWRCB that acknowledges the property owner's submittal of a complete Notice of Intent (NOI) package. Please submit an electronic copy of the site's Storm Water Pollution Prevention Plan (SWPPP) submitted to the State. For information on the Construction General Permit, please see the State Water Board website: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml

61. Compliance with Recommendations of Project Reports/Technical Studies. At all times, the project applicant/property owner shall ensure compliance with all recommendations included in reports/technical studies related to natural resources, including, but not limited to, Phase I Cultural Resources Inventory prepared *Albion Environmental* dated March 2022 as may be amended by the Extended Phase I Archaeological Testing Report by *Dudek* dated November 22, 2022; Noise Impact Analysis prepared by *Salter* dated January 23, 2023; Transportation Impact Study prepared by *Kimley Horn* dated December 23, 2022; Historic Evaluation

prepared by *PAST Consultants, LLC* dated March 14, 2022; Geotechnical Investigation prepared by *Rock Solid Engineers, Inc*. dated September 22, 2022; Arborist Report by *Dryad, LLC* dated January 18, 2022; Arborist Report Addendum by *Dryad, LLC* dated September 29, 2022; Arborist Report Addendum by *Dryad, LLC* dated December 19, 2022; Phase I/II Environmental Site Assessment by *Weber, Hayes, and Associates* dated September 22, 2022; Geotechnical evaluation prepared by *Cornerstone Earth Group* dated June 2, 2022 ; Trip Generation Analysis prepared by *Hexagon Transportation Consultants* dated September 7, 2022; and Stormwater Control Plan prepared by *BKF Engineers* dated September 8, 2022.

62. Acoustic Evaluation. Prior to issuance of Building Permit, an acoustic analysis (noise report) must be prepared, demonstrating consistency of the proposed project design with General Plan Policy HZ3.2.3, and compliance with recommendations of the acoustic evaluation to ensure ongoing conformance with that General Plan Policy must be maintained at all times.

63. Affordable Housing: As applicable, the applicant shall comply with the inclusionary housing requirements set forth at SCMC Chapter 24.16 Part 1 and shall enter into and record an affordable housing development agreement prior to or concurrently with the final parcel map or final subdivision map approval, or prior to issuance of a building permit for any structure in the residential development, whichever occurs first. The affordable housing development agreement shall run with the land and bind all future owners and successors in interest. The agreement shall include a financing mechanism for all implementation and monitoring costs.

64. Trash Enclosure: Plans submitted for building permit shall include a new trash enclosure. The owner/applicant will be responsible to move out the refuse and recyclable containers to an identified location on the lower lot. The project will produce 6 cubic yards of refuse and 3 cubic yards of recyclables on a weekly basis. Future food waste requirements could require up to three 96 gallon carts in the future for program compliance. A floor drain shall be installed in the slab and connected to the sanitary sewer system; and a hose bib shall be installed for the purpose of cleaning the interior of the structure. The final trash enclosure design shall be shown in the plans submitted for building permit, and shall be subject to review and approval by the Public Works Department.

65. New Sanitary Sewer Connection: Plans submitted for building permit shall show a new sanitary sewer connection, which will be required to connect to the existing City Sanitary Sewer Manhole. A City Standard clean-out will be required.

66. Existing Sanitary Sewer Lateral(s): Plans submitted for building permit shall show the existing sanitary sewer lateral(s) abandoned at the City sewer main by method of mechanical plug or factory cap.

67. Compliance with Recommendations of Project Reports/Technical Studies: At all times, the project applicant/property owner shall ensure compliance with all recommendations included in reports/technical studies related to natural resources, including, but not limited to, the arborist report prepared by Kurt Fouts, Consulting Arborist, dated September 14, 2022; Preliminary Archaeological Reconnaissance Report prepared by Patricia Paramoure Archaeological Consulting dated August 25, 2022; Geotechnical Investigation prepared by Rock Solid Engineers, Inc. dated September 22, 2022; Historic Evaluation prepared by PAST

Consultants dated October 7, 2022; Trip Generation Analysis prepared by Hexagon Transportation Consultants dated September 7, 2022; and Preliminary Stormwater Treatment Facilities Operation and Maintenance Plan prepared by Ifland Engineers, Inc. dated October 2022.

68. County Health Services Agency – Environmental Health: Prior to issuance of Building Permit, compliance with all requirements of the County of Santa Cruz Health Services Agency, Department of Environmental Health, shall be fulfilled.

69. Santa Cruz Metropolitan Transit District: Prior to issuance of Building Permit, compliance with all requirements of the Santa Cruz Metropolitan Transit District, shall be fulfilled, including coordination regarding retention or relocation of existing infrastructure, including, but not limited to, existing bus stop(s).

70. WELO: Plans submitted for Building Permit must demonstrate compliance with the City's Water Efficient Landscape Ordinance (WELO) (Chapter 16.16 of the Santa Cruz Municipal Code).

71. Tree Removal: No Heritage Tree at the project site may be removed prior to issuance of a demolition permit, building permit, or grading permit.

72. Tree Replacement: A total of nine 24-inch box size replacement street trees will be installed around the proposed library building to replace the nine Heritage Trees to be removed to accommodate the proposed project. Additionally, City staff will plant 12 street trees, of 24-inch box size, at off-site locations within the City's downtown area. Locations and species shall be identified by the Parks & Recreation Department, consistent with the Downtown Plan and Approved Street Tree List. In total, 21 replacement street trees will be installed in the downtown area to offset the nine heritage trees currently proposed for removal at the library site. All such trees shall be planted prior to issuance of certificate of occupancy for any affordable housing unit.

CITY OF SANTA CRUZ

# Notice of Exemption

**To:** ☑ Clerk of the Board
County of Santa Cruz
Governmental Center
701 Ocean Street
Santa Cruz, CA 95060

☐ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

**From:** City of Santa Cruz, Planning and Community Development Department
809 Center Street, Room 101, Santa Cruz, CA 95060

**Project Title:** Downtown Library and Affordable Housing Project

**Project Address:** 113 and 119 Lincoln Street

**Assessor's Parcel No.:** 005-141-11 and 005-141-21

**Project Location:** City of: Santa Cruz – see Figure 1. **County of:** Santa Cruz

**Project Description:** The project consists of a Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, Lot-Line Adjustment, Sign Permit, and Heritage Tree Removal Permit to demolish one existing commercial building and surface parking lot and construct the Downtown Library and Affordable Housing Project (DLAHP). The project uses include a new, approximately 38,000-square-foot public library, 124 affordable housing units, a parking garage with up to 336 parking spaces, approximately 10,000 square feet of ground-floor commercial tenant space, an approximately 1,500-square-foot commercial childcare facility, and associated site improvements. The proposed project uses would be integrated within a new 273,194-square-foot building, which would range in height from three to eight stories at 50 to 84 feet tall, respectively. The proposed lot-line adjustment would merge the two existing site parcels into one lot. The project also includes a density bonus request as permitted pursuant to state and local regulations with one requested waiver and one incentive/concession to development standards.

**Name of Person or Agency Carrying Out Project:** City of Santa Cruz in partnership with For The Future Housing, Inc. and Eden Housing

**Name of Public Agency Approving Project:** City of Santa Cruz

**Exempt Status: (check one)**

_____ Ministerial Project (Section 21080(b)(1); 15268).

__✓__ Statutory Exemption (Code/Section 21083.3).

__✓__ Categorically Exempt (Section 15305 and Section 15332).

_____ Declared Emergency (Section 21080(b)(3); 15269(a)).

_____ Emergency Project (Section 21080(b)(4); 15269(b)(c)).

_____ The project clearly will not have a significant effect on the environment (15061(b)(3)).

**Reasons why project is exempt:** The project has been determined to be exempt from the California Environmental Quality Act (CEQA) under a Statutory Exemption pursuant to Public Resources Code Section 21083.3 and State CEQA Guidelines Section 15183 (Projects Consistent with General Plan, Community Plan or Zoning) and pursuant to CEQA Guidelines Sections 15305 (Categorical Exemption, Class 5, Minor Alterations in Land Use Limitations) and 15332 (Categorical Exemption, Class 32, Infill Development Projects) as explained below.

Statutory Exemption – Public Resources Code Section 21083.3. CEQA allows a lead agency to avoid repeating analyses that were already provided in a certified General Plan EIR for a development project that is consistent with the General Plan. Public Resources Code section 21083.3 and its parallel CEQA Guidelines provision, section 15183, provide for streamlined environmental review or exemption for projects consistent with the General Plan for which an EIR was certified. Pursuant to section 21083.3, subdivision (b), if a development project is consistent with the general plan for which an environmental impact report was certified, the application of CEQA shall be limited to effects on the environment which are "peculiar to the parcel or to the project" and which were not addressed as significant effects in the prior environmental impact report, or which substantial new information shows will be more significant than described in the prior environmental impact report. Subdivision (d) further indicates that an effect of a project upon the environment shall not be considered "peculiar to the parcel or to the project," "if uniformly applied development policies or standards" have been previously adopted by the city or county, with a finding based upon substantial evidence, that the development policies or standards will substantially mitigate that environmental effect when applied to future projects, unless substantial new information shows that the policies or standards would not substantially mitigate the environmental effect. CEQA Guidelines section 15183, subdivision (f), adds that "[w]here a city or county, in previously adopting uniformly applied development policies or standards for imposition on future projects, failed to make a finding as to whether such policies or standards would substantially mitigate the effects of future projects, the decision-making body of the city or county, prior to approving such a future project pursuant to this section, may hold a public hearing for the purpose of considering whether, as applied to the project, such standards or policies would substantially mitigate the effects of the project."

Under these provisions of CEQA, a project that is consistent with a General Plan that was adopted pursuant to a certified EIR, could be potentially partially or wholly exempt from CEQA.

Section 15183 of the State CEQA Guidelines provides further guidance related to Public Resources Code section 21083. Specifically, if a project is consistent with an agency's General Plan for which an EIR has been certified, the agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:

(1) Are peculiar to the project or the parcel on which the project would be located,

(2) Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent,

(3) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan or zoning action, or

(4) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to

have a more severe adverse impact than discussed in the prior EIR. (State CEQA Guidelines section 15183(b).)

CEQA Guidelines section 15183, subdivision (c) further provides that "if an impact is not peculiar to the parcel or to the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards,…, then an additional EIR need not be prepared for the project solely on the basis of that impact."

On June 26, 2012, the Santa Cruz City Council adopted the *General Plan 2030* after certifying an EIR for the plan. The General Plan 2030 EIR (April 2012) includes the Draft EIR volume (September 2011) and the Final EIR volume (April 2012). The General Plan EIR reviewed all of the topics included on the Appendix G Environmental Checklist in the State CEQA Guidelines. In addition the project is located within the *Downtown Plan* area, which was adopted as a specific plan (pursuant to California Government Code requirements) to implement General Plan policies in the downtown area. The Santa Cruz City Council approved amendments to the *Downtown Plan* in November 2017 after certifying an EIR for the Plan amendments. The certified Downtown Plan Amendments EIR (November 2017) includes the Draft EIR volume (July 2017) and the Final EIR volume (October 2017). Impacts arising from future development with the downtown area, potentially occurring as a result of amendments to the *Downtown Plan*, were addressed in this EIR, including aesthetics, air quality and greenhouse gas emissions, biological resources, cultural and tribal cultural resources, hydrology and water quality, public services, transportation and traffic, water and wastewater utilities, land use, and cumulative impacts.

As indicated above, pursuant to Public Resources Code section 21083.3, certain (or potentially all) aspects of a development project that are consistent with a General Plan for which an EIR was certified may be exempt from additional CEQA analyses (i.e., negative declaration, mitigated negative declaration, or EIR) of issues that were adequately covered in the General Plan EIR. The project site is designated Regional Visitor Commercial (RVC) in the City's *General Plan 2030* and is zoned Central Business District (CBD). Mixed-use development is strongly encouraged in areas designated RVC, and the General Plan further indicates that the *Downtown Plan* provides detailed requirements in the downtown area. The project uses are consistent with the General Plan land use designation and uses identified in the *Downtown Plan*. The General Plan allows a floor area ratio (FAR) for the Regional Visitor Commercial (RVC) land use designation in the downtown area of up to 5.0, and the project's proposed FAR is 4.08, which is within the allowed FAR established in the General Plan as amended in 2017. Thus, the proposed use is consistent with the General Plan 2030 for which an EIR was prepared and certified in June 2012, and meets the provisions of CEQA section 21083.3(b) with regards to project consistency with the City's adopted General Plan.

While the General Plan 2030 EIR and Downtown Plan Amendments EIR considered the impacts of repurposing, intensifying, and redeveloping existing developed parcels in the City as a whole, specific future development of the project site was not noted or specifically evaluated in the General Plan 2030 EIR, and there were no site-specific impacts identified for the project site. However, as part of the overall estimated buildout, the EIR considered construction of new housing units and non-residential uses in the City with an estimated buildout of 3,350 new residential units and approximately 1,090,000 and 1,274,000 square feet of commercial and office uses, respectively, uses throughout the City by the year 2030. Since adoption of the General Plan, approximately 2,390 residential units and 436,950 and 41,315 square feet of commercial and office space, respectively, have been constructed or approved throughout the City. Thus, the project's 124 affordable residential units and 46,050 square feet of non-residential uses would be within the

remaining residential and non-residential development estimates considered in the city-wide General Plan EIR impact analyses.

Potential future development in the downtown area considered in the General Plan 2030 EIR and Downtown Plan Amendments EIR analyses was estimated at approximately 1,350 housing units and approximately 205,050 square feet of non-residential commercial and office space. Since adoption of the *General Plan 2030*, approximately 1,200 residential units have been constructed or approved in the downtown area and would total 1,324 units with the project, which is slightly below the total number of residential units considered for development (1,347 units) in the General Plan 2030 and Downtown Plan Amendments EIRs. Additionally, with the project, constructed and approved non-residential development would result in a net increase of approximately 46,050 square feet, which is within development estimates analyzed in the General Plan and Downtown Plan Amendments EIRs.

Specific future development of the project site was not noted in the General Plan 2030 EIR or Downtown Plan Amendments EIR, and there were no site-specific impacts identified for the project site, although a new library at the project site was considered in the cumulative impact analyses in the Downtown Plan Amendments EIR. However, as indicated above, the project's residential and non-residential uses would be within the remaining residential and non-residential development estimates considered in the city-wide General Plan 2030 EIR impact analyses.

An "Environmental Checklist Review" was prepared and is on file with the City of Santa Cruz Planning and Community Development Department. The purpose of the checklist was to evaluate the impact categories covered in the City's certified General Plan 2030 EIR and Downtown Plan Amendments EIR to determine whether the project's impacts have been adequately analyzed in that EIR or whether any new significant impacts peculiar to the project or project site would result. Where an impact resulting from the project was adequately analyzed previously, the review provides a cross-reference to the pages in the General Plan and Downtown Plan Amendments EIRs where information and analysis may be found relative to the environmental issue listed under each topic. The Environmental Checklist also identifies whether the project involves new significant impacts or substantially more severe impacts than analyzed in the General Plan 2030 EIR and Downtown Plan Amendments EIR or new significant impacts not peculiar to the site or project. As indicated above, an impact would not be considered "peculiar" to the project or project site if uniformly applied development policies or standards will substantially mitigate an environmental effect. Therefore, the review includes mitigation measures identified in the General Plan EIR that would be applicable to the site or project and/or relevant uniformly applicable development policies or standards that will be applied to the project.

Based on this following review, it has been determined that the City's General Plan 2030 EIR has adequately addressed the following issues, and no further environmental review is required pursuant to Public Resources Code section 21083.3: aesthetics (scenic views, scenic resources, visual character); agricultural and forest resources; air quality (conflicts with Air Quality Management Plan, project emissions, sensitive receptors, odors); biological resources (special status species, riparian, wetland or other sensitive habitat, conflicts with plans); cultural resources (historical resources); energy; greenhouse gas emissions (conflict with plans); hazards/hazardous materials (use/disposal of hazardous materials, create hazard, airport safety, emergency response, wildfire hazards); hydrology-water quality (groundwater, flood risk, conflicts with plans); land use; mineral resources; noise and vibration; population and housing; public services; recreation;

transportation (conflicts with program, policy, design, emergency access); utilities (infrastructure, wastewater treatment, solid waste disposal); and wildfire.

The following site-specific impacts have been analyzed and determined to be less than significant due to substantial mitigation resulting from General Plan policies, zoning regulations and/or development standards that are uniformly applied to development projects throughout the City: aesthetics (light and glare); biological resources (nesting birds, conflicts with local tree ordinance); cultural resources (archaeological resources, human burials); geology and soils (seismic, geologic hazards, erosion, soils, paleontological resources); greenhouse gas emissions; hazards/hazardous materials (exposure to hazardous materials); hydrology/water quality (drainage and water quality); transportation (conflict with CEQA Guidelines); tribal cultural resources; utilities (water supply); and cumulative impacts. Thus, pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183, no further environmental analysis is required.

For reasons explained in the Environmental Checklist Review prepared for the project, the Planning Commission agreed with City staff's conclusion that the Project is wholly exempt from CEQA under section 21083.3 and CEQA Guidelines section 15183. The Environmental Checklist Review explained why the project does not create any impacts that are peculiar to the project or parcel. The document identifies numerous impacts that were sufficiently addressed in the General Plan 2030 EIR and Downtown Plan Amendments EIR. The remaining impacts can be substantially mitigated by the uniformly applied development policies and standards identified in the Checklist. The Planning Commission found that these policies and standards, as applied to the project, were effective in substantially mitigating these impacts.

Thus, pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183, no further environmental analysis is required.

<u>Categorial Exemption - CEQA Guidelines Sections 15305 and 15332</u>. CEQA provides several "categorical exemptions" which are applicable to categories of projects and activities that the Natural Resource Agency has determined generally do not pose a risk of significant impacts on the environment.

The Class 5 categorical exemption is for "minor alterations in land use limitations." Examples provided include minor lot line adjustments, side yard and setback variances, not resulting in the creation of any new parcel. The project includes a lot line adjustment to merge two existing site parcels into one lot. The lot line adjustment would not create a new parcel, but would result in one parcel instead of the two parcels that already exist. Furthermore, the project site is relatively flat with average slopes substantially less than 20% and would not result in any changes in land use or density, consistent with the requirements for this categorical exemption class.

The Class 32 categorical exemption is for "infill development" projects that meet the following criteria:

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations;

(b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses;

(c) The project site has no value as habitat for endangered, rare or threatened species;

(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality; and

(e) The site can be adequately served by all required utilities and public services.

The proposed project meets all of the foregoing criteria to claim the application of the infill exemption because, as explained in a Categorical Exemption Review memo and in the Environmental Checklist documenting the project's compliance with the Statutory Exemption under Public Resources Code section 21083.3, the project is consistent with the *General Plan 2030* land use designation and policies. With the exception of building height, City staff review has found the project consistent with zoning designations and regulations. However, one waiver and one incentive/concession regarding building height is requested as part of the density bonus request pursuant to provisions in state law. Therefore, the project is consistent with zoning regulations pursuant to provisions under the State Density Bonus law, which allow for waivers to the City's zoning regulations. Therefore, the project is consistent with the General Plan and zoning pursuant to subdivision (a) of section 15332.

The project site is located within City limits, is currently developed, and is surrounded by existing developed uses that are considered urban uses in the downtown area. The City meets definition of an urbanized area in the CEQA Guidelines as explained in the Categorical Exemption Review memo. The project site is 1.55 acres, which is less than the maximum five acres as required for this exemption under subdivision (b) of section 15332.

The project site is currently developed and surrounded by development. A review of potential special status species on the project site found that none are known and that the project site has no value as habitat for endangered, rare or threatened species under subdivision (c) of section 15332.

The project would not result in significant impacts related to traffic, noise, air quality or water quality, as explained in the Categorial Exemption Review memo, the Environmental Checklist supporting the determination of Statutory Exemption, and supporting technical studies. The project therefore meets the criteria set forth in subdivision (d) of section 15332 as summarized below. The project would not result in significant impacts related to traffic-transportation based on review with the City's adopted Vehicle Miles Traveled (VMT) threshold and Implementation Guidelines because the project location (within one-half mile of a major transit stop) and uses, including 100 percent affordable housing and community facilities, are screened from further review pursuant to City VMT guidelines. No significant impacts related to noise would result from project operations or construction as determined in a noise impact study. Air emissions modeling found that neither project construction nor operation would exceed adopted criteria air pollutant emissions thresholds, and the project would not result in conflicts with the Monterey Bay Air Resources District's adopted *Air Quality Management Plan*. The project is consistent with City regulations and requirements regarding stormwater management for construction and operation, and the project would not result in significant impacts to water quality.

The site can be adequately served by all required utilities and public services, as existing utility infrastructure already serves the project area and is sized sufficiently to serve the proposed use, meeting the criteria in subdivision (e) of section 15332.

The City has further considered whether the project is subject to any of the exceptions to the use of a categorical exemption found at CEQA Guidelines Section 15300.2. This section prohibits the use of categorical exemptions under the following circumstances:

(a) for certain classes of categorical exemptions (including Class 5 but not Class 32), due to locations with particularly sensitive environmental conditions;

(b) when the cumulative impact of successive projects of the same type in the same place, over time, is significant;

(c) where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances;

(d) where the project may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway;

(e) where the project is located on a state designated hazardous waste site; and

(f) where the project may cause a substantial adverse change in the significance of a historical resource.

Under CEQA Guidelines Section 15300.2(a), a categorical exemption for Classes 3, 4, 5, 6 and 11 is qualified by consideration of where the project is location – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. The consideration includes where the project may impact an environmental resource of "hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies." Section 15300.2(a) does not apply to the Class 32 category of projects. For purposes of the Class 5 exemption, the project site does not qualify as an environmental resource of hazardous or critical concern. Neither the City's *General Plan 2030* nor the *Downtown Plan*, or any state or federal regulatory document has precisely mapped and officially designated the site as such an environmental resource. Absent such a formal designation, the location exception cannot apply. (See, e.g., *Aptos Residents Assn. v. County of Santa Cruz* (2018) 20 Cal.App.5th 1039, 1052-1053; *Don't Cell Our Parks v. City of San Diego* (2018) 21 Cal.App.5th 338, 362-363.) Moreover, the site is already developed and has already been previously disturbed. Therefore, the Class 5 category of projects as applied to the project is not excluded on the basis of location on a site with particularly sensitive environmental conditions.

As explained in the Categorical Exemption Review memo, there is no evidence of a potential significant cumulative impact (section 15300.2(b)) because successive projects of the same type in the same place have not been approved and are not proposed. Additionally, there is no evidence to conclude that significant impacts would occur based on past project approvals in the surrounding area or that the proposed project's impacts are cumulatively considerable when evaluating any cumulative impacts associated with air quality, noise, transportation or water quality or cumulative impacts evaluated in the General Plan 2030 EIR and Downtown Plan Amendments EIR as a result of other approved projects in the surrounding area. Therefore, this exception does not apply.

The project would not result in any significant effects on the environment due to unusual circumstances (section 15300.2(c)). The project site's immediate area has similar General Plan and zoning designations as the project property. As explained in the Categorical Exemption Review memo, there are no "unusual circumstances" that differentiates the project and project site from the general class of similarly situated projects and project sites. For example, other properties in the surrounding area have developed or could develop a similar mixed-used project, utilizing waivers permitted under the provisions of the state and local density bonus laws.

The project site possesses no unusual features or environmental characteristics that distinguish it from other properties of the same size in the downtown area. There are numerous in-fill development sites in the downtown area that could similarly be redeveloped with a mixed-use project. There are at least six similar mixed-use projects that are currently under construction or approved in the downtown area on in-fill sites, some of which include surface parking lots similar to the project site; four of these projects have applied the in-fill development categorical exemption under CEQA. The size and density of the project do not represent unusual features or circumstances, as numerous other approved projects have similar or greater densities and size.

Additionally, there is no substantial evidence that the proposed project would result in a significant impact based on project reviews and technical studies conducted for the project as reviewed and summarized in the Categorical Exemption Review memo and the Environmental Checklist supporting the determination of Statutory Exemption. The project would result in a building height of 84 feet due to the waiver and incentive/concession required for qualifying projects that include density bonus units. While the project height is greater than other buildings in the immediate vicinity, there are other approved downtown mixed-use projects with similar heights. The additional height allowed by an approved waiver pursuant to the density bonus law would not be considered to conflict with zoning standards, and therefore would not be considered an unusual circumstance.

Furthermore, CEQA (Public Resources Code section 21099) states that aesthetic impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment, although design review would still be required pursuant to local City requirements and regulations. The project site is considered an infill site and also is located within a transit priority area.

Additionally, there is no substantial evidence that the proposed project would result in a significant impact due to unusual circumstances based on project reviews and technical studies conducted for the project as explained in the Categorical Exemption Review. For these reasons, the project would not result in any significant effects on the environment due to unusual circumstances, and exception (c) does not apply to the project.

The project will not result in damage to scenic resources within a scenic highway (section 15300.2(d)), as the site is not adjacent to or visible from a designated scenic highway. There are no designated state scenic highways within the City, and the project is not adjacent to the highways located in the City. Therefore, the project site is not located within or near a highway officially designated as a state scenic highway and would not result in damage to scenic resources within a state scenic highway. Thus, this exception does not apply to the project.

The site is not a state-designated hazardous waste site, and thus is not subject to the exception set forth in subdivision (e) of section 15300.2.

A historic evaluation performed for the project concluded that the existing building that is proposed for demolition is not listed or eligible for listing in the California Register of Historic Resources (CRHR), the National Register of Historic Places, or the City of Santa Cruz Historic Building Survey. Evaluation of artifacts found during archaeological testing concluded that they do not meet the criteria to be found eligible for listing in the CRHR or requirements under local criteria. Thus, the existing structure on the project site and discovered artifacts are not historical resources under the definition found in CEQA Guidelines section 15064.5, subdivision (a). Therefore, the project,

including demolition of an existing building, would not result in a substantial adverse change to the significance of a historic resource. The project is not subject to the exception set forth in subdivision (f) of section 15300.2.

For all of these reasons, the City is able to document that the project qualifies for the Categorical Exemption found at CEQA Guidelines sections 15305 and 15332 for infill development projects and minor alterations in land use limitations, respectively, and that none of the potential exceptions to the use of a categorical exemption, as set forth in CEQA Guidelines section 15300.2, apply to this project or the project site.

**Lead Agency**
**Contact Person:** Timothy Maier **Phone:** (831) 420-5129

**Department:** Planning & Community Development **Address:** 809 Center Street, Room 101
Santa Cruz, CA 95060

**Signature:** _____ **Date:**_____

☑ Signed by Lead Agency
☐ Signed by Applicant

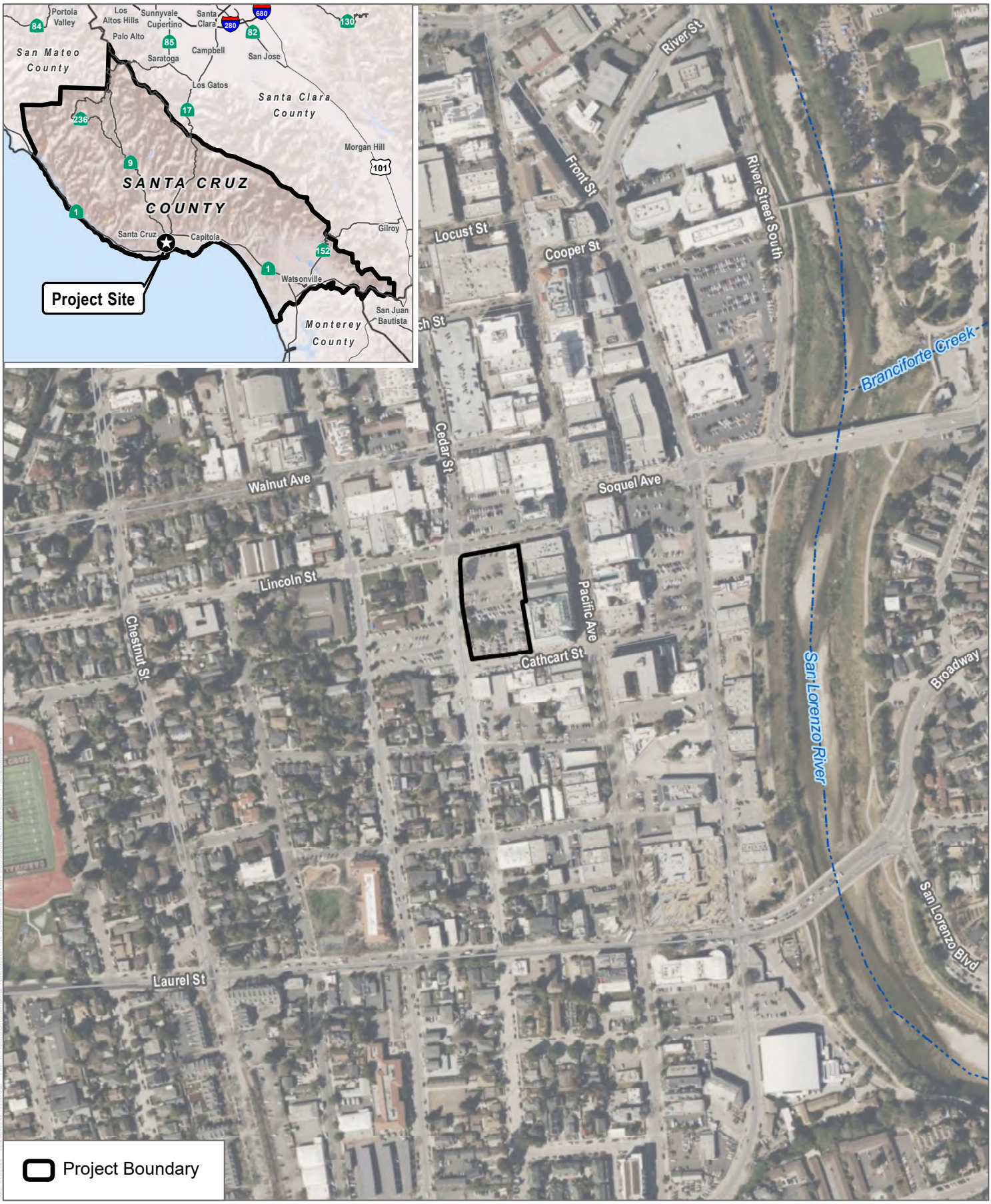
**Title:** Senior Planner

**If filed by applicant:**

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? ☐ Yes ☐ No

Date Received for filing at County Clerk: _____

Date Received for filing at OPR:




SOURCE: Bing Maps 2022, County of Santa Cruz 2020, OpenStreetMap

DUDEK

0 200 400 Feet

Project Location

Downtown Library and Affordable Housing Project

ENTITLEMENTS PACKAGE 09/08/22

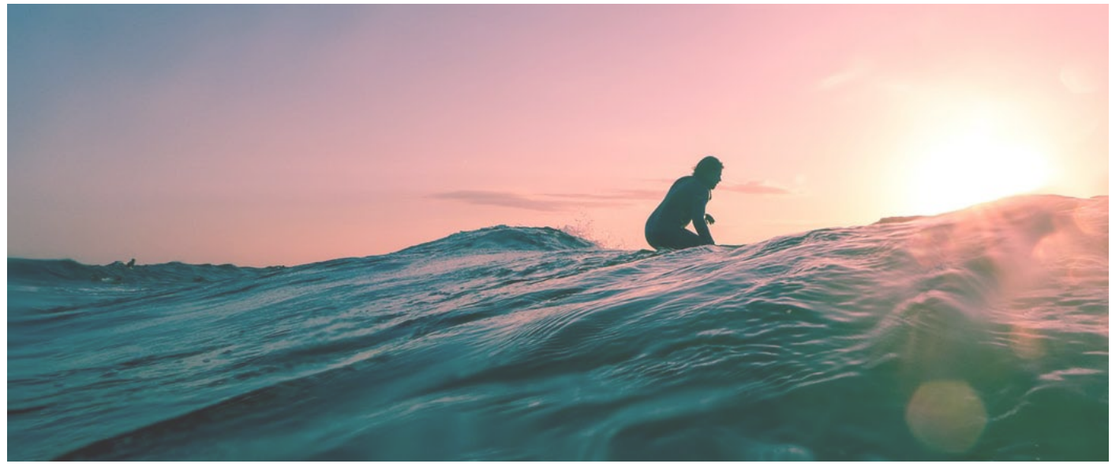
# 10 THE DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT

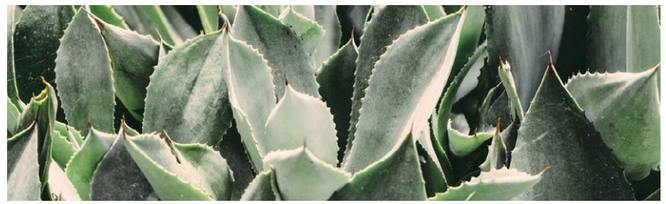
The proposed Downtown Santa Cruz Library and Affordable Housing Project delivers much needed affordable housing and provides a cultural hub embodying the spirit of Santa Cruz's diverse and creative community through a public library. The architecture speaks directly to the surrounding scale, form, and materiality of the downtown core while re-energizing the spirit of place through vibrancy and joy.

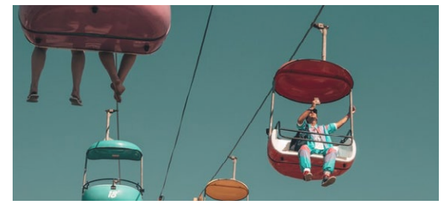
TEN10VER

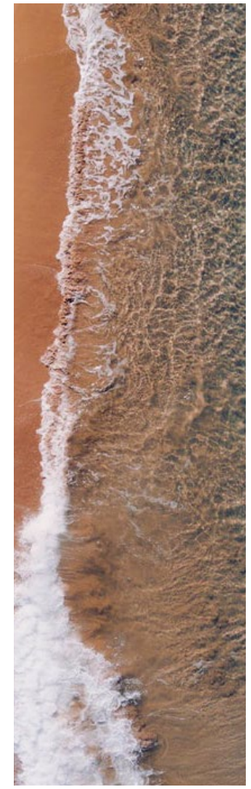
EDEN HOUSING

forthefuture HOUSING









# CONTACTS

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## PROJECT DESCRIPTION

The Downtown Library and Affordable Housing Project proposes a new 273,194 SF, 8-story building in the Cedar Street Village Corridor of Downtown Santa Cruz. The project site spans the full block between Lincoln and Cathcart Street. The primary use is an approx. 38,000 SF Public Library Facility with a main entrance at the mid-block point on Cedar, and a roof deck at the southwest corner of Cedar and Cathcart. A 16-child (minimum) Daycare is proposed immediately adjacent to the Library, with the outdoor play yard capitalizing on south and western light. Approximately 10,000 SF of commercial use is programmed for the three levels at the southwest corner below the Library roof deck with a 2-story presence at the sidewalk.

The eastern side of the project proposes a 243 stall parking garage with minimal frontage on the street facades on Cathcart and Lincoln St. The parking is three above grade levels. The parking will be a Public City Parking Facility with 24 hour access. Above the parking podium are 5 levels of residential units. The 124 units made up of studios, 1-bd, 2-bd, & 3-bd types are 100% affordable and will meet TCAC requirements for community gathering places, unit mix and accessibility.

Throughout the site, there are more than 250 bike parking locations proposed. These locations are spread throughout the site to accommodate varying bike parking needs. On the exterior, there are lockable locations along the sidewalk building entries, and additional stalls located within the public parking garage along the pedestrian entry corridor. In addition, there are separate, secured bike parking locations inside the parking garage for residential tenants and staff as well as library, daycare and commercial employees.

## PROGRAM TAKE-OFFS

| | |
|---|---|
| **LIBRARY GROSS SF** | 38,069 SF |
| **LIBRARY ROOFTOP PATIO SF** | 3,240 SF |
| **PARKING STALL COUNT** | 243 STALLS |
| **UNIT COUNT** | 124 |
| **DAYCARE NET SF** | 1,231 SF |
| **DAYCARE PLAY AREA NET SF** | 674 SF |
| **COMMERCIAL NET SF** | 9598 SF |

PROJECT LOCATION

## LAND USE REQUIREMENTS

| | | | | |
|---|---|---|---|---|
| **ADDRESS** | | 119 LINCOLN STREET, 600-698 CEDAR STREET | | |
| **APN** | | 005-141-11 & 21 | | |
| **GENERAL PLAN DESIGNATION** | | RVC- REGIONAL VISITOR COMMERCIAL | | |
| **ZONING** | | CBD (CENTRAL BUSINESS DRISTRICT) | | |
| **SPECIFIC AREA DESIGN GUIDELINES** | | CEDAR STREET VILLAGE CORRIDOR | | |
| **ENTITLEMENTS/USE PERMIT REQUIRED** | | ADMIN USE PERMIT & SPECIAL USE PERMIT | | |
| **LOT SIZE** | | 66921 SF | 1.54 ACRE | |
| **AFFORDABLE UNITS PROPOSED** | | 124 (100% AFFORDABLE) | | |
| **HEIGHT LIMIT** | *ALLOWABLE* | 50' | *PROPOSED* | 50'-0"/91'-0", 96' TO PENTHOUSE |
| **FAR** | *ALLOWABLE* | 0.25 - 5.0 | *PROPOSED* | 4.08 |
| **ADJACENT ZONES** | *NORTH* | CBD | | |
| | *EAST* | CBD | | |
| | *SOUTH* | CBD | | |
| | *WEST* | CBD | | |
| **SETBACKS** | *FRONT* | 0' | | |
| | *SIDE* | 0' | | |
| | *REAR* | 0' | | |
| **ALLOWED USES IN ZONE** | *PROPOSED USE* | MULTIPLE-DWELLING | "A" ADMIN. USE PERMIT, SPECIAL USE PERMIT > 60 UNITS | |
| | | STRUCTURED PARKING | "A" ADMIN. USE PERMIT | |
| | | FITNESS STUDIO | "A" ADMIN. USE PERMIT | |
| | | DAYCARE CENTER | "A" ADMIN. USE PERMIT | |
| | | COMMUNITY (LIBRARY) | "A" ADMIN. USE PERMIT, SPECIAL USE PERMIT > 16,000 SF | |

## GROSS BUILDING AREAS

| | USE | GROSS SF | |
|---|---|---|---|
| **FIRST FLOOR** | LIBRARY | 17,914 | |
| | COMMERCIAL | 1,888 | |
| | DAYCARE | 1,322 | |
| | PARKING GARAGE | 35,337 | |
| **TOTAL:** | | **56,461** | |
| **SECOND FLOOR** | LIBRARY | 0 | *INTERSTITIAL SPACE* |
| | COMMERCIAL | 4,117 | |
| | PARKING GARAGE | 35,337 | |
| **TOTAL:** | | **39,454** | |
| **THIRD FLOOR** | LIBRARY | 17,159 | |
| | COMMERCIAL | 5,945 | |
| | PARKING GARAGE | 35,337 | |
| **TOTAL:** | | **58,441** | |
| **FOURTH FLOOR** | LIBRARY | 2,996 | |
| | RESIDENTIAL | 23,240 | |
| **TOTAL:** | | **26,236** | |
| **FIFTH FLOOR** | RESIDENTIAL | 23,240 | |
| **TOTAL:** | | **23,240** | |
| **SIXTH FLOOR** | RESIDENTIAL | 23,240 | |
| **TOTAL:** | | **23,240** | |
| **SEVENTH FLOOR** | RESIDENTIAL | 23,061 | |
| **TOTAL:** | | **23,061** | |
| **EIGHTH FLOOR** | RESIDENTIAL | 23,061 | |
| **TOTAL:** | | **23,061** | |
| **GROSS BLDG TOTAL** | | **273,194** | |

## BICYCLE PARKING CALCULATIONS

| | TOTAL BIKE PARKING REQUIREMENT | BREAK UP OF TOTAL BETWEEN CLASS 1 & CLASS 2 | FACTOR | TOTAL REQ. | C1* REQ. | C2** REQ. |
|---|---|---|---|---|---|---|
| **LIBRARY** | | | | | | |
| COMMERCIAL | 35% AUTO PARKING | CLASS 1: 10%<br>CLASS 2: 90% | 95 PARKING STALLS (CALC'D FOR SAKE OF DETERMINING BIKE PARKING REQ.) | 34 | 3 | 31 |
| **MULTIFAMILY** | 1 SPACE PER UNIT | CLASS 1: 1 PER UNIT<br>CLASS 2: 1 PER 4 UNITS IN ADDITION TO CLASS 1 | 124 UNITS | 155 | 124 | 31 |
| **COMMERCIAL** | | | | | | |
| FITNESS & DAYCARE | 2 + 15% AUTO PARKING | CLASS 1: 20%<br>CLASS 2: 80% | 43 PARKING STALLS (CALC'D FOR SAKE OF DETERMINING BIKE PARKING REQ.) | 8 | 2 | 6 |
| | | | TOTAL REQUIRED | 197 | 129 | 68 |
| | | | **TOTAL PROVIDED** | **258** | **140** | **118** |

**CLASS 1 PARKING = INDIVIDUALLY LOCKED ENCLOSURE, WEATHER AND VANDALISM PROTECTED, SUPERVISED*
***CLASS 2 PARKING = STAND OR OTHER DEVICE TO LOCK BIKE WHEEL TO FRAME*

## PROVIDED VEHICLE & BIKE PARKING

| | |
|---|---|
| **TOTAL PROVIDED CAR PARKING** | **243** |
| TYPICAL STALLS (8'-6" x 19'-0") | 103 |
| TYPICAL STALLS - EV (8'-6" x 19'-0") | 13 |
| COMPACT STALLS (8'-6" x 16'-0") | 117 |
| ADA STALLS | 8 |
| EV ADA STALLS (TYP. & VAN) | 2 |

| **TOTAL PROVIDED BIKE PARKING** | **PROVIDED** | **REQUIRED** |
|---|---|---|
| | **258** | **197** |
| RESIDENTIAL CLASS I | 130 | 124 |
| RESIDENTIAL CLASS II | 52 | 31 |
| LIB/COM/DAYCARE CLASS I | 10 | 5 |
| LIB/COM/DAYCARE CLASS II | 66 | 37 |

## PARKING CALCULATIONS

***SITE IS IN DOWNTOWN PARKING DISTRICT NO. 1 AND PARKING REQUIREMENTS ARE DETERMINED BY CITY COUNCIL AT TIME OF APPLICATION.***

**PARKING CALC DONE IN ORDER TO CALCULATE REQUIRED BIKE PARKING**

| | *UNIT FACTOR* | *PARKING FACTOR* | *REQ'D OUTSIDE OF PARK. DISTR 01* | WITHIN PARK. DISTR 01 | **SPACES PROVIDED** |
|---|---|---|---|---|---|
| *RESIDENTIAL* | *13 S-BD + 48 1-BD* | *1 PER STUDIO/1-BD* | *61* | TBD | **0** |
| | *32 2-BD + 31 3-BD* | *2 PER 2+ UNIT* | *126* | TBD | **0** |
| *LIBRARY* | *38086 SF* | *1 PER 400 SF* | *95* | TBD | **0** |
| *FITNESS CENTER* | *9598 SF* | *1 PER 250 SF* | *38* | TBD | **0** |
| *DAYCARE* | *16 CHILDREN* | *1 PER 5 CHILDREN + 1 FOR MANAGER* | *5* | TBD | **0** |
| | | | | **PUBLIC PARKING GARAGE** | **243** |
| | | | | **TOTAL PROVIDED** | **243** |

**ADA & EV REQUIREMENTS OF THE PARKING PROVIDED**

**ADA SPACES**

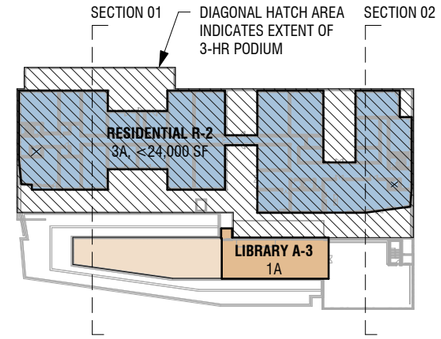
| **USE** | **# OF SPACES** | | **ADA REQUIRED** |
|---|---|---|---|
| COMMERCIAL | 243 | | 7 |
| RESIDENTIAL | *TBD* | | |
| | | **REQ'D TOTAL** | **7** |
| **PROVIDED TOTAL** | **8 TOTAL (5 TYP. ADA & 3 VAN)** | | |

**EV REQUIRED**

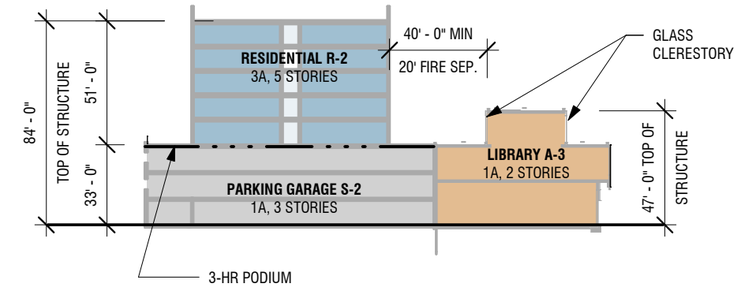
| **USE** | **# OF SPACES** | **EV FACTOR** | **EV REQUIRED** |
|---|---|---|---|
| COMMERCIAL | 243 | 6% OF SPACES | 15 |
| RESIDENTIAL | TBD | 12% OF SPACES | TBD |
| | | **REQ'D TOTAL** | **15** |
| **PROVIDED TOTAL** | **15 TOTAL (13 TYP. EV, 1 EV ADA, & 1 EV VAN)** | | |

# BUILDING CODE INFORMATION

| | |
|---|---|
| **OCCUPANCY** | MIXED OCCUPANCY, MULTI-STORY WITH THE FOLLOWING USES: A-3, M, S-2, R-2, E |
| **CONSTRUCTION TYPE:** | |
| **LIBRARY & COMMERCIAL & DAYCARE** | 1A |
| **GARAGE & BLDG SUPPORT** | 1A |
| **RESIDENTIAL** | 3A OVER 3-HR CONCRETE PODIUM FLOOR CONSTRUCTION |
| **STORIES PROPOSED** | 8 |
| **ALLOWABLE HEIGHT** | 85'-0" TO ROOF DECK |
| **PROPOSED HEIGHT** | 84'-0" FROM FINISH FLOOR TO ROOF DECK |
| **SPRINKLER SYSTEM** | NFPA 13 FULL BUILDING |

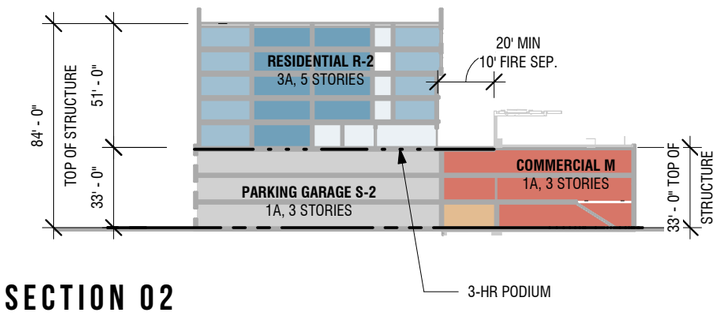



NOTE: ALL HEIGHTS ARE MEASURED FROM TOP OF SLAB




## SECTION 01

NOTE: ALL HEIGHTS ARE MEASURED FROM TOP OF SLAB




## SECTION 02

# ALLOWABLE BUILDING HEIGHT, STORIES & AREAS

**MIXED USE OCCUPANCIES - ALLOWABLE HEIGHT**

| | HEIGHT | STORIES | PROPOSED |
|---|---|---|---|
| A-3, TYPE IA, S | UL | UL | 2 STORIES, 47'-0" TO STRUCTURE |
| S-2, TYPE IA, S | UL | UL | 3 STORIES, 33'-0" TO STRUCTURE |
| R-2, TYPE IIIA, S | 85'-0" FROM GRADE (WITHOUT AREA INCREASE) | 5 (WITHOUT AREA INCREASE) | 5 STORIES, 51-0" ABOVE PODIUM / 84'-0" TO STRUCTURE |
| B/M, TYPE IA, S | UL | UL | 3 STORIES, 33'-0" TO STRUCTURE |
| E, TYPE IA, S | UL | UL | 1 STORY, 11'-0" TO STRUCTURE |

**FRONTAGE INCREASE QUALIFIER**

| PERIMETER (P) | WIDTH (W)* | LENGTH (F) ** | PERCENTAGE |
|---|---|---|---|
| 1,016 | >30 | 689.5 | 68% |

* OF OPEN SPACE/ PUBLIC WAY

**OF BUILDING ON PUBLIC WAY OR OPEN SPACE W/ MINIMUM 20' WIDTH

| | | | |
|---|---|---|---|
| *REQUIRED* | 25% | *ACTUAL* | 68% |
| *QUALIFIES* | YES | | |

**ALLOWABLE FRONTAGE INCREASE**

If= AREA FACTOR INCREASE DUE TO FRONTAGE
F= PERIMETER THAT FRONTS ON PUBLIC WAY
P= PERIMETER OF ENTIRE BUILDING
W= WIDTH OF PUBLIC WAY OR OPEN SPACE
If = (F/P-0.25)W/30

**If = (689.5/1016-0.25)30/30** **If =** **0.429**

**BUILDING AREA CALCULATIONS / FLOOR**

Aa= ALLOWABLE AREA
At= TABULAR AREA FACTOR
NS= TABULAR AREA FACTOR FOR NS BUILDING
If= AREA FACTOR INCREASE DUE TO FRONTAGE
Sa = 1 (DE FACTO NUMBER OF STORIES)

**PODIUM CODE REVIEW (SECTION 510.2)**

| | *CODE SECTION (IF APPLICABLE)* | *RELATION TO PROPOSED STRUCTURE* |
|---|---|---|
| CBC 510.2 | A BUILDING SHALL BE CONSIDERED AS SEPARATE AND DISTINCT BUILDINGS FOR THE PURPOSE OF DETERMINING AREA LIMITATIONS, CONTINUITY OF FIRE WALLS, LIMITATION OF NUMBER OF STORIES AND TYPE OF CONSTRUCTION WHERE THE FOLLOWING ARE MET: | *RESIDENTIAL TOWER IS CONSIDERED A SEPARATE BUILDING, COMPLYING WITH AREA (WITH FRONTAGE INCREASE)* |
| 1 | HORIZTONAL 3 HOUR ASSEMBLY, VERTICAL OFFSETS ALLOWED, BUT MUST ALSO BE 3-HR. | *3-HR CONCRETE PODIUM PROPOSED BETWEEN RESIDENTIAL TOWER AND PROGRAM BENEATH: GARAGE AND COMMERCIAL.* |
| 2 | THE BUILDING BELOW (INCLUDING THE HORIZONTAL ASSEMBLY) IS OF TYPE IA CONSTRUCTION | *ALL PROGRAM EXCEPT THE RESIDENTIAL IS TO BE 1A CONSTRUCTION.* |
| 3 | SHAFT, STAIRWAY, RAMP AND ESCALATOR ENCLOSURES THROUGH THE HORIZONTAL ASSEMBLY SHALL HAVE NOT LESS THAN A 2-HR FIRE RATING WITH OPENING PROTECTIVES. | *ALL STAIR TOWERS AND SHAFTS GOING THROUGH THE PODIUM CONSTRUCTION WILL BE OF A 2-HR RATED ENCLOSURE WITH OPENING PROTECTIVES.* |
| 4 | THE BUILDING ABOVE THE HORIZONTAL ASSEMBLY SHALL BE GROUP A (IF LESS THAN 300 OCCUPANTS), OR GROUP B, M, R OR S | *THE PROPOSED BUILDING ABOVE THE PODIUM IS TO BE R-2 WITH INCIDENTAL USES PERTAINING TO THE R-2 USE.* |
| 5 | THE BUILDING BELOW THE HORIZONTAL ASSEMBLY SHALL BE PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 AND CAN BE ANY OCCUPANCY EXCEPT H. | *THE ENTIRE STRUCTURE WILL BE FULLY SPRINKLERED WITH AN NFPA 13 SYSTEM, AND THERE WILL BE NO TYPE H OCCUPANCY PROPOSED.* |
| 6 | THE MAXIMUM BUILDING HEIGHT IN FEET SHALL NOT EXCEED THE LIMITS SET FORTH IN SECTION 504.3 FOR THE BUILDING HAVING THE SMALLER ALLOWABLE HEIGHT AS MEASURED FROM GRADE PLANE. | *AS OUTLINED HERE, THE SMALLEST ALLOWABLE HEIGHT FOR THE VARIOUS USES IS THE R-2 TYPE IIIA, 85'-0" (TAKING HEIGHT INCREASE). TOTAL BUILDING HEIGHT WILL BE 84'-0" FROM FINISH FLOOR TO TOP OF ROOF DECK.* |

**MIXED OCCUPANCY, MULTI-STORY**

*EQUATION 5-3* Aa = [At + (NS x If)]

| | | | |
|---|---|---|---|
| RES R-2, IIIA | Aa = [24000 + (24000 x .429)] | Aa= | 33984 / FLOOR |
| *ALLOWABLE/FLR* | 34287 | *LARGEST PROPOS'D* | 23240 |

**SEPARATED OCCUPANCIES & 3+ STORIES - ALLOWABLE AREA**

| | USE | ACTUAL AREA | ALLOWABLE AREA | RATIO |
|---|---|---|---|---|
| FIRST FLOOR | S-2, TYPE IA, S | 35338 | UNLIMITED | 0.00 |
| | A-3, TYPE IA, S | 18006 | UNLIMITED | 0.00 |
| | M, TYPE IA, S | 2035 | UNLIMITED | 0.00 |
| | E, TYPE IIIB, S | 1322 | UNLIMITED | 0.00 |
| | **TOTAL** | | | **0.00** |
| SECOND FLOOR | S-2, TYPE IA, S | 35338 | UNLIMITED | 0.00 |
| | A-3, TYPE IIIB, S | 0 | UNLIMITED | 0.00 |
| | M, TYPE IIIB, S | 4112 | UNLIMITED | 0.00 |
| | **TOTAL** | | | **0.00** |
| THIRD FLOOR | S-2, TYPE IA, S | 35338 | UNLIMITED | 0.00 |
| | A-3, TYPE IA, S | 17025 | UNLIMITED | 0.00 |
| | M, TYPE IA, S | 5946 | UNLIMITED | 0.00 |
| | **TOTAL** | | | **0.00** |
| | | | TOTAL | **0.00** |

*REQ'D RATIO* <=1 PER FLOOR, <=3 PER ENTIRE BUILDING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DATE: 09/08/22

**T1.2**

## AFFORDABLE HOUSING REQUIREMENTS

**TAX CREDIT REQUIREMENTS**

| TCAC AFFORDABLE UNITS REQ'D | #UNITS REQUIRED | #UNITS PROVIDED |
|---|---|---|
| 25% 3-BEDS MIN. 900 SF* | 31 | 31 |
| 25% 2-BEDS MIN. 700 SF* | 31 | 31 |
| REMAINING 1-BEDS MIN. 450 SF* | | 48 |
| REMAINING STUDIOS MIN. 450 SF* | | 13 |
| 15% 11B MOBILITY IMPAIRED | 19 | 20 (5 3-BD, 5 2-BD, 8 1-BD, 2 STUDIO) |
| 10% 11B COMMUNICATION | 13 | 20 (5 3-BD, 5 2-BD, 8 1-BD, 2 STUDIO) |

*SEE "UNIT TYPES" ON THIS SHEET FOR TOTAL NUMBER AND SIZE OF UNITS AS WELL AS LOCATION OF ALL MOBILITY & COMMUNICATION UNITS.

| TCAC AMENITIES | MIN. SF / FACTOR | # / SF |
|---|---|---|
| COMMUNITY ROOM | 1,800 SF | 2,000 SF (COMMUNITY ROOM + LOUNGE) |
| LAUNDRY* | 1 PER 10 UNITS | 13W, 13D* |
| PLAY AREA FOR AGES 2-12 | 600 SF + 5 SF FOR EACH ADD. UNIT OVER 100 (600 + 120 = 720 SF MIN) | 970 SF |
| PLAY AREA FOR AGES 13-17 | **INCLUDED IN COMMUNITY SPACE | |

* (12) SETS OF WASHERS & DRYERS ARE STACKED, (1) SET IS SIDE-BY-SIDE FOR ACCESSIBILITY REACH RANGE COMPLIANCE

**SQUARE FOOTAGE IS ACCOMMODATED WITHIN THE COMMUNITY AREA AND WILL BE ACCESSIBLE TO MINORS FROM 6 AM TO 10 PM EXCEPT WHEN THE AREA IS RESERVED FOR SERVICE AMENITIES OR SPECIAL EVENTS.

## UNIT AREA TABULATION

| UNIT TYPE | BED # | NET SF | DECK SF | N. GROSS | COUNT | TL NET | TL DECK | TL GROSS | TL BEDS |
|---|---|---|---|---|---|---|---|---|---|
| S-1 | STUDIO | 456 | -- | -- | 10 | 4560 | -- | -- | 0 |
| S-2 | STUDIO | 344 | -- | -- | 1 | 344 | -- | -- | 0 |
| S-3 | STUDIO | 473 | -- | -- | 2 | 946 | -- | -- | 0 |
| 1-1 | 1 | 455 | -- | -- | 38 | 17290 | -- | -- | 38 |
| 1-2 | 1 | 512 | -- | -- | 5 | 2560 | -- | -- | 5 |
| 1-3 | 1 | 509 | -- | -- | 3 | 1527 | -- | -- | 3 |
| 1-4 | 1 | 507 | -- | -- | 2 | 1014 | -- | -- | 2 |
| 2-1 | 2 | 742 | -- | -- | 20 | 14840 | -- | -- | 40 |
| 2-2 | 2 | 730 | -- | -- | 5 | 3650 | -- | -- | 10 |
| 2-3 | 2 | 819 | -- | -- | 3 | 2457 | -- | -- | 6 |
| 2-4 | 2 | 729 | -- | -- | 2 | 1458 | -- | -- | 4 |
| 2-5 | 2 | 844 | -- | -- | 2 | 1688 | -- | -- | 4 |
| 3-1 | 3 | 909 | -- | -- | 15 | 13635 | -- | -- | 45 |
| 3-2 | 3 | 957 | -- | -- | 5 | 4785 | -- | -- | 15 |
| 3-3 | 3 | 932 | -- | -- | 5 | 4660 | -- | -- | 15 |
| 3-4 | 3 | 902 | -- | -- | 2 | 1804 | -- | -- | 6 |
| 3-5 | 3 | 907 | -- | -- | 2 | 1814 | -- | -- | 6 |
| 3-6 | 3 | 950 | -- | -- | 2 | 1900 | -- | -- | 6 |
| **TOTAL** | | | | | **124** | **80932** | **TBD** | **TBD** | **205** |

**AVERAGE NET UNIT SIZE:** **653**

**AVERAGE GROSS UNIT SIZE:** **--**

## UNIT COUNT: TYPE

**TOTAL UNITS**

| | | | |
|---|---|---|---|
| **TOTAL # UNITS:** | **124** | **% OF TOTAL UNITS PROPOSED** | |
| STUDIO: | 13 | 10.5% | |
| 1BD: | 48 | 38.7% | |
| 2BD: | 31 | 25.0% | (MIN 25% REQ'D) |
| MANAGER (2-BD) | 1 | 0.8% | |
| 3BD: | 31 | 25.0% | (MIN 25% REQ'D) |

| | STUDIO | 1-BD | 2-BD | 3-BD | MGR | TOTAL |
|---|---|---|---|---|---|---|
| **FOURTH FLOOR** | 3 | 6 | 5 | 5 | 1 | 20 |
| **FIFTH FLOOR** | 2 | 11 | 7 | 6 | | 26 |
| **SIXTH FLOOR** | 2 | 11 | 7 | 6 | | 26 |
| **SEVENTH FLOOR** | 3 | 10 | 6 | 7 | | 26 |
| **EIGHTH FLOOR** | 3 | 10 | 6 | 7 | | 26 |
| **TOTAL** | **13** | **48** | **31** | **31** | 1 | **124** |

## ACCESSIBLITY & COMMUNICATION

| | | | |
|---|---|---|---|
| **TOTAL # UNITS:** | **124** | **% OF TOTAL UNITS PROPOSED** | |
| MOBILITY (11B ACCESSIBLE) : | 20 | 16% | (MIN 15% REQ'D) |
| COMMUNICATION: | 20 | 16% | (MIN 10% REQ'D) |

| | MOBILITY (11B) | COMMUNICATION |
|---|---|---|
| **FOURTH FLOOR** | 4 | 4 |
| **FIFTH FLOOR** | 4 | 4 |
| **SIXTH FLOOR** | 4 | 4 |
| **SEVENTH FLOOR** | 4 | 4 |
| **EIGHTH FLOOR** | 4 | 4 |
| **TOTAL** | **20** | **20** |

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T2.0

VIEW FROM ADJACENT PARKING AT CEDAR STREET

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T2.1

ELEVATION ALONG CEDAR STREET

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T2.3

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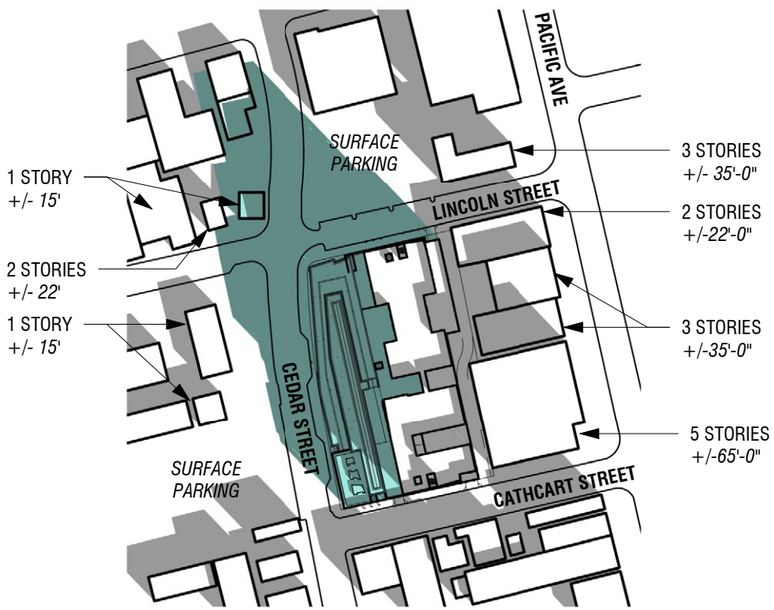
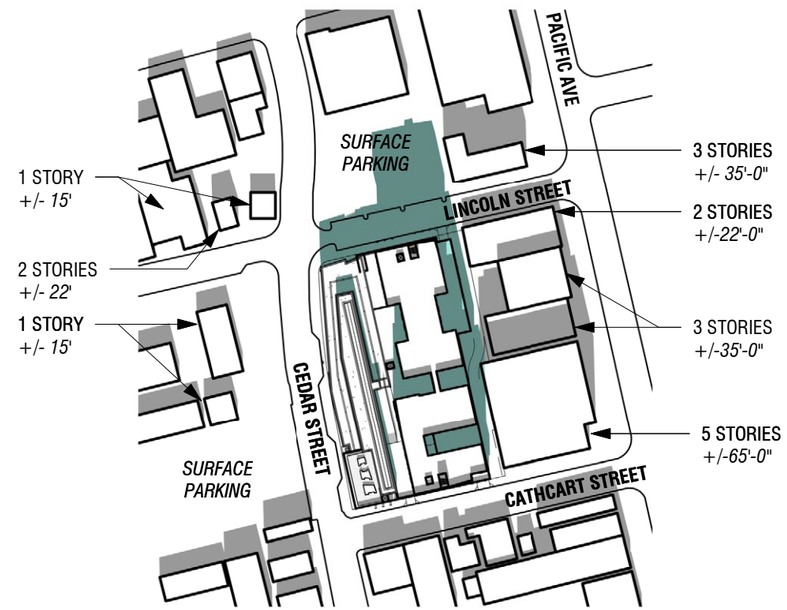
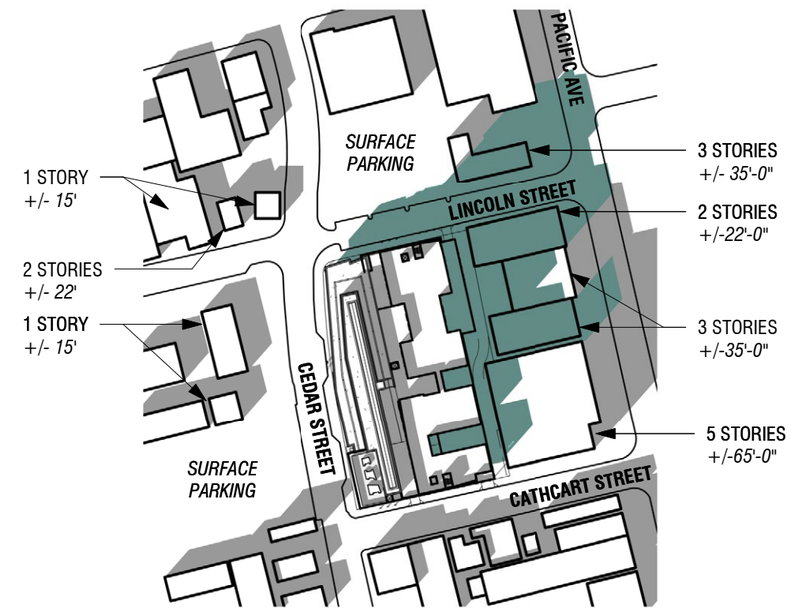
T2.4




WINTER SOLSTICE @ 9 AM




WINTER SOLSTICE @ 12 PM




WINTER SOLSTICE @ 3 PM

N

## SOLAR SHADING STUDY

*SCALE: N.T.S.*

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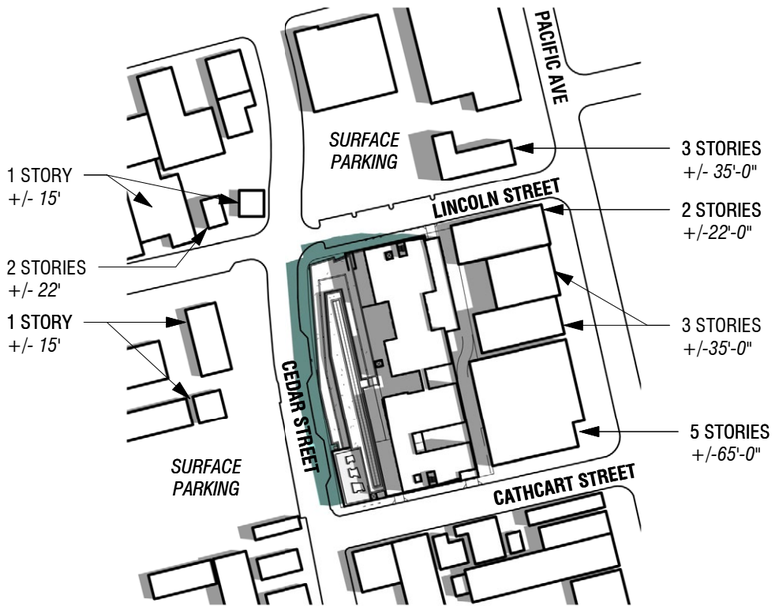
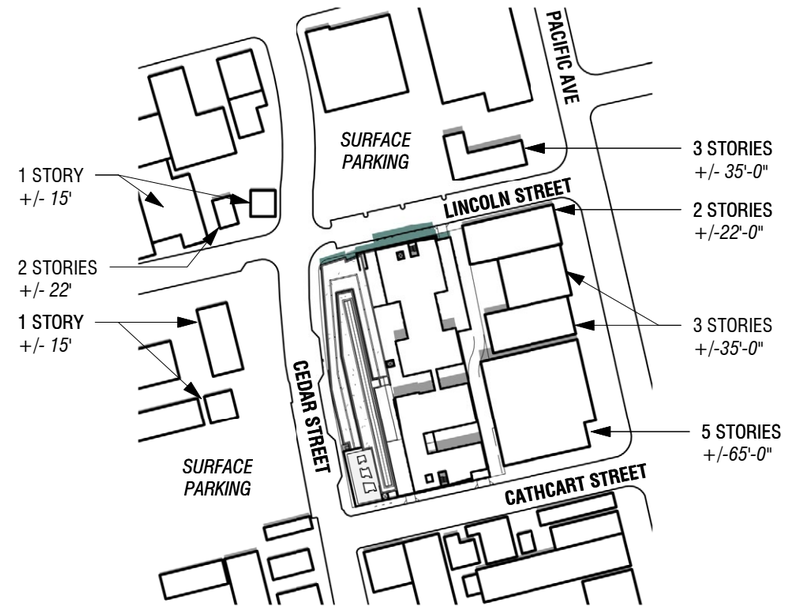
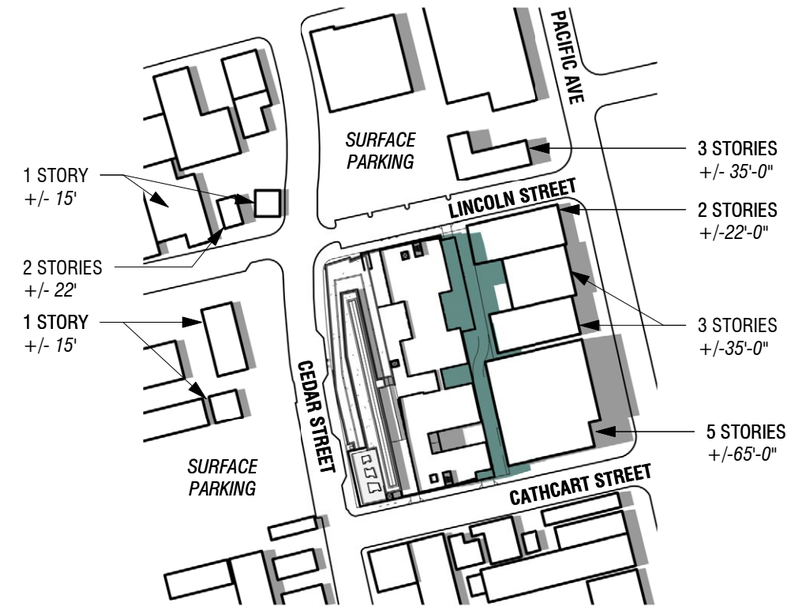
T3.1




SUMMER SOLSTICE @ 9 AM




SUMMER SOLSTICE @ 12 PM




SUMMER SOLSTICE @ 3 PM

N

## SOLAR SHADING STUDY

*SCALE: N.T.S.*

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T3.2

## Basis of Bearings

THE BASIS OF BEARINGS FOR THIS SURVEY IS BETWEEN MONUMENTS DT-4 AND DT-6, FOUND ALONG THE CEDAR STREET, AS SHOWN ON THAT MAP FILED IN VOLUME 86 OF MAPS, AT PAGE 61, SANTA CRUZ COUNTY RECORDS.

BASIS OF BEARINGS = S05°54'47"E
(CALCULATED BEARING BETWEEN COORDINATE VALUES OF DT-4, DT-6).

## Benchmark

THE BENCHMARK FOR THIS SURVEY IS CITY OF SANTA CRUZ BENCHMARK E4-21, WHICH IS A 7/8" BRASS TAG, LOCATED AT TOP OF CURB ON CENTER STREET, OPPOSITE OF NEW STREET.

BENCHMARK ELEVATION = 13.029' (NAVD88)

## Legend

- MONUMENT FOUND AS NOTED
- SAN. SEWER MANHOLE
- STORM DRAIN MANHOLE
- ACCESSIBLE PARKING
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- BENCHMARK
- STORM DRAIN INLET
- STREET SIGN
- DOUBLE SIDED STREET SIGN
- TRAFFIC SIGNAL BOX
- LIGHT STANDARD
- SAN. SEWER CLEANOUT
- UTILITY POLE
- GAS METER
- GAS VALVE
- ( ) INDICATES RECORD DATA
- ( R ) INDICATES RADIAL BEARING
- R&C RECORD & CALCULATED DATA
- INV. INVERT ELEVATION
- UTILITY VALVE BOX
- BOLLARD
- PARKING METER
- ELECTROLIER
- ELECTRICAL BOX
- STREET LIGHT BOX
- BUILDING OVERHANG, OR AWNING
- BUILDING FOOTPRINT
- SANITARY SEWER LINE
- STORM DRAIN LINE
- OVERHEAD UTILITY LINE
- PROPERTY BOUNDARY
- CONTOUR LINE
- TREE DRIPLINE
- WALL
- FLOWLINE
- 350.0' SPOT ELEVATION DERIVED FROM AERIAL PHOGRAMMETRY AND/OR 3D MOBILE LIDAR DATA.
- 350.0' SPOT ELEVATION FROM CONVENTIONAL GROUND SURVEY

ALL DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.

16' 0' 8' 16' 32'
GRAPHIC SCALE: 1 INCH = 16 FEET

REVISIONS

APPROVED

IFLAND SURVEY
Surveying - Mapping - GPS
5300 Soquel Avenue, Suite 101 - Santa Cruz, CA 95062
Tel 831-426-3141 | Fax 831-426-0565

Record Boundary and Topographic Survey:
Santa Cruz Library Mixed Use Project
600-698 Cedar Street, Santa Cruz, CA

PREPARED AT THE REQUEST OF IFLAND ENGINEERS

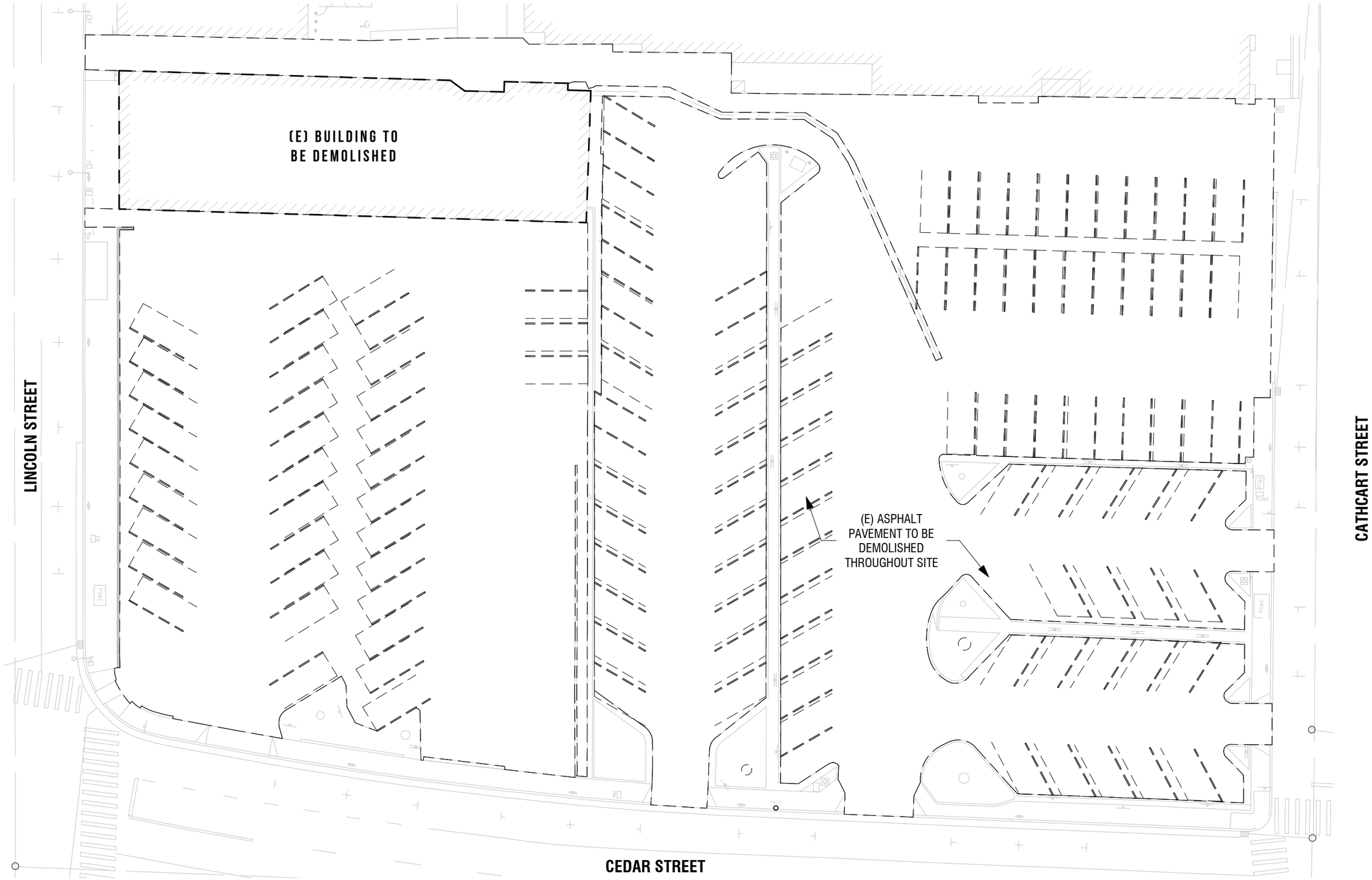
DATE 02/04/22
SCALE 1"=16'
DRAWN VCL

SHEET 1 OF 1 SHEETS

JOB NO. G22002

## SITE SURVEY

*SCALE: N.T.S.*




## SITE DEMO PLAN

*SCALE: 1" = 30'-0"*

TEN10VER
539 Marsh Street
San Luis Obispo, CA
805.541.1010
info@tenoverstudio.com

forthefuture HOUSING

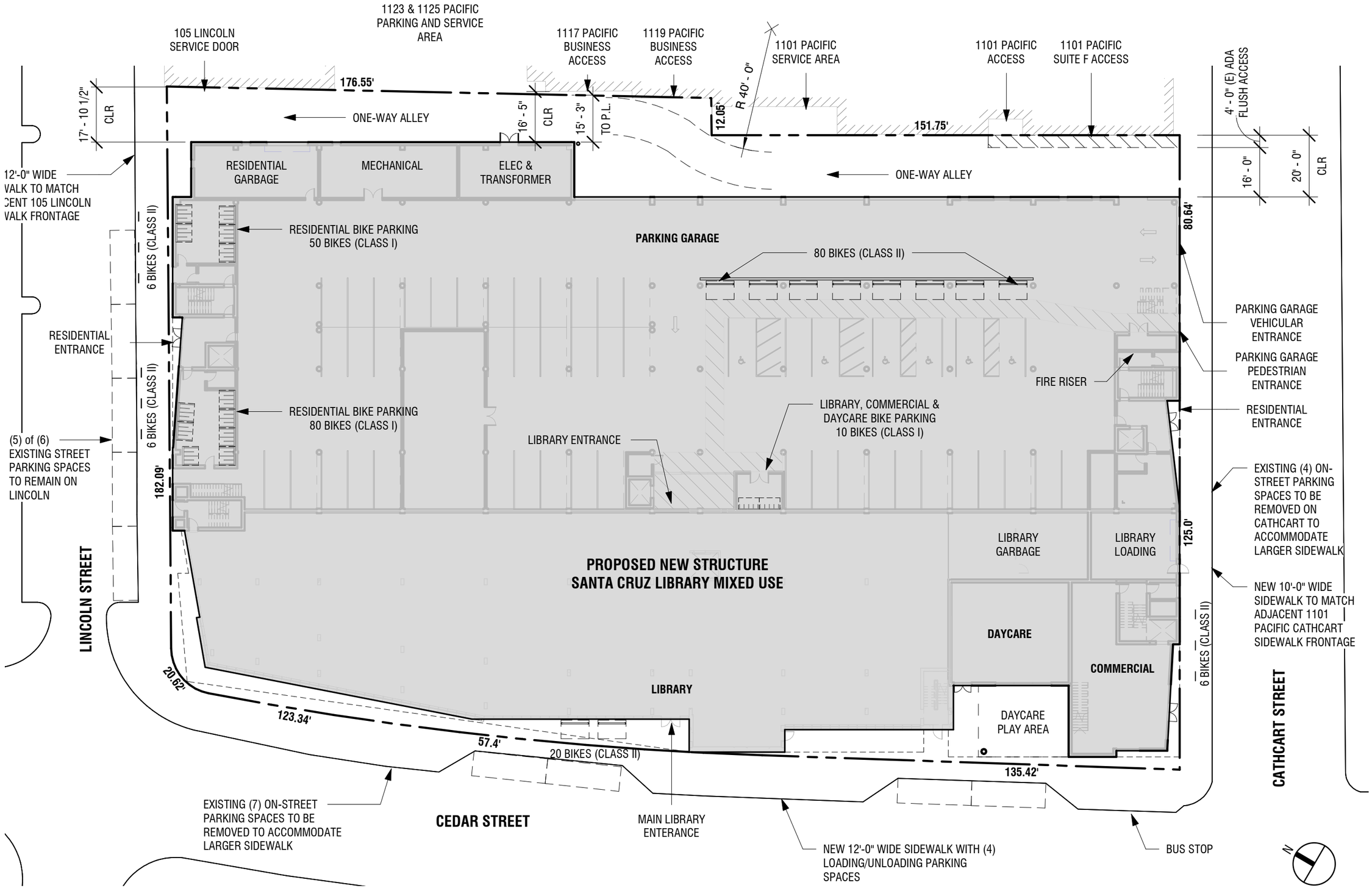
EDEN HOUSING



**DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT**

SANTA CRUZ, CA
DATE: 09/08/22

**A1.1**




## SITE PLAN

*SCALE: 1" = 50'-0"*

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DATE: 09/08/22

**A1.2**

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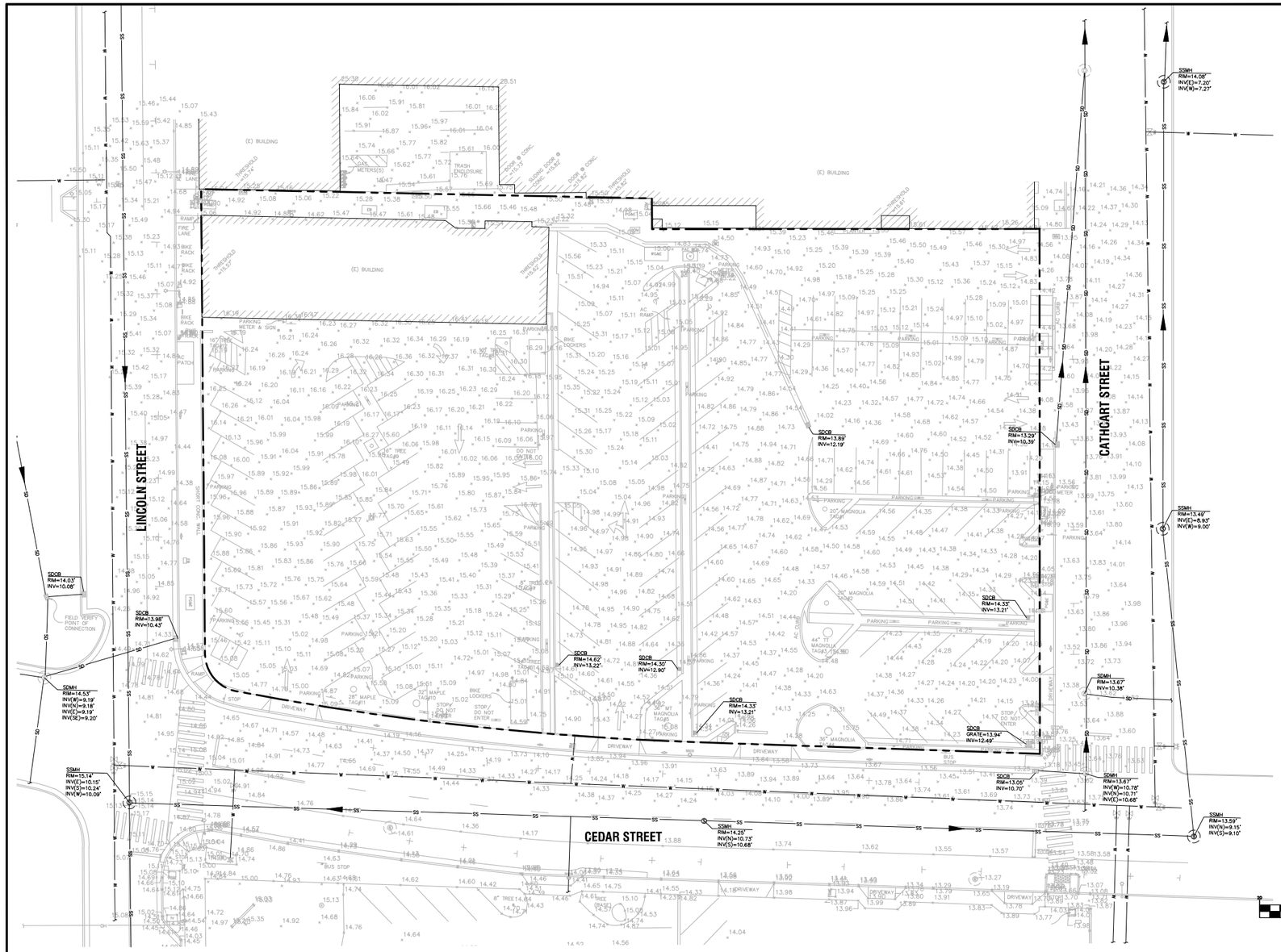


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| SANITARY SEWER | SS |
| STORM DRAIN | SD |
| WATER | W |
| VALLEY GUTTER | |
| VERTICAL CURB | |
| CURB AND GUTTER | |
| SANITARY SEWER MANHOLE | SSMH |
| STORM DRAIN MANHOLE | SDMH |
| COMMUNICATION MANHOLE | |
| SANITARY SEWER CLEANOUT | |
| WATER VALVE | |
| WATER METER | |
| FIRE HYDRANT | |
| STORM DRAIN CATCH BASIN | SDCB |
| STREET SIGN | |
| PARKING METER | |
| ELECTRICAL BOX | |
| STREET LIGHT BOX | |
| GAS METER | |
| GAS VALVE | |
| STREETLIGHT POLE | |

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# SANTA CRUZ LIBRARY MIXED USE
# EXISTING CONDITIONS

SANTA CRUZ COUNTY

SANTA CRUZ CALIFORNIA

| No. | Revisions |
|---|---|
| | |

Date 09/08/2022
Scale 1" = 20'
Design AA
Drawn DS
Approved JM
Job No 3201922

Sheet Number:
C1.0

DRAWING NAME: K:\2021\210922_Santa_Cruz_Library_MU\ENG\PLANNING\SHEETS\C1.0 EX COND.dwg
PLOT DATE: 09-08-22 PLOTTED BY: anew

## EXISTING CONDITIONS

*SCALE: N.T.S.*

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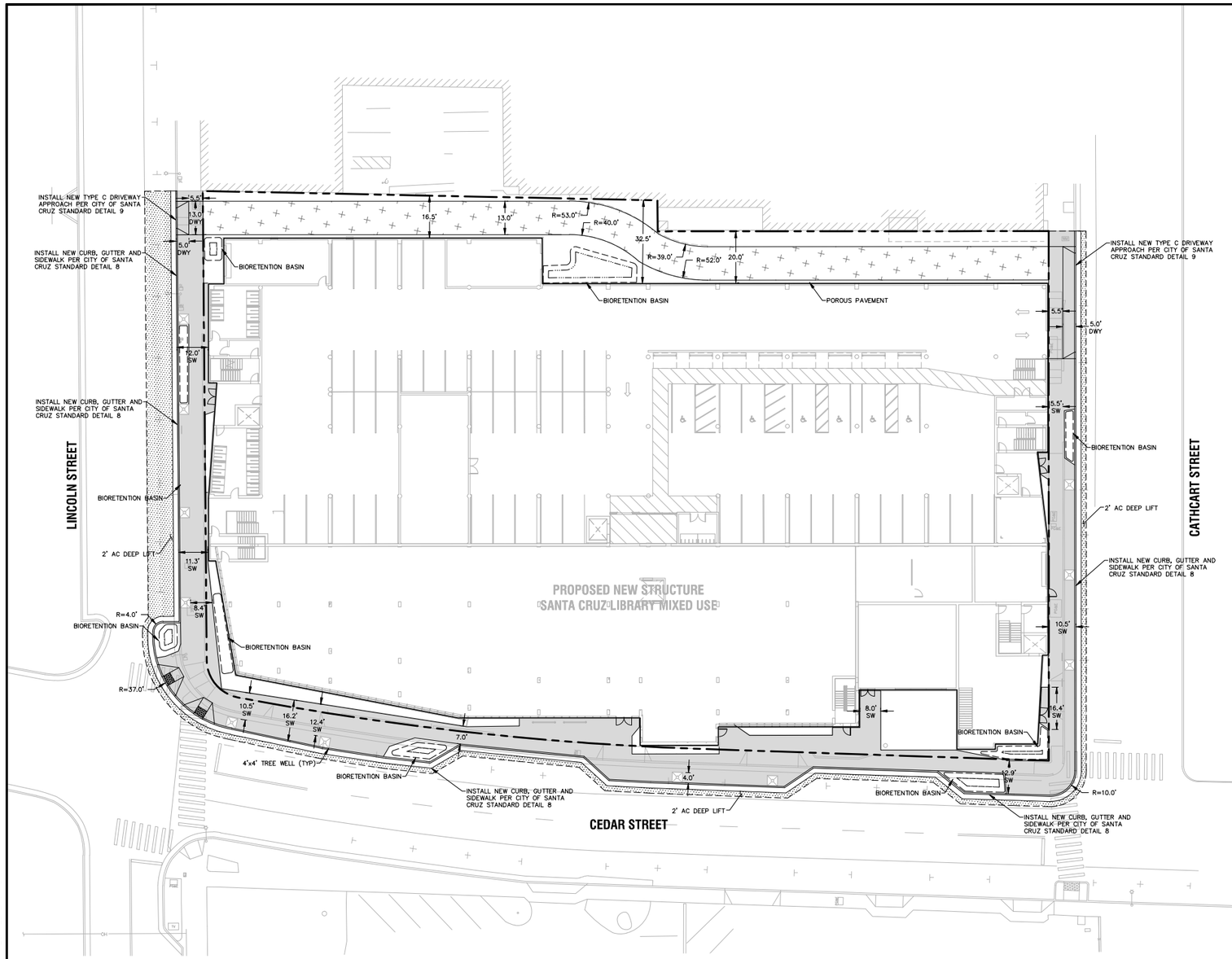


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| VERTICAL CURB & GUTTER | |
| BIORETENTION BASIN | |
| CONCRETE SIDEWALK | |
| POROUS PAVEMENT | |

GRAPHIC SCALE

20 0 10 20 40

( IN FEET )
1 inch = 20 ft.

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# SANTA CRUZ LIBRARY MIXED USE
## SITE PLAN

SANTA CRUZ COUNTY, CALIFORNIA

| No. | Revisions |
|---|---|
| | |

Date 09/08/2022
Scale 1" = 20'
Design AA
Drawn DG
Approved JM
Job No 3201922

Sheet Number:
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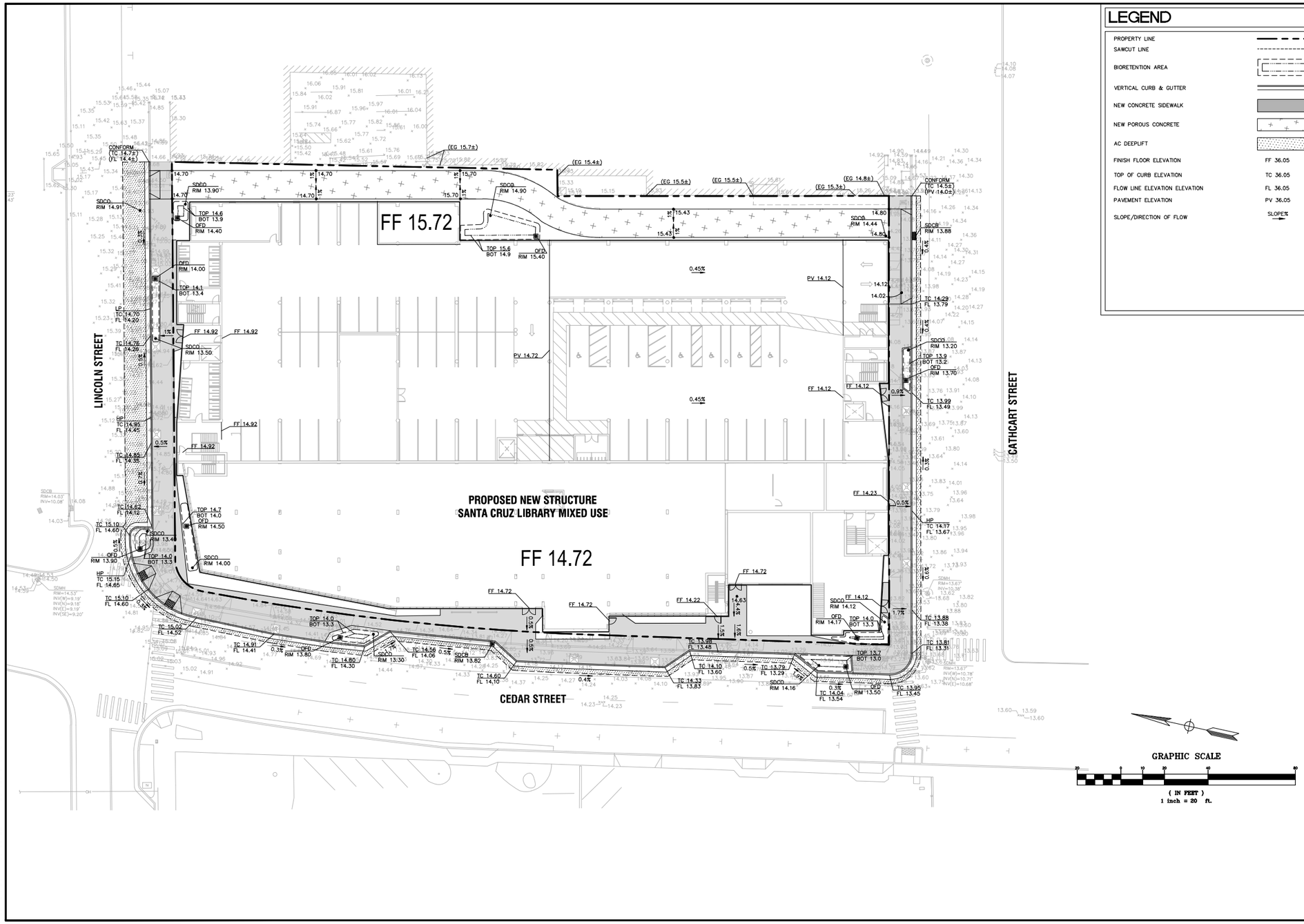
PLOT DATE: 09-08-22 PLOTTED BY: DRKW

## CIVIL SITE PLAN

*SCALE: N.T.S.*

©BKF Engineers




## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| SAWCUT LINE | |
| BIORETENTION AREA | |
| VERTICAL CURB & GUTTER | |
| NEW CONCRETE SIDEWALK | |
| NEW POROUS CONCRETE | |
| AC DEEPLIFT | |
| FINISH FLOOR ELEVATION | FF 36.05 |
| TOP OF CURB ELEVATION | TC 36.05 |
| FLOW LINE ELEVATION ELEVATION | FL 36.05 |
| PAVEMENT ELEVATION | PV 36.05 |
| SLOPE/DIRECTION OF FLOW | SLOPE% |

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# SANTA CRUZ LIBRARY MIXED USE
# GRADING AND DRAINAGE PLAN

SANTA CRUZ COUNTY CALIFORNIA

SANTA CRUZ

| Revisions | |
|---|---|
| No. | |

Date 09/08/2022
Scale 1" = 20'
Design AA
Drawn DS
Approved JM
Job No 2021922

Sheet Number:
C3.0

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PLOT DATE: 09-08-22 PLOTTED BY: drew

## GRADING & DRAINAGE

*SCALE: N.T.S.*

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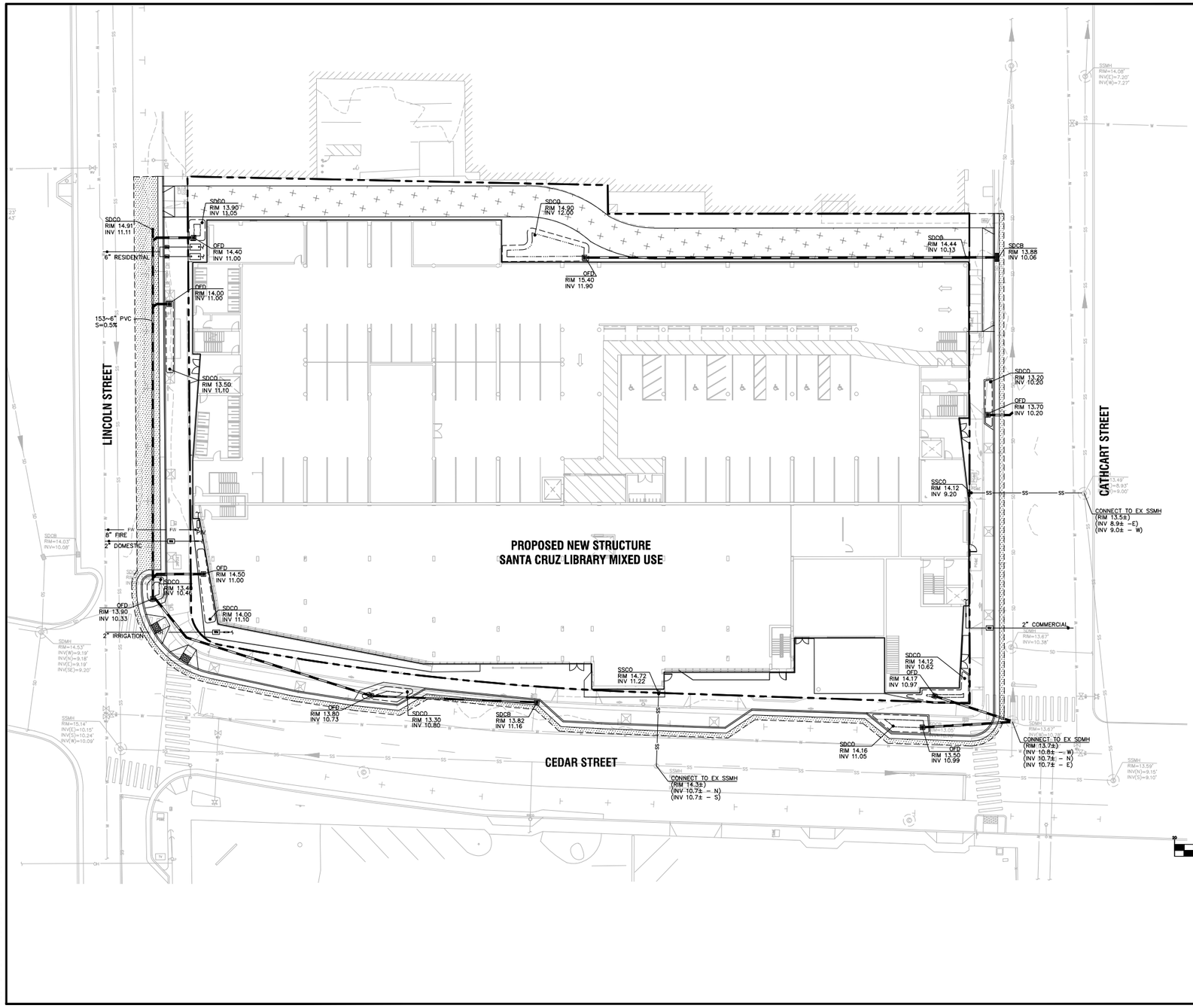


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| VERTICAL CURB & GUTTER | |
| VERTICAL CURB | |
| BIORETENTION BASIN | |
| STORM DRAIN LINE (TREATED) | |
| PERFORATED PIPE | |
| SANITARY SEWER | SS |
| DOMESTIC WATER | W |
| IRRIGATION | IRR |
| FIRE WATER | FW |
| OVERFLOW DRAIN | |
| STORM DRAIN/SANITARY SEWER CLEANOUT | |
| WATER METER/ WATER VALVE | |
| BACKFLOW PREVENTION | |

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# SANTA CRUZ LIBRARY MIXED USE
## UTILITY PLAN

SANTA CRUZ COUNTY CALIFORNIA

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| No. | Revisions |
|---|---|
| | |

Date 09/08/2022
Scale 1" = 20'
Design AA
Drawn DS
Approved JM
Job No 20210922

Sheet Number:
C4.0

DRAWING NAME: K:\2021\210922_Santa_Cruz_library_MU\ENG\PLANNING\SHEETS\C4.0 UTILITY.dwg
PLOT DATE: 09-08-22 PLOTTED BY: onkw

## UTILITY PLAN
*SCALE: N.T.S.*

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# TIER 3 RETENTION EXEMPTION SUMMARY

THE PROJECT SITE IS WITHIN A DESIGNATED URBAN SUSTAINABILITY AREA (USA)

TOTAL LOT AREA = 66,921 SF

- STRUCTURE COVERED AREA = 56,558 SF
- LOT AREA = 66,921 SF
- 56,558 SF/66,921 SF = 85% SF WITHIN 0.25 MILES OF A LOCAL TRANSIT STOP

THE PROJECT IS EXEMPT FROM RUNOFF RETENTION REQUIREMENT

| Drainage Management Area (DMA) | STORMWATER CONTROL MEASURE (SCM) | TOTAL AREA (SF) | IMPERVIOUS SURFACE (SF) | PERVIOUS SURFACE (SF) | STORM WATER CONTROL MEASURE | TREATMENT AREA REQUIRED (SF) (4% IMPERVIOUS SURFACE) | TREATMENT AREA PROVIDED (SF) |
|---|---|---|---|---|---|---|---|
| A-1 | - | 6,439 | - | 6,439 | POROUS PAVEMENT | - | - |
| A-2 | B.B.2 | 1,422 | 1,004 | 418 | BIORETENTION BASIN | 40 | 59 |
| A-3 | B.B.3 | 4,450 | 4,257 | 193 | BIORETENTION BASIN | 170 | 193 |
| A-4 | B.B.4 | 4,345 | 4,112 | 233 | BIORETENTION BASIN | 164 | 233 |
| A-5 | B.B.5 | 4,333 | 2,859 | 1,474 | BIORETENTION BASIN | 114 | 117 |
| A-6 | - | 9,674 | - | 9,674 | GREEN ROOF | - | - |
| A-7 | B.B.7 | 9,023 | 7,457 | 1,566 | BIORETENTION BASIN | 298 | 315 |
| A-8 | B.B.8 | 4,162 | 3,931 | 231 | BIORETENTION BASIN | 157 | 172 |
| A-9 | B.B.9 | 7,086 | 6,795 | 291 | BIORETENTION BASIN | 272 | 291 |
| A-10 | B.B.10 | 4,634 | 4,442 | 192 | BIORETENTION BASIN | 178 | 192 |
| A-11 | B.B.11 | 3,320 | 3,185 | 135 | BIORETENTION BASIN | 127 | 135 |
| A-12 | B.B.12 | 3,596 | 3,449 | 147 | BIORETENTION BASIN | 138 | 147 |
| A-13 | B.B.13 | 3,076 | 2,949 | 127 | BIORETENTION BASIN | 118 | 127 |
| A-14 | B.B.14 | 1,352 | 1,246 | 106 | BIORETENTION BASIN | 50 | 52 |
| A-15 | B.B.15 | 909 | 805 | 104 | BIORETENTION BASIN | 32 | 44 |
| A-16 | B.B.16 | 2,117 | 1,896 | 221 | BIORETENTION BASIN | 76 | 89 |
| A-17 | B.B.17 | 3,469 | 3,252 | 217 | BIORETENTION BASIN | 130 | 138 |
| A-18 | B.B.18 | 1,439 | 1,329 | 110 | BIORETENTION BASIN | 53 | 54 |

REQUIREMENT CRITERIA

TIER 1. RUNOFF REDUCTION
– SITE IMPERVIOUS SURFACE IS OPTIMIZED AND IMPERVIOUS SURFACE HAS BEEN DECREASED COMPARED TO PRE–PROJECT CONDITIONS.

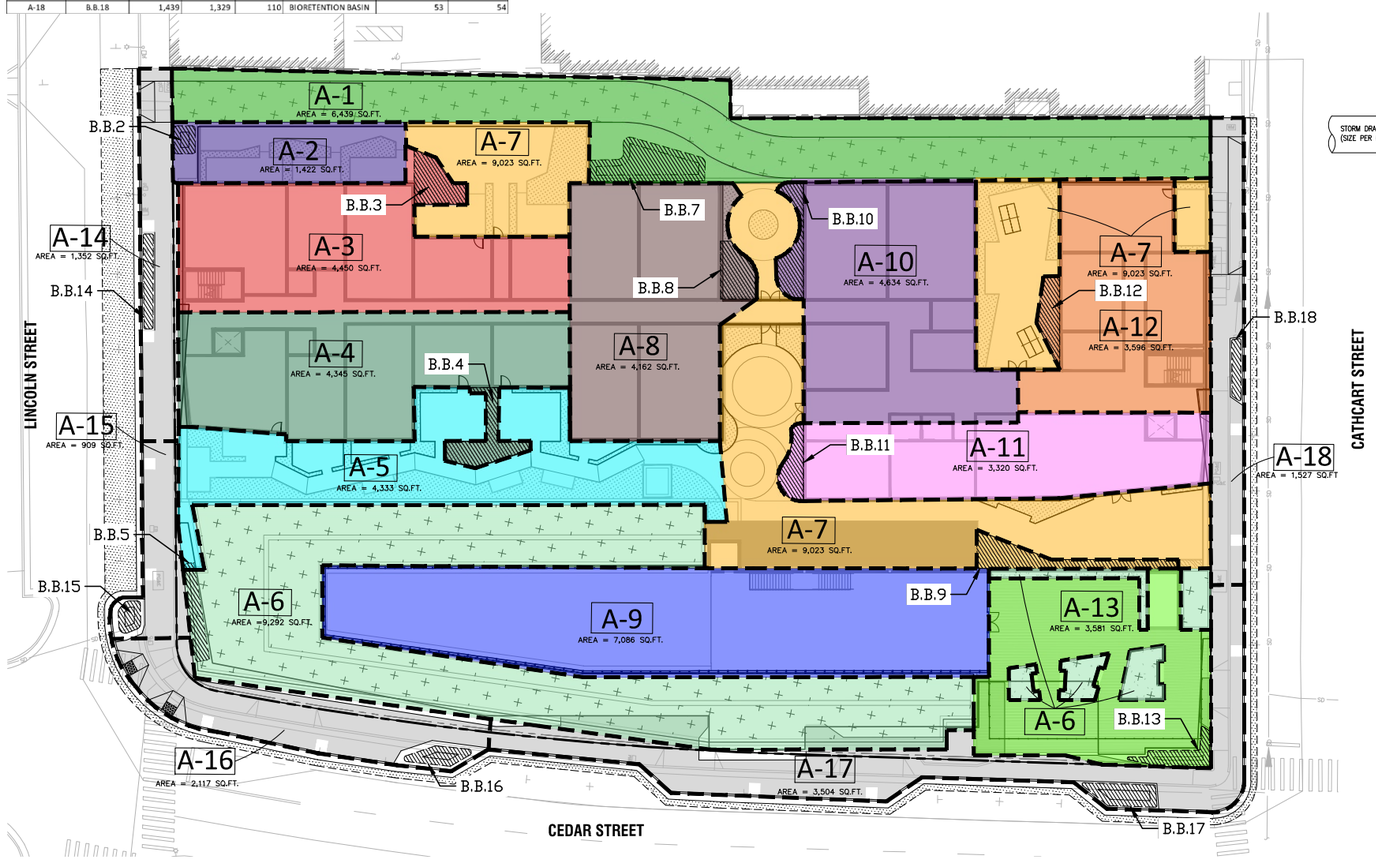
TIER 2. WATER QUALITY TREATMENT
– BIOTREATMENT AREA IS PROVIDED (MINIMUM 4% OF NEW IMPERVIOUS SURFACE)

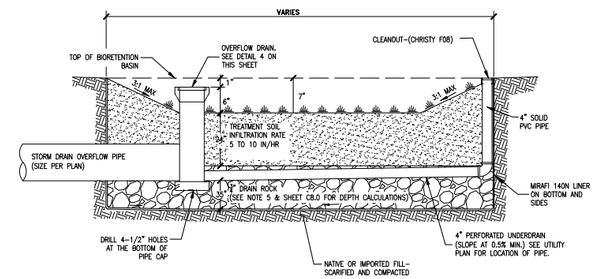
TIER 3. RETENTION REQUIREMENT
– EXEMPT. THE PROJECT SITE IS WITHIN AN URBAN SUSTAINABILITY AREA (USA) AND MEETS ALL OF THE SMALL PARCEL REQUIREMENTS (1–2 ACRE) AND IS WITHIN 0.25 MILES OF A TRANSIT HUB.

TIER 4. PEAK FLOW MANAGEMENT
– EXEMPT. CURRENT SITE IS DISCHARGING TO THE SAN LORENZO RIVER.

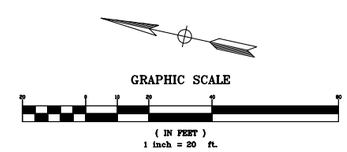
## LEGEND

- PROPERTY LINE
- DRAINAGE AREA BOUNDARY
- BIORETENTION BASIN
- SELF TREATING AREA
- LANDSCAPE AREA
- DRAINAGE AREA # — A-#
- BIORETENTION BASIN # — BB#




## TYPICAL TREATMENT BASIN SECTION

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SANTA CRUZ LIBRARY MIXED USE
STORMWATER CONTROL PLAN

SANTA CRUZ COUNTY CALIFORNIA

SANTA CRUZ

| No. | Revisions |
|---|---|
| | |

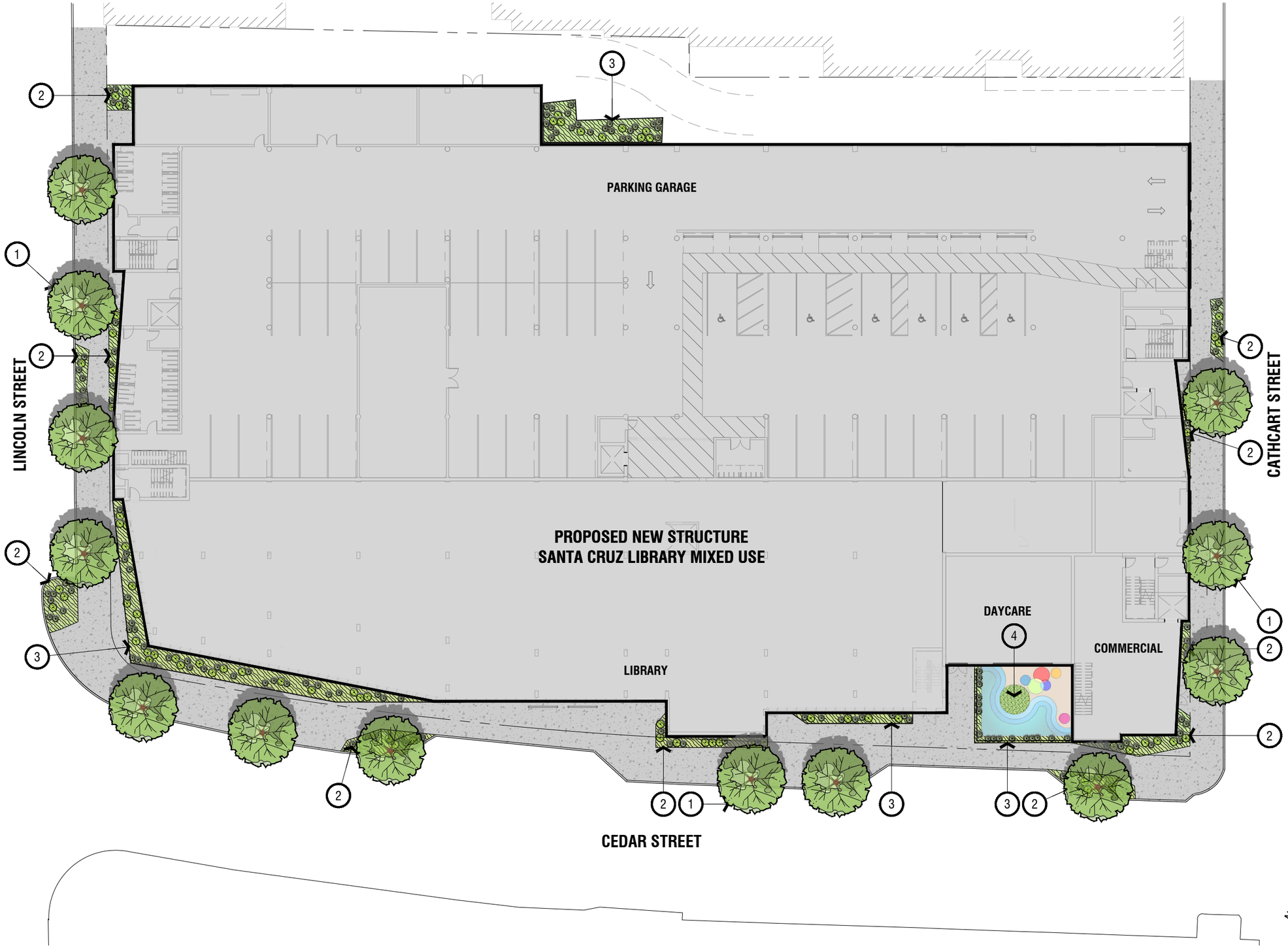
Date 09/08/2022
Scale 1" = 20'
Design A.K.
Drawn DS
Approved JM
Job No 2021092

Sheet Number:
C5.0

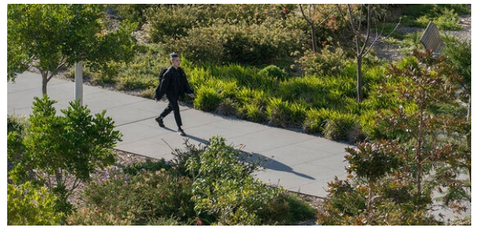
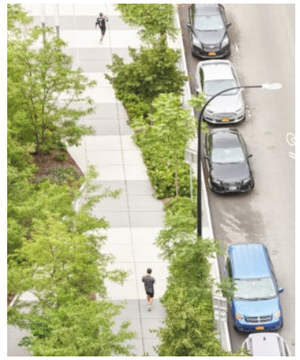
DRAWING NAME: K:\2021\210922_Santa_Cruz_Library_MU\ENG\PLANNING\SHEETS\C5.0-SWCP.dwg
PLOT DATE: 09-09-22 PLOTTED BY: anew

# STORMWATER CONTROL PLAN

*SCALE: N.T.S.*




## LANDSCAPE PRECEDENTS

## KEYNOTES

1. (N) STREET TREES
2. (N) GROUND LEVEL STREET PLANTING
3. (N) RAISED STEEL PLANTERS
4. (N) DAY CARE PLAY PATIO

## GROUND LANDSCAPE PLAN

*SCALE: 1" = 30'-0"*

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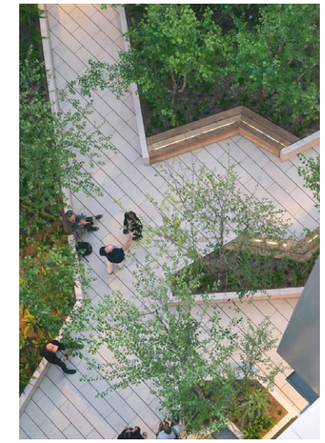
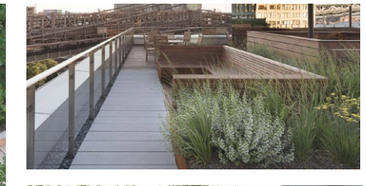
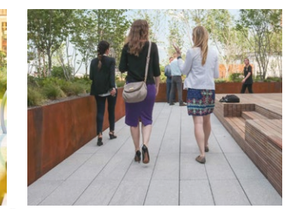
SANTA CRUZ, CA
DATE: 09/08/22

**L1.0**

## PODIUM PRECEDENTS



## KEYNOTES

1. (N) TOT LOT, NATURE PLAY CLIMBING STRUCTURES AND PIP SURFACING
2. (N) TEEN COURTYARD WITH WEATHER PROOF SHUFFLEBOARD AND PING PONG TABLES
3. (N) PODIUM GARDEN WITH CONCRETE PLANK WALK
4. (N) RAISED VEGETABLE BEDS FOR RESIDENCE USE/MAINTENANCE
5. (N) COMMUNITY GATHERING SPACE
6. (N) PLANK WALK, CONCRETE
7. (N) PRIVATE RESIDENCE PATIO SPACE
8. (N) RAISED STEEL PLANTERS
9. (N) GREEN ROOF, BY OTHERS
10. (N) DECK

## PODIUM LANDSCAPE PLAN

*SCALE: 1" = 30'-0"*

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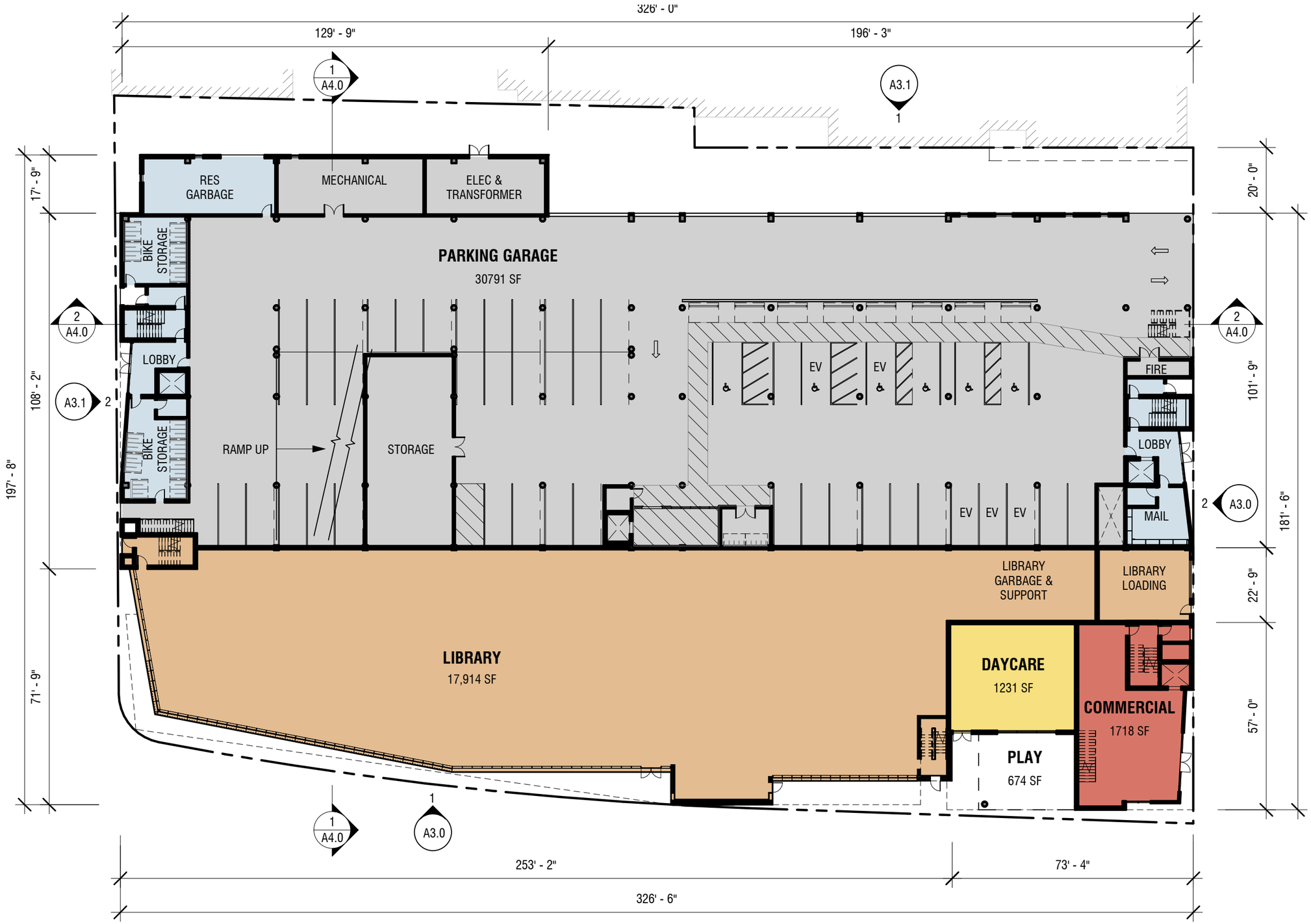
DATE: 09/08/22

**L1.1**




## LEGEND

- GARAGE
- COMMERCIAL
- LIBRARY
- DAYCARE
- GREEN ROOF
- 1-BEDROOM UNIT & STUDIO
- 2-BEDROOM UNIT
- 3-BEDROOM UNIT
- RES. SUPPORT SPACES
- DECK

# 1ST FLOOR PLAN

SCALE: 1" = 30'-0"

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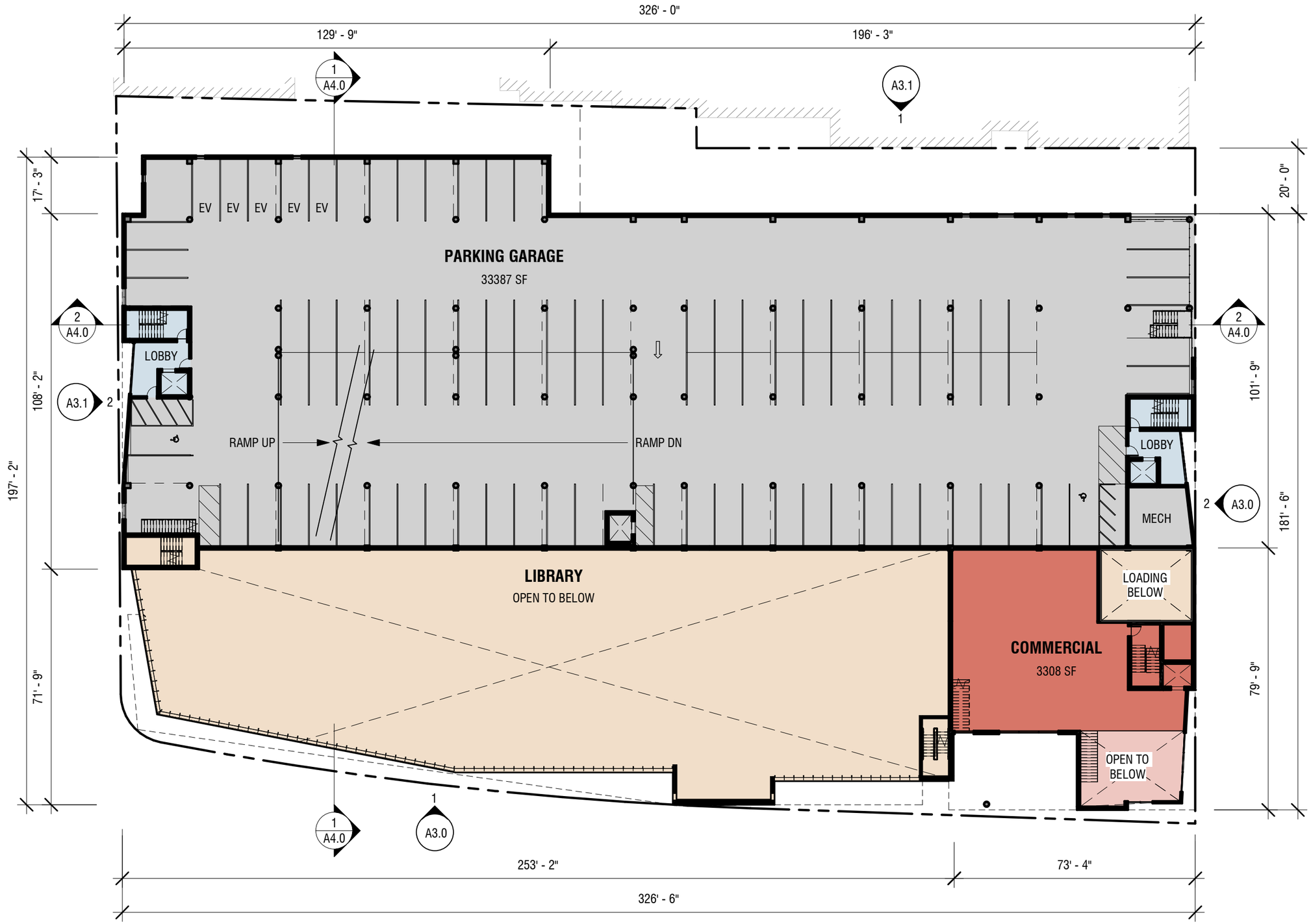
DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT
SANTA CRUZ, CA
DATE: 09/08/22

A2.1




## LEGEND

- GARAGE
- COMMERCIAL
- LIBRARY
- DAYCARE
- GREEN ROOF
- 1-BEDROOM UNIT & STUDIO
- 2-BEDROOM UNIT
- 3-BEDROOM UNIT
- RES. SUPPORT SPACES
- DECK

## 2ND FLOOR PLAN

SCALE: 1" = 30'-0"

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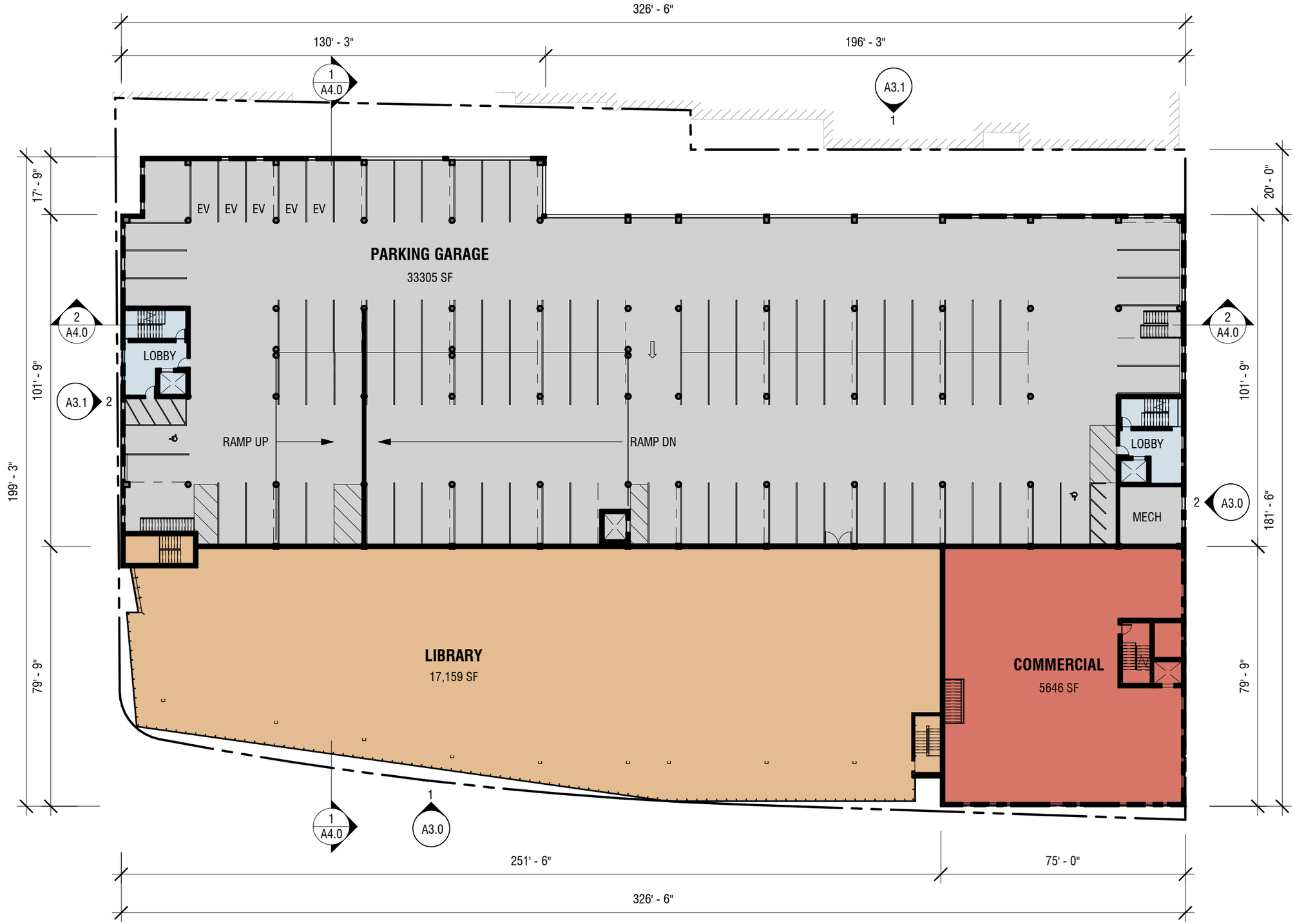
DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT

SANTA CRUZ, CA
DATE: 09/08/22

A2.2




## LEGEND

- GARAGE
- COMMERCIAL
- LIBRARY
- DAYCARE
- GREEN ROOF
- 1-BEDROOM UNIT & STUDIO
- 2-BEDROOM UNIT
- 3-BEDROOM UNIT
- RES. SUPPORT SPACES
- DECK

N

## 3RD FLOOR PLAN

SCALE: 1" = 30'-0"

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# DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT

SANTA CRUZ, CA
DATE: 09/08/22

A2.3

## LEGEND

- GARAGE
- COMMERCIAL
- LIBRARY
- DAYCARE
- GREEN ROOF
- 1-BEDROOM UNIT & STUDIO
- 2-BEDROOM UNIT
- 3-BEDROOM UNIT
- RES. SUPPORT SPACES
- DECK

# 4TH FLOOR PLAN

SCALE: 1" = 30'-0"

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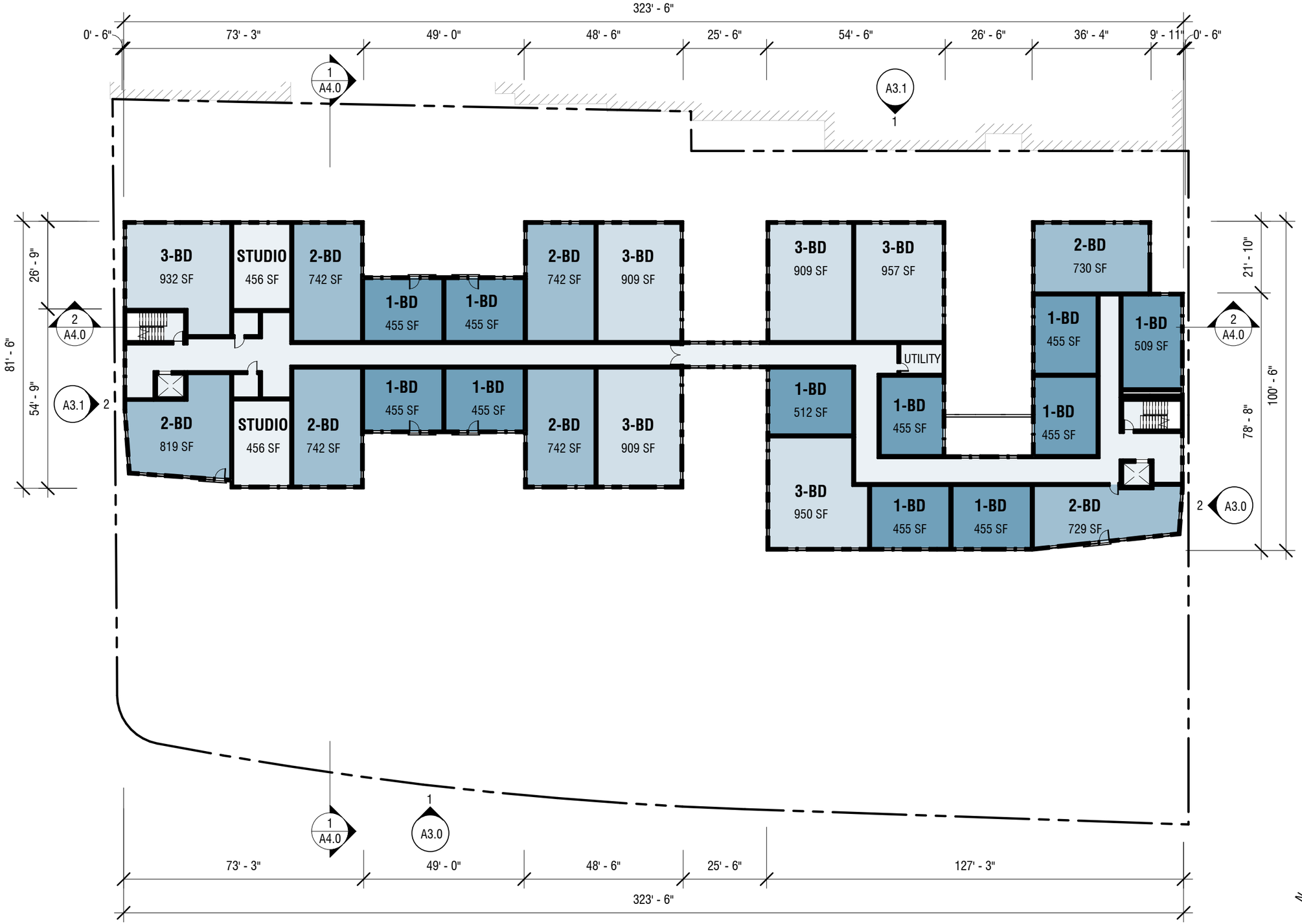
DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT
SANTA CRUZ, CA
DATE: 09/08/22

A2.4




## LEGEND

- *GARAGE*
- *COMMERCIAL*
- *LIBRARY*
- *DAYCARE*
- *GREEN ROOF*
- *1-BEDROOM UNIT & STUDIO*
- *2-BEDROOM UNIT*
- *3-BEDROOM UNIT*
- *RES. SUPPORT SPACES*
- *DECK*

# 5TH-6TH FLOOR PLAN

*SCALE: 1" = 30'-0"*

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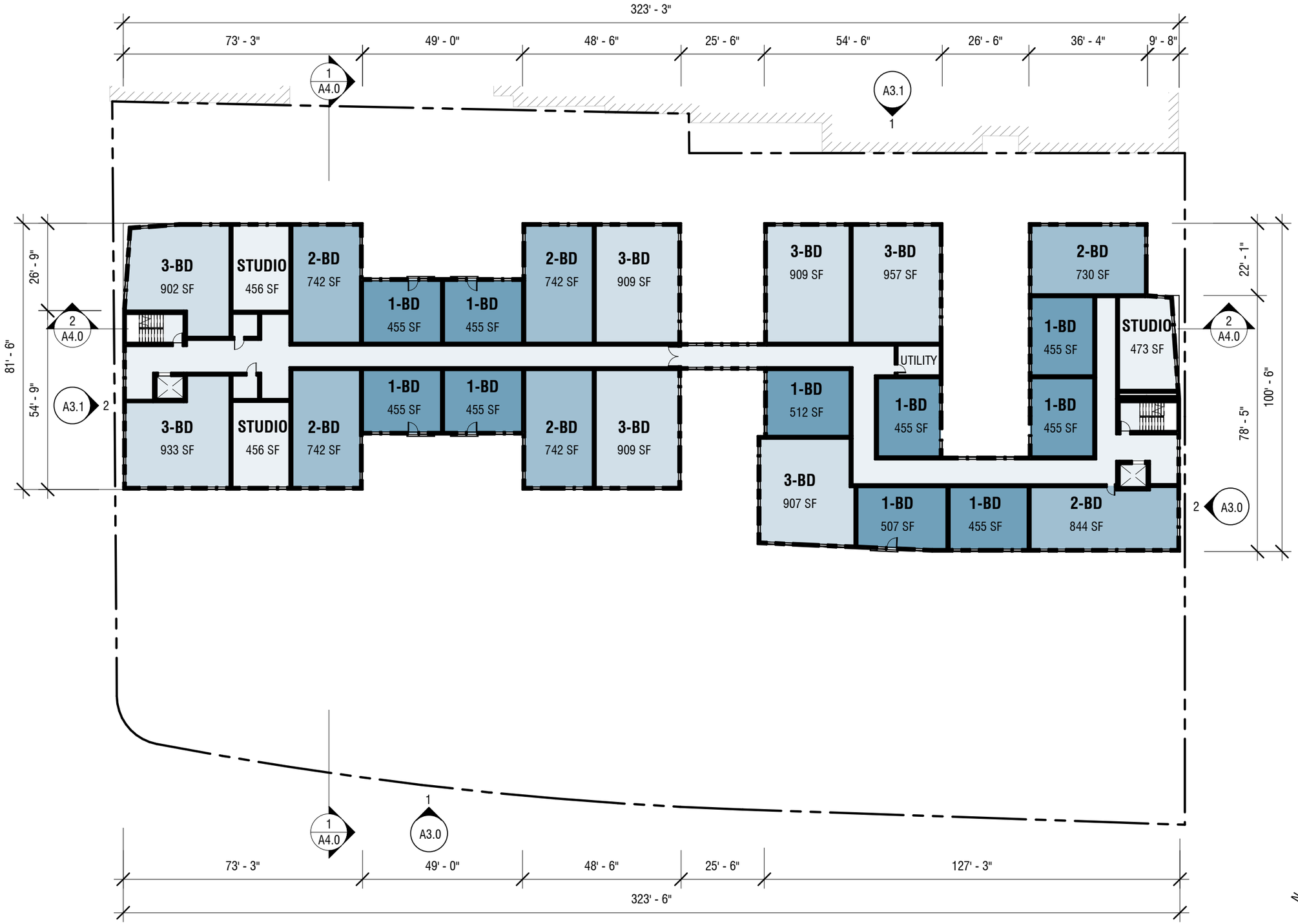
DATE: 09/08/22

A2.5




## LEGEND

- *GARAGE*
- *COMMERCIAL*
- *LIBRARY*
- *DAYCARE*
- *GREEN ROOF*
- *1-BEDROOM UNIT & STUDIO*
- *2-BEDROOM UNIT*
- *3-BEDROOM UNIT*
- *RES. SUPPORT SPACES*
- *DECK*

# 7TH-8TH FLOOR PLAN

*SCALE: 1" = 30'-0"*

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539 Marsh Street
San Luis Obispo, CA
805.541.1010
info@tenoverstudio.com

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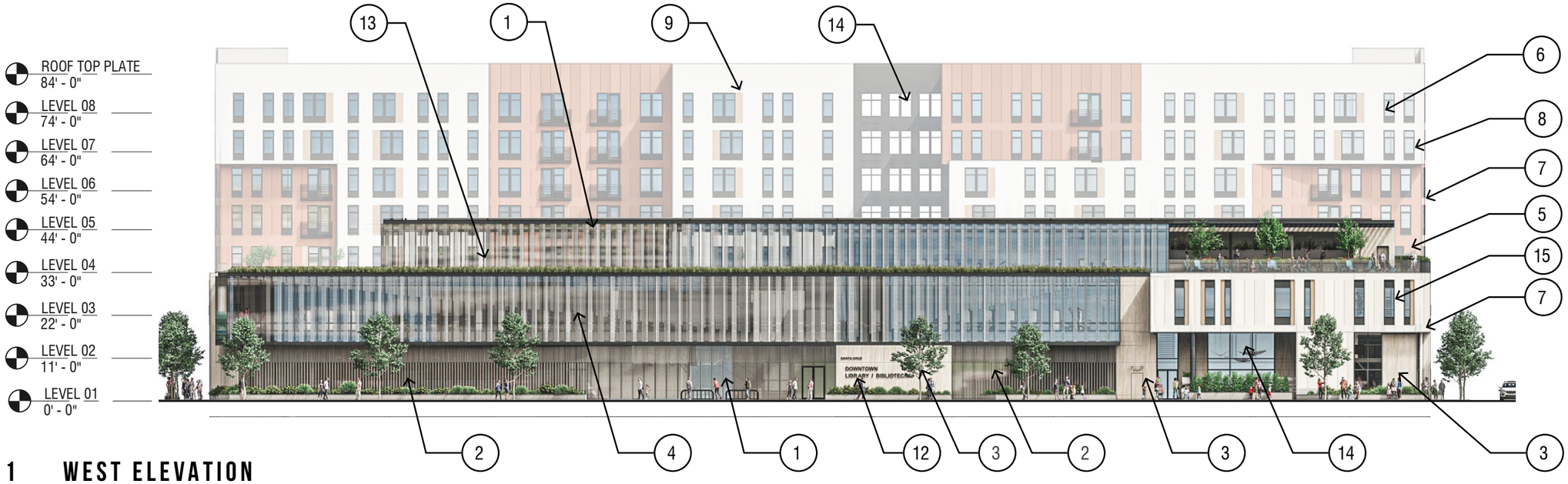
**DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT**

SANTA CRUZ, CA
DATE: 09/08/22

**A2.6**




## 1 WEST ELEVATION

*SCALE: 1" = 30'-0"*

## 2 SOUTH ELEVATION

*SCALE: 1" = 30'-0"*

## KEYNOTES

1. GLASS CURTAINWALL
2. GLASS CURTAINWALL WITH WOOD SLAT RAINSCREEN SYSTEM
3. WEATHERED WOOD TONGUE & GROOVE SIDING
4. GLASS CURTAINWALL WITH FRIT PATTERN
5. GLASS RAILING AT LIBRARY ROOF DECK
6. VINYL WINDOWS WITH BLACK EXTERIOR FINISH (AT RESIDENTIAL AREAS ONLY)
7. 3-TONE INTEGRAL COLOR STUCCO WITH METAL TRIM
8. SINGLE TONE FIELD COLOR INTEGRAL STUCCO
9. ACCENT INTEGRAL COLOR AT STUCCO AT WINDOWS
10. HORIZONTAL CONCRETE BASE, BOARD FORM TEXTURE
11. OPEN AIR OPENING AT GARAGE
12. MAIN BUILDING SIGNAGE
13. GREEN ROOF
14. GLASS STOREFRONT
15. THERMALLY BROKEN ALUMINUM WINDOWS

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SANTA CRUZ, CA
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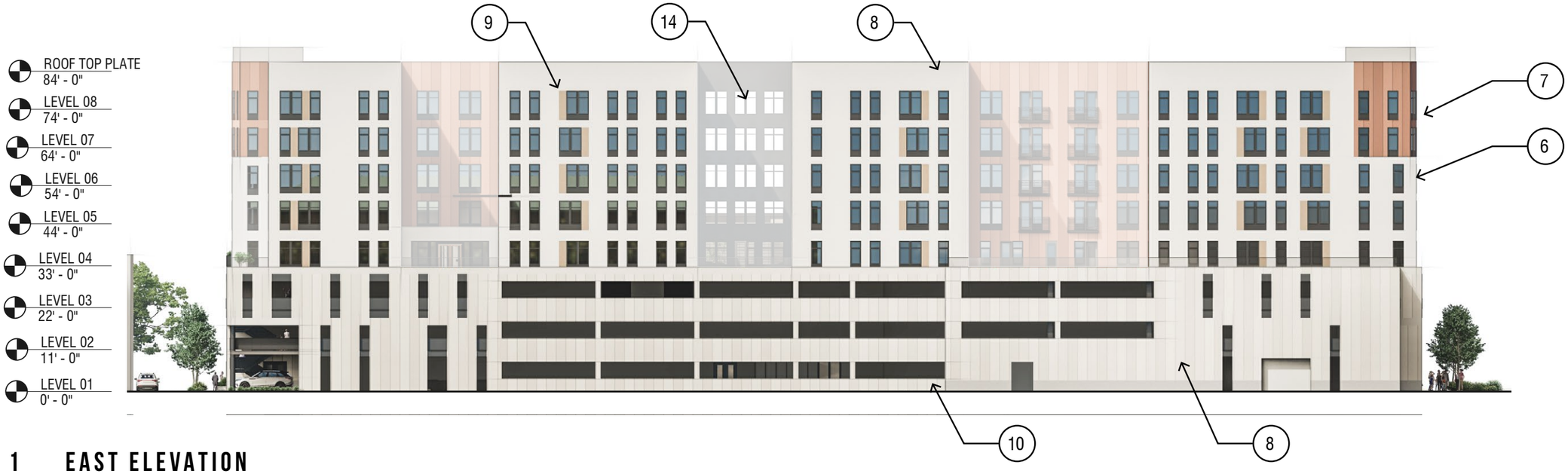


## 1 EAST ELEVATION

*SCALE: 1" = 30'-0"*

## 2 NORTH ELEVATION

*SCALE: 1" = 30'-0"*

## KEYNOTES

1. GLASS CURTAINWALL
2. GLASS CURTAINWALL WITH WOOD SLAT RAINSCREEN SYSTEM
3. WEATHERED WOOD TONGUE & GROOVE SIDING
4. GLASS CURTAINWALL WITH FRIT PATTERN
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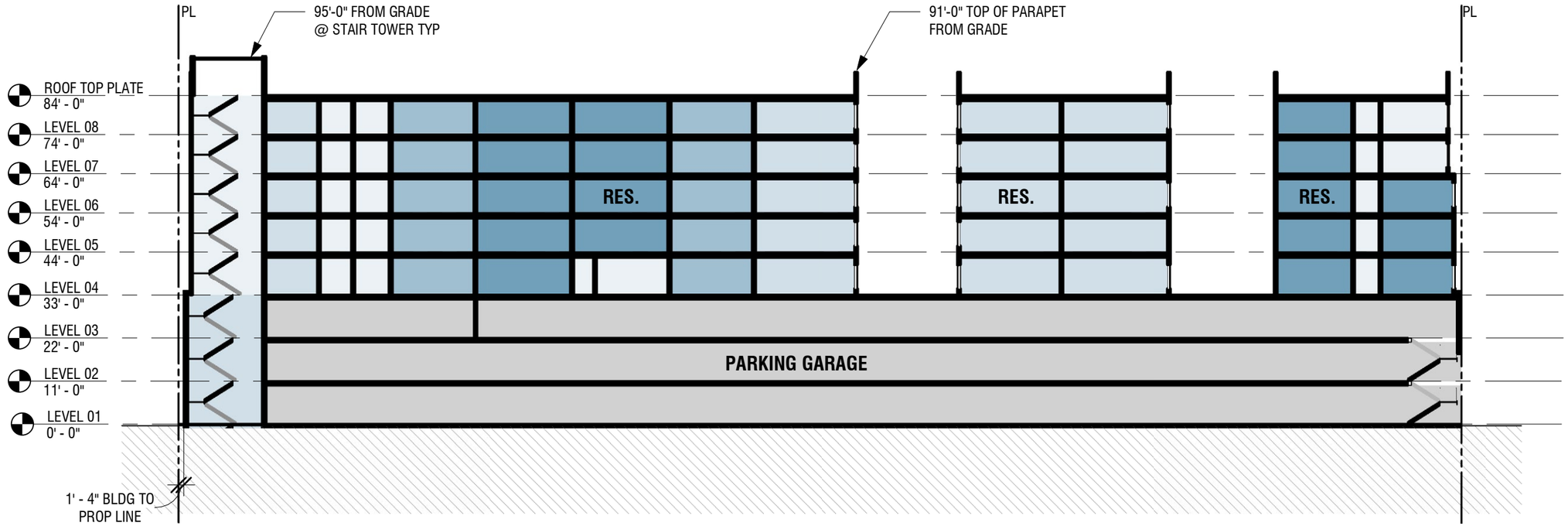
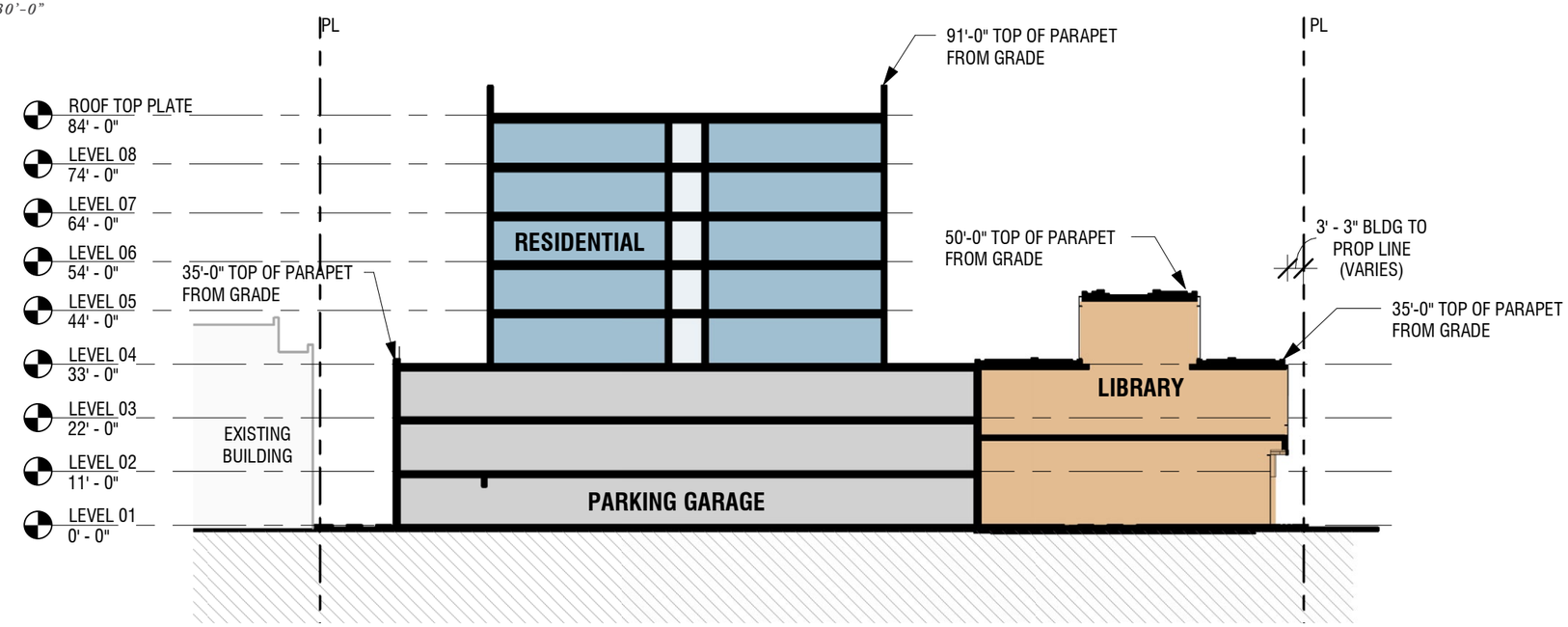



## 1 NORTH-SOUTH SECTION

*SCALE: 1" = 30'-0"*




## 2 EAST-WEST SECTION

*SCALE: 1" = 30'-0"*

## LEGEND

- *GARAGE*
- *COMMERCIAL*
- *LIBRARY*
- *DAYCARE*
- *GREEN ROOF*
- *1-BEDROOM UNIT & STUDIO*
- *2-BEDROOM UNIT*
- *3-BEDROOM UNIT*
- *RES. SUPPORT SPACES*
- *DECK*

## BUILDING SECTIONS

*SCALE: 1" = 30'-0"*

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DATE: 09/08/22

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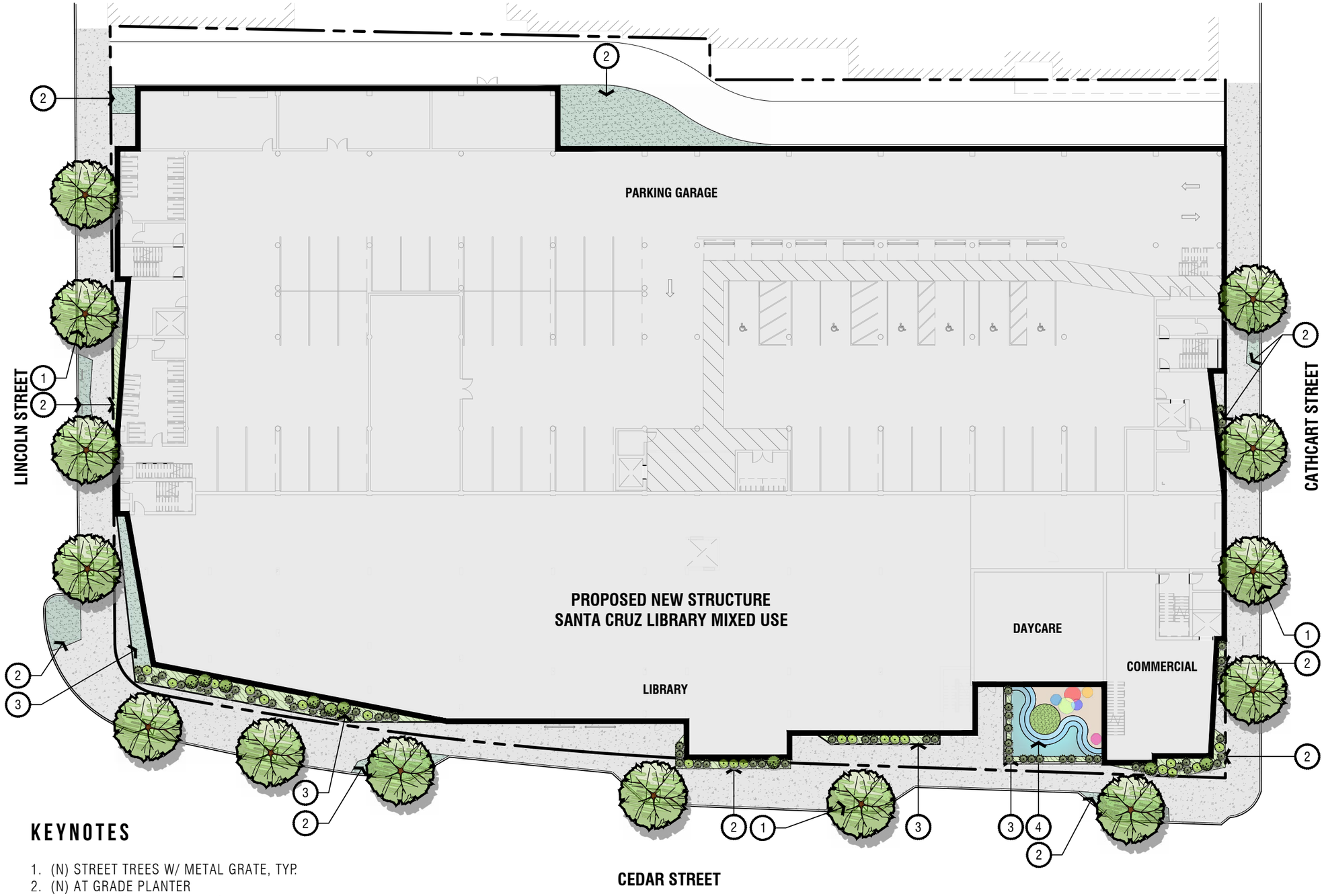
TEN10VER

TO LEAVE THE WORLD BETTER THAN WE FOUND IT.

Certified B Corporation




## KEYNOTES

1. (N) STREET TREES W/ METAL GRATE, TYP.
2. (N) AT GRADE PLANTER
3. (N) RAISED STEEL PLANTERS
4. (N) DAY CARE PLAY PATIO

## LANDSCAPE SCHEDULE

CANOPY TREE / 24" BOX MIN. *such as,*
Laurus x 'Saratoga' / Saratoga Hybrid Laurel
Platanus x acerifolia 'Columbia' / Columbia London Plane Tree
Pistacia chinensis / Chinese Pistache Tree
Quercus spp. / California Native Oak Species

ORNAMENTAL GRASS / 1 GAL MIN. *such as,*
Festuca californica 'River House Blues' / River House Blues California Fescue
Lomandra longifolia 'Roma 13' / Platinum Beauty® Variegated Mat Rush
Pennisetum spathiolatum / Slender Veldt Grass
Sesleria autumnalis 'Campo Verde' / Campo Verde Autumn Moor Grass

FLOWERING PERENNIAL / 1 GAL MIN. *such as,*
Drimia maritima / Sea Squill
Epilobium canum 'Sierra Salmon' / Sierra Salmon California Fuchsia
Eriogonum fasciculatum / California Buckwheat
Santolina chamaecyparissus 'Nana' / Lavender Cotton

LARGE NATIVE SHRUB / 5 GAL MIN. *such as,*
Arctostaphylos densiflora 'Howard McMinn' / Howard McMinn Vine Hill Manzanita
Carpenteria californica / Bush Anemone
Fremontodendron californicum / CA Flannelbush

ORNAMENTAL GROUNDCOVER / 1 GAL MIN. *such as,*
Arctostaphylos x 'Emerald Carpet' / Emerald Carpet Manzanita
Ceanothus griseus horizontalis 'Diamond Heights' / Diamond Heights Carmel Creeper
Dymondia margaretae / Silver Carpet Dymondia

BIORETENTION PLANTING / 4" POT MIN. *such as,*
Carex praegracilis / California Field Sedge
Chondropetalum tectorum 'Dwarf' / Dwarf Cape Rush
Juncus effusus 'Carman's Japanese' / Carman's Japanese Common Rush
Juncus patens 'Elk Blue' / Spreading Rush

## PLANTING NOTE

1. STRUCTURED SOILS OR SILVA CELLS TO BE USED UNDER SIDEWALKS IN ORDER TO ENCOURAGE TREE VITALITY AND ROOT HEALTH.

## GROUND LANDSCAPE PLAN

*SCALE: 1" = 30'-0"*

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DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT
SANTA CRUZ, CA
DATE: 01/26/23

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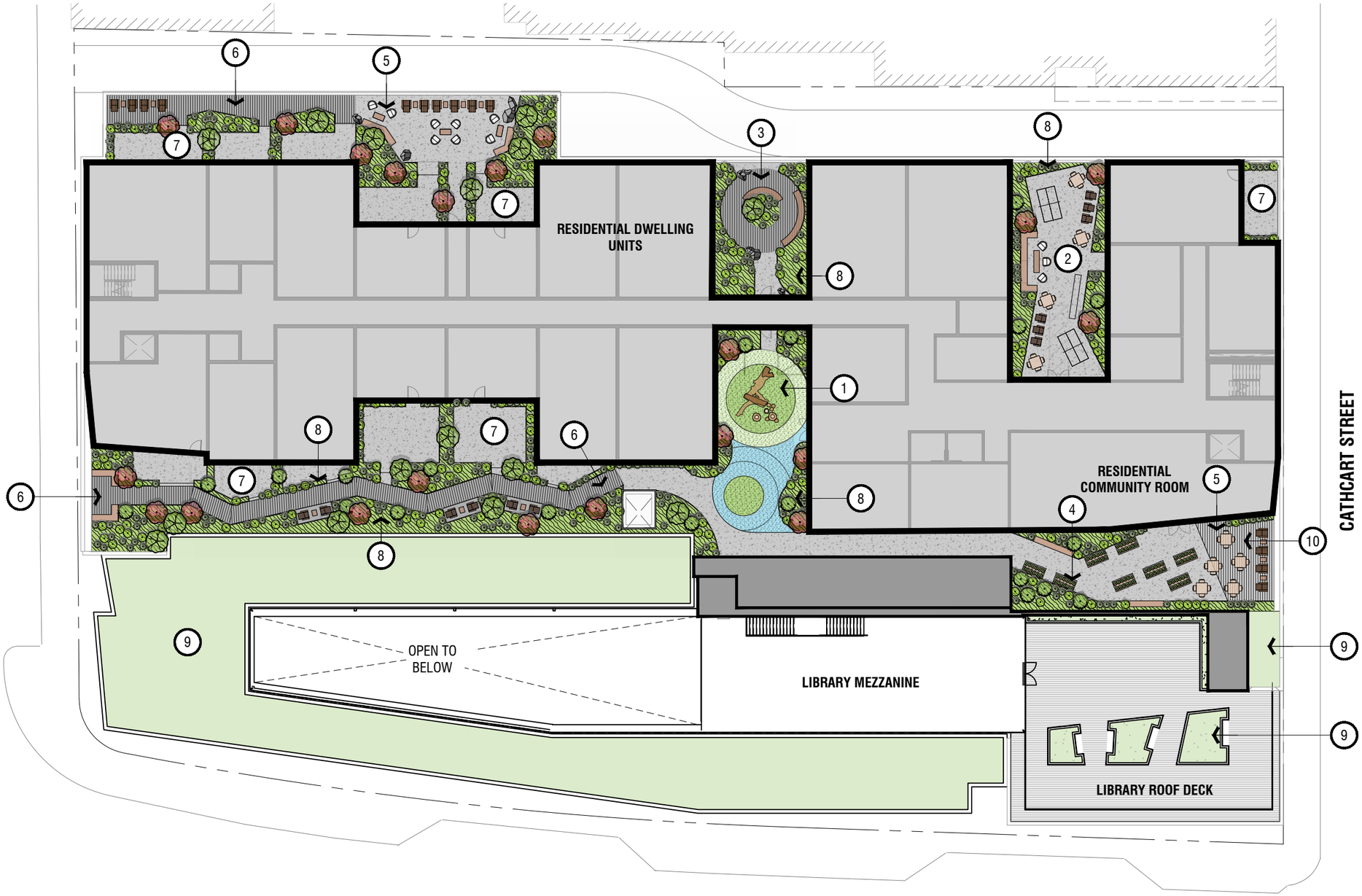
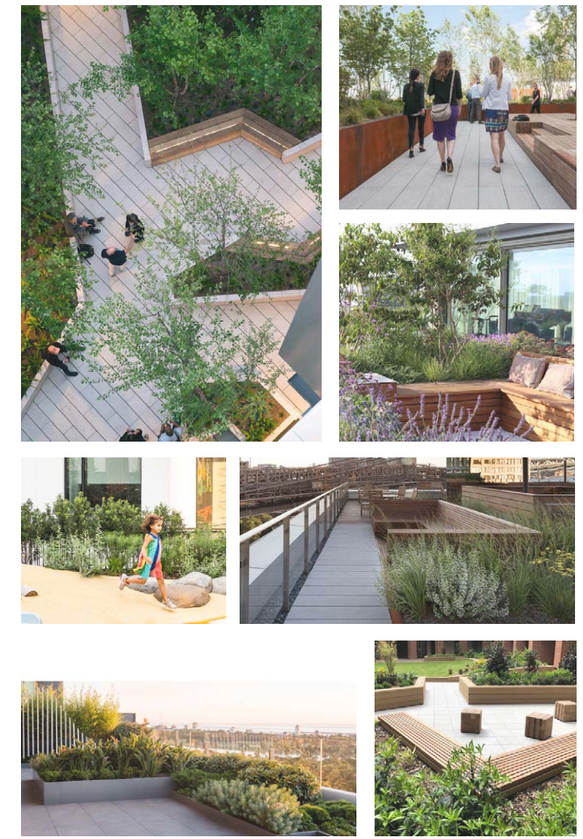



## LANDSCAPE PRECEDENTS



## KEYNOTES

1. (N) TOT LOT, NATURE PLAY CLIMBING STRUCTURES AND PIP SURFACING
2. (N) TEEN COURTYARD WITH WEATHER PROOF SHUFFLEBOARD AND PING PONG TABLES
3. (N) PODIUM GARDEN WITH CONCRETE PLANK WALK
4. (N) RAISED VEGETABLE BEDS FOR RESIDENCE USE/ MAINTENANCE
5. (N) COMMUNITY GATHERING SPACE
6. (N) PLANK WALK, CONCRETE
7. (N) PRIVATE RESIDENCE PATIO SPACE
8. (N) RAISED STEEL PLANTERS
9. (N) GREEN ROOF, BY OTHERS
10. (N) DECK

## IRRIGATION NOTE

1. ALL LANDSCAPE AREAS SHALL BE IRRIGATED WITH A PERMANENT UNDERGROUND IRRIGATION SYSTEM. IRRIGATION SYSTEM SHALL BE DESIGNED TO ADEQUATELY AND EFFICIENTLY WATER ALL SHRUB AREAS AND TREES.

## PODIUM LANDSCAPE PLAN

*SCALE: 1" = 30'-0"*

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**DOWNTOWN LIBRARY & AFFORDABLE HOUSING PROJECT**

SANTA CRUZ, CA
DATE: 01/26/23

**L1.1**

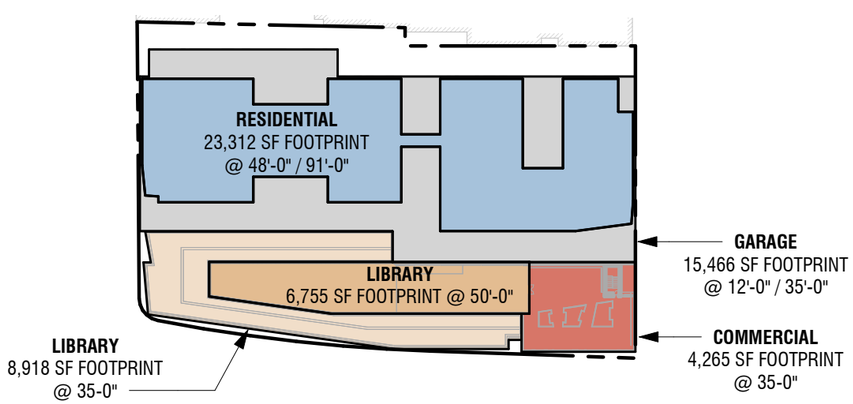
# BASE DENSITY VS PROPOSED DENSITY

## BASE PROJECT

| | | | | |
|---|---|---|---|---|
| **GROSS SQUARE FOOTAGE** | 153,180 SF | | | |
| | *NOTE: LIBRARY REDUCED BY 3,218 SF* | | | |
| **BUILDING HEIGHT** | *COMMERCIAL:* | 35'-0" | | |
| **(***GRADE TO PARAPET)* | *LIBRARY:* | 50'-0" | | |
| | *RESIDENTIAL:* | 48'-0" | | |
| **STORIES ABOVE GRADE** | 4 | | | |
| **FAR** | ALLOWABLE: 0.25- 5.0 | 66921 SF LOT AREA | **FAR:** | **2.29** |
| **# OF UNITS** | 72 UNITS | | | |
| **DENSITY** | 46.45 UNITS/ACRE | | | |
| **PARKING** | 80 | | | |
| **CONCESSIONS REQUIRED** | *NONE* | | | |

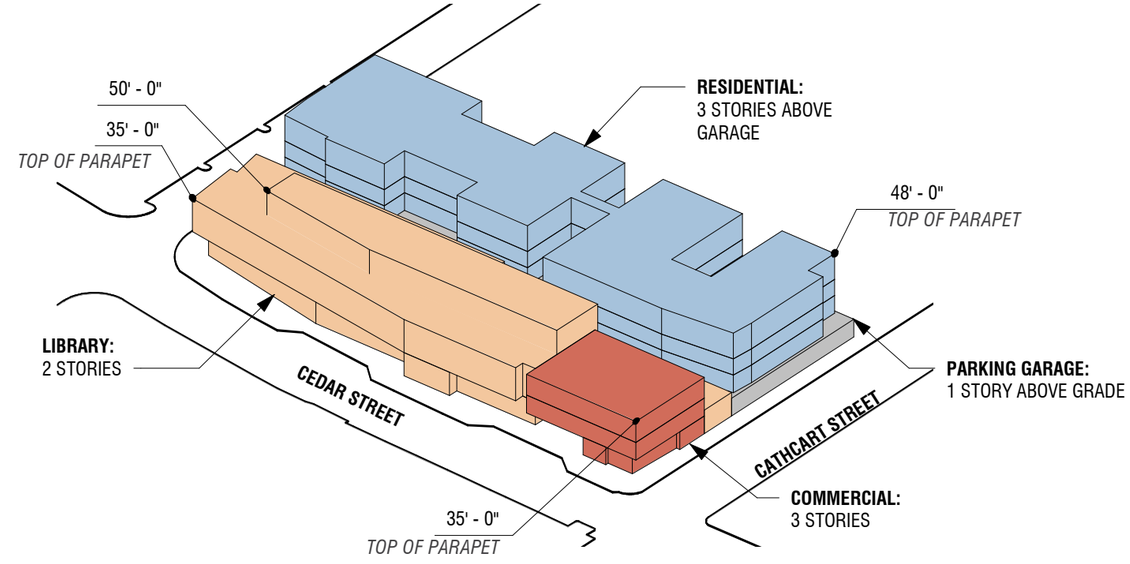
## PROPOSED PROJECT

| | | | | |
|---|---|---|---|---|
| **GROSS SQUARE FOOTAGE** | 273,194 SF | | | |
| **BUILDING HEIGHT** | **BUILDING FOOTPRINT AREA BELOW 50' HEIGHT** | | | |
| *(GRADE TO PARAPET)* | *GARAGE/COMMERCIAL:* | 35'-0" | *28,649 SF SITE AREA* | *42.81%* |
| | *LIBRARY:* | 50'-0" | *6,755 SF SITE AREA* | *10.09%* |
| | | | **TOTAL:** | **52.90%** |
| | **BUILDING FOOTPRINT AREA ABOVE 50' HEIGHT** | | | |
| | *RESIDENTIAL:* | 91'-0" | *23,312 SF SITE AREA* | *34.84%* |
| | | | **TOTAL:** | **34.84%** |
| **STORIES ABOVE GRADE** | 8 | | | |
| **FAR** | ALLOWABLE: 0.25- 5.0 | 66921 SF LOT AREA | **FAR:** | **4.08** |
| **# OF UNITS** | 124 UNITS | | | |
| **DENSITY** | 80 UNITS/ACRE | | | |
| **PARKING** | 243 | | | |
| **CONCESSIONS REQUIRED** | HEIGHT EXCEPTION FOR RESIDENTIAL COMPONENT | | | |



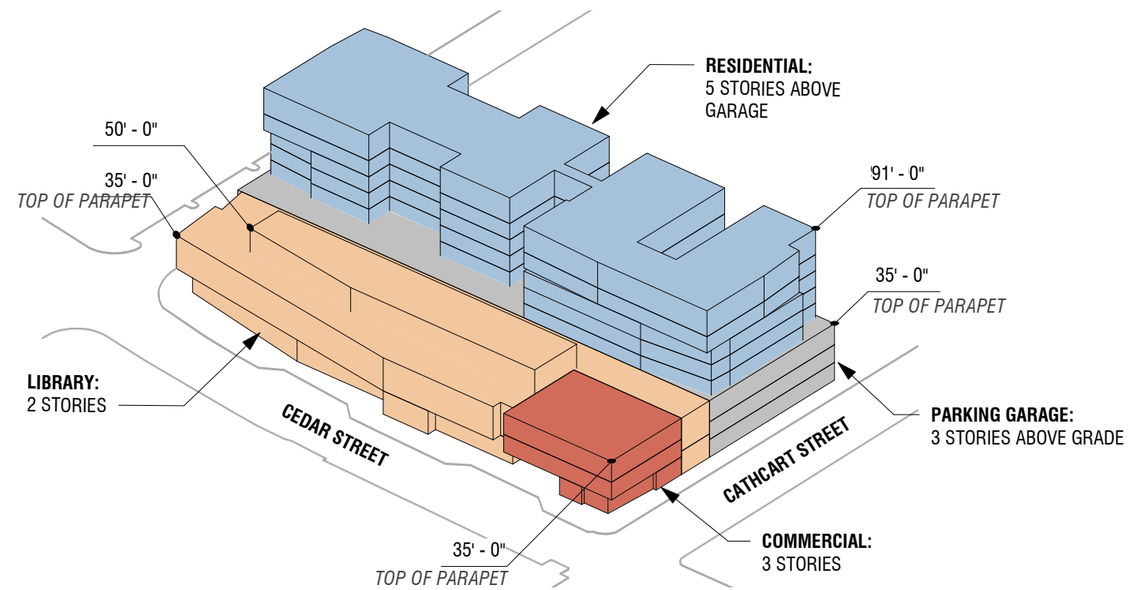

## SITE AREA DIAGRAM - PROPOSED DENSITY

*NOTE: HEIGHTS ARE TO TOP OF PARAPET FROM GRADE*




## BASE DENSITY - 3D DIAGRAM

*NOTE: HEIGHTS ARE TO TOP OF PARAPET FROM GRADE*




## PROPOSED DENSITY - 3D DIAGRAM

*NOTE: HEIGHTS ARE TO TOP OF PARAPET FROM GRADE*

**PROJECT REPORT**

Date: 1/13/2023
Owner/Applicant: For the Future Housing/ Eden Housing
Address: 945 W Julian Street
City, State Zip: San Jose, CA95126
Phone: 408 8918303

**PROJECT DATA**

Project Address: 119 Lincoln Street, 600-698 Cedar Street
Description: 124-unit 100% affordable apartment units, 38,000 sq ft of public library, 10,000 sq ft of commercial
Architect: Ten Over Studio
Construction Type: Type III, Type I

## PROJECT DESCRIPTION

This project proposes a new 273,194 SF, 8-story building in the Cedar Street Village. The primary uses are an approx. 38,000 SF Public Library, approximately 10,000 SF of commercial use and a public City Parking facility. Above the parking structure there are 5 levels of residential units totaling 124 100% affordable units. Throughout the site, there are more than 250 bike parking locations proposed. These locations are spread throughout the site. In addition, there are separate, secured bike parking locations inside the parking garage for residential tenants and staff as well as library, daycare, and commercial employees.

## PROJECT DOCUMENTS

1. Schematic Architectural Drawings dated 09/08/2022 completed by Ten Over Studio Architects

## COST ANALSYSIS

We are estimating the potential decrease in height for the project will cause significant costs impacts to the project. A reduction in height will push the developer to design and construct the parking garage level underground. Estimated rough costs associated to construct 1 level of an underground concrete structure are as follow:

| | | |
|---|---|---|
| 1. | Additional soils analysis, testing and surveys | $183,000 |
| 2. | Dewatering and discharge fees (allowance) | $1,750,000 |
| 3. | Excavation and soils Off-haul | $2,500,000 |
| 4. | Temporary shoring | $1,950,000 |
| 5. | Waterproofing | $1,200,000 |
| 6. | Added General Conditions and fees to time extension | $150,000 |
| | **Total Added Cost per level of underground construction** | **$7,733,000** |

**Other Considerations**: Owner shall consider that other associated softs such soft and design works are not included in the above schematic estimate can significantly increase the total cost. These other costs can include but are not limited to the following: Added Design work, Added Permit fees, added insurance, extended financing due to extended construction time, etc.

Echelcon Inc

Gustavo Auqui

Gustavo Auqui
Principal

# City of Santa Cruz
## ENVIRONMENTAL CHECKLIST
### FOR DETERMINATION OF CEQA EXEMPTION

## I. BACKGROUND

1. **Application No:** CP22-00128

2. **Project Title:** Downtown Library and Affordable Housing Project (DLAHP)

3. **Lead Agency Name and Address:**
   City of Santa Cruz Planning and Community Development Department
   809 Center Street, Room 101
   Santa Cruz, CA 95060

4. **Contact Person and Contact Information:**
   Timothy Maier, Senior Planner
   (831) 420-5129; tmaier@cityofsantacruz.com

5. **Project Location:** 113 and 119 Lincoln Street (005-141-11, -21); see Figure 1.

6. **Project Applicant / Sponsor Name and Address:**
   Jim Rendler, For The Future Housing Inc., 945 W Julian Street, San Jose, CA 95126;
   Dixie Baus, Eden Housing, 22645 Grand Street, Hayward, CA 94541
   Owner: City of Santa Cruz

7. **General Plan Designation:** Regional Visitor Commercial (RVC)

8. **Zoning:** Central Business District (CBD), Cedar Street Village Corridor subdistrict

9. **Other Public Agencies Whose Approval is Required:** None known

10. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.31?** Yes

## II. PROJECT DESCRIPTION

**Proposed Project Uses.** The project consists of a Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, Lot-Line Adjustment, Sign Permit, and Heritage Tree Removal Permit to demolish one existing commercial building and surface parking lot and construct the DLAHP, consisting of a new public library, affordable housing units, a parking garage, ground-floor commercial tenant space, and a commercial childcare facility, with associated site improvements.

An application for a Heritage Tree Removal Permit to remove nine heritage trees in conjunction with the proposed project, was submitted to the Director of Parks and Recreation and was approved by the City's Urban Forester on October 18, 2022. The Parks and Recreation Commission considered and denied an appeal to the approval on December 10, 2022. Subsequently, the City Council on January 10, 2023, per applicable provisions of the Municipal Code, "called up" the heritage tree permits so as to assure that all heritage tree issues would be considered by the City Council at the same time the Council considers the other applications for the permits required by the DLAHP.

The proposed project uses would be integrated within a new 273,194-square-foot building, which would range in height from three to eight stories at 50 to 84 feet tall, respectively. The proposed lot-line adjustment would merge the two existing site parcels into one lot. The project also includes a density bonus request as permitted pursuant to state and local regulations with requested waivers and concessions to some development standards as explained in Section II.C. The proposed site plan is shown on Figure 2, and the proposed uses are further described below. Figures 3A and 3B show the proposed project building elevations. Figure 4 provides a conceptual depiction of the proposed building heights.

- *Public Library.* The proposed facility is an approximately 38,000-square-foot public library that would replace the existing downtown library located on Church Street across the street from City Hall. The library would be three stories, featuring two floors with elevated ceilings. The main library entrance is proposed at the mid-block point on Cedar Street, and includes a roof deck at the southwest corner of Cedar and Cathcart Streets.
- *Affordable Housing.* The proposed 100-percent-affordable-housing component includes 124 units located on five stories above the proposed parking garage. The proposed units include 13 studio units of about 450 square feet each, 48 one-bedroom units of approximately 500 square feet each, 31 two-bedroom units of approximately 730 to 840 square feet each, 31 three-bedroom units of approximately 900 to 950 square feet each, and 1 two-bedroom manager's unit. The units are proposed as affordable to extremely low, very-low, and low income households.
- *Parking Garage.* The eastern side of the project site would contain a 243-stall, three-story, above-grade public parking garage with minimal frontage on the street façades on Cathcart and Lincoln Streets. The parking garage would be a Public City Parking Facility with 24-hour access. The City has also considered one level of subterranean parking that would increase the on-site parking by approximately 90 spaces to 336 spaces, and the proposed site plan may be revised to include this option at a later date if directed by the City Council. It is noted that all project technical studies have considered inclusion of one subterranean level of parking, as does this review. The public parking component of the proposed project is intended to replace the existing public parking on the project site and to offset deficits in available downtown parking capacity resulting from approved and anticipated future development projects.
- *Childcare Facility.* A one-story, approximately 1,500-square-foot daycare facility is proposed immediately adjacent to the proposed library. The daycare facility would have

a capacity for a minimum of 16 children. An outdoor play area would be located adjacent to the facility and would be used by children at the facility as well as on-site residents.

- *Commercial Space.* Approximately 11,950 square feet of commercial use is programmed for three stories at the southwest corner below the library roof deck. With demolition of the existing on-site commercial building, the project would result in a net increase of approximately 6,550 square feet of commercial space.

The project includes a density bonus request pursuant to California Government Code sections 65915 – 65918, which was enacted in 1979 to encourage the provision of affordable housing units in the state by offering a combination of benefits to developers. The amount of the density bonus is based on the number of affordable units at each income level that are included in a project. To determine whether a project qualifies for a density bonus, the percentage of affordable units is based on the maximum number of units that would be permitted under the City's zoning code (i.e., the "base density"). The City determined that the base density for the project site is 46 units per acre, which would allow for 72 residential units on the 1.55-acre project site.

Because all of the proposed housing units would be affordable to lower income households, with a base density of 72 units, an 80-percent density bonus over the base density, or up to 130 units, are permitted. (Gov. Code, § 65915(f)(3)(D)(i).) With a base density of 72 units, 14 units (20 percent) of the residential units would be required to be provided as affordable housing units at the low or very-low income level to meet the City's inclusionary housing requirements. However, the project proposes 124 affordable units, of which 19 units (or 26 percent of the base density) would be for extremely low-income households, 59 units (or 82 percent of the base density) would be for very-low-income households, 45 (or 62 percent of the base density) would be for low-income households, and 1 unit would be the manager's unit. Additionally, according to Government Code section 65915(f)(3)(D)(ii), there are no maximum controls on density for projects where all units are affordable to lower income households and that are located within one-half mile of a major transit stop.

One waiver and one incentive/concession have been requested related to building height and the above-ground parking garage that would be required with the requested density bonus. A waiver and incentive/concession are being requested for building height to exceed the 50- and 75-foot maximum per the *Downtown Plan* resulting from placement of the proposed housing component atop the 3-story above-ground parking garage. The project is requesting an exception from the *Downtown Plan*'s maximum height of 50 feet as specified in the Cedar Street Village Corridor subarea of the *Downtown Plan*. The exceedance of the 50-foot height limit is requested as both a waiver and an incentive/concession as explained below.

The *Downtown Plan* establishes a maximum building height of 50 feet above the allowed 35-foot limit in the Cedar Street Village Corridor on the east side of Cedar Street, and allows for an increase of up to 75 feet in the eastern portion of the site that is designated as "Additional Height Zone A," subject to approval of a Design Permit by the City Council. As proposed, the residential component of the project has been sited partially within Additional Height Zone A. An incentive/concession is being requested for exceedance of the 50-foot height limit that

would result from placement of the parking facility at surface level, which is proposed due to the high costs of construction of underground parking. Placement of the parking structure at surface level would cause the height of the building to exceed 50 feet.

The waiver is requested as an additional increase in height beyond 50 feet due to inclusion of the density bonus units; the height would further increase above that resulting from the additional height induced by placement of the parking garage at grade. The residential component is partially placed within the *Downtown Plan*'s Additional Height Zone A, which allows for a request for height of up to 75 feet with approval by the City Council; however, about half of the residential component would encroach into the area outside of Additional Height Zone A, in which the maximum allowable height per the *Downtown Plan* is 50 feet. The waiver is being requested to allow building height to exceed the 50- and 75-foot maximum per the *Downtown Plan* as a result of placement of the proposed housing component above the 3-story above-ground parking garage. The residential component of the site, which covers approximately the eastern half of the project site, would reach 84 feet in height and 91 feet at the building edges including parapets. Compliance with the maximum height of 50 feet as specified in the *Downtown Plan* would require a reduction in the number of stories of the building, and consequently, would: 1) diminish parking capacity necessary to support existing and future downtown development, and 2) eliminate a significant number of housing units, which would physically preclude construction of the number of residential units allowed under state density bonus law. Due to the elevated costs associated with subterranean construction, an incentive/concession has been requested for placement of the parking structure above grade. Reasonable financial documentation has been prepared to justify the request. As proposed, the parking structure's height of approximately 33 feet is less than the 35-foot height as identified in the *Downtown Plan*, demonstrates consistency with the *Downtown Plan*.

**Access and Parking.** Primary vehicular access to the proposed project would be provided along the southeastern portion of the site, from Cathcart Street, via a new one-way alley and parking garage entrance. The new alley would allow one-way access only in the northerly direction on the eastern edge of the project site, from Cathcart Street to Lincoln Street. The parking garage access is off of Cathcart Street, immediately west of the alley, and would allow both ingress and egress. Both access points would be improved with a new driveway approach.

As indicated above, a total of 243 parking spaces are proposed within the public parking garage. The project would also include 258 bicycle parking spaces located throughout the project site, of 140 are proposed Class I spaces that consist of individually enclosed, locked spaces. Class II bike spaces (i.e., bike racks) would be located along the sidewalk building entries and within the public parking garage along the pedestrian entry corridor. In addition, there would be separate, secured bike parking locations inside the parking garage for residential tenants and staff as well as library, daycare, and commercial employees.

The project includes frontage improvements along Cathcart Street, Cedar Street, and Lincoln Street per City standards, including curbs, gutters, and expanded sidewalks. The proposed

sidewalks would be built 10 to 12 feet wide. The project also includes four loading/unloading parking spaces along Cedar Street and five on-street parking spaces along Lincoln Street. A bus stop would be provided on Cedar Street just north of the Cathcart Street.

**Utilities and Stormwater Management.** The project would connect to existing City water, sanitary sewer, and storm drain infrastructure and would be served by other City public services and private utilities for electricity and natural gas. The project would connect to existing sanitary sewer main within Cathcart Street and Cedar Street and to an existing water main in Cathcart Street. Stormwater would be treated on site through a biofiltration area and planters prior to conveyance into existing storm drains on Lincoln, Cedar, and Cathcart Streets.

**Landscaping.** The project would involve the removal of nine heritage trees, as defined by the City's Heritage Tree Ordinance. The project proposes to plant an 14 new 24-inch-box-sized, canopy street trees along the perimeter of the site. On the ground-level, the landscape plan includes new street plantings and raised steel planters which would support various landscape plants and ground cover. The project would be landscaped on the podium level (4th floor), with a garden area, gathering space, raise steel planters, and green roof above the library; these areas would be landscaped with various plants and groundcover. The project would be subject to provisions of the City's Water Efficient Landscape Ordinance pursuant to Chapter 16.16 of the City's Municipal Code.

**Construction Schedule.** The project involves demolition of a single-story commercial building (totaling approximately 5,400 square feet), asphalt pavement throughout the site, and frontage improvements along Cathcart Street, Cedar Street, and Lincoln Street. Construction is expected to occur over approximately 2.5 years, commencing in the year 2024.

**Reuse of the Existing Library.** The proposed project would replace the existing library on Church Street, which is located on an approximate 59,000-square-foot site that includes public parking lots in addition to the existing downtown library. In 2020, the city initiated a reuse visioning process for the existing library that included an extensive public and stakeholder engagement process. Several potential public uses and components were considered and discussed for the existing library site, including parks, plazas, the farmers market, parking, and mixed-use and affordable housing. With input from approximately 550 participants, a "Mixed-Use Housing with Civic Plaza" option received the highest score, followed by a "Plaza + Park" with housing as the second choice. A "Library Structure Re-purposed with Parking" option, which proposed to adaptively re-use the library structure for community or commercial uses, received the lowest score, and ranked lowest amongst the options (SOURCE V.3g[1]).

At this time, there is no City Council-approved direction for the existing library if the proposed project is approved and constructed. While mixed-use housing with a public plaza received the highest ranking in the public visioning process, no option was selected as a preferred option, and other uses, such as community, institutional, or commercial uses, could be also

1 All cited sources/references are identified in Section V at the end of this document.

be proposed as a part of a future project. Therefore, future uses at the existing library are speculative and cannot be reviewed at this time. When specific plans are developed and proposed for the existing library, separate environmental review and permit approvals would be required.

**Relocation of the Farmers Market.** The existing parking lot at the project site is the location of a weekly farmers Market sponsored by the Santa Cruz Community Farmers Markets (SCCFM). The City has been in ongoing discussions with SCCFM since late summer of 2017, working to establish a new permanent location for the Downtown Farmers Market with an improved site, enhanced community space, and opportunity for year-round operations and expansion with special events. One site has been identified that is located one block away from the existing site at City Parking Lot 7 at the corner of Cathcart and Front Streets (City of Santa Cruz 2023).

In October 2022, the City and SCCFM jointly agreed to enter into a Memorandum of Understanding to further define the next steps involved in establishing ongoing temporary and permanent operations of the SCCFM Downtown Farmers Market in downtown Santa Cruz. In a joint statement, both parties acknowledged temporary market locations, developing plans for a market on Lot 7, continuing to identify other locations and funding for a permanent market in downtown, and continued operation of the market at the existing downtown location for the foreseeable future until SCCFM determines that surrounding construction impacts necessitate a relocation to a suitable alternative downtown site identified by SCCFM and the City. Appropriate environmental review and permitting would be conducted at the time a preferred permanent location for the weekly Downtown Farmers Market is selected.

## III. ENVIRONMENTAL SETTING

The project site is located at 113 and 119 Lincoln Street in the City of Santa Cruz (City) on an 1.55-acre (67,921-square-foot) site. The project site is located on the eastern side of Cedar Street, immediately south of Lincoln Street and north of Cathcart Street. The site is bounded by Lincoln Street on the north, commercial development along Pacific Avenue on the east, Cathcart Street on the south, and Cedar Street on the west. The project site spans the full block between Lincoln and Cathcart Streets; see Figure 1.

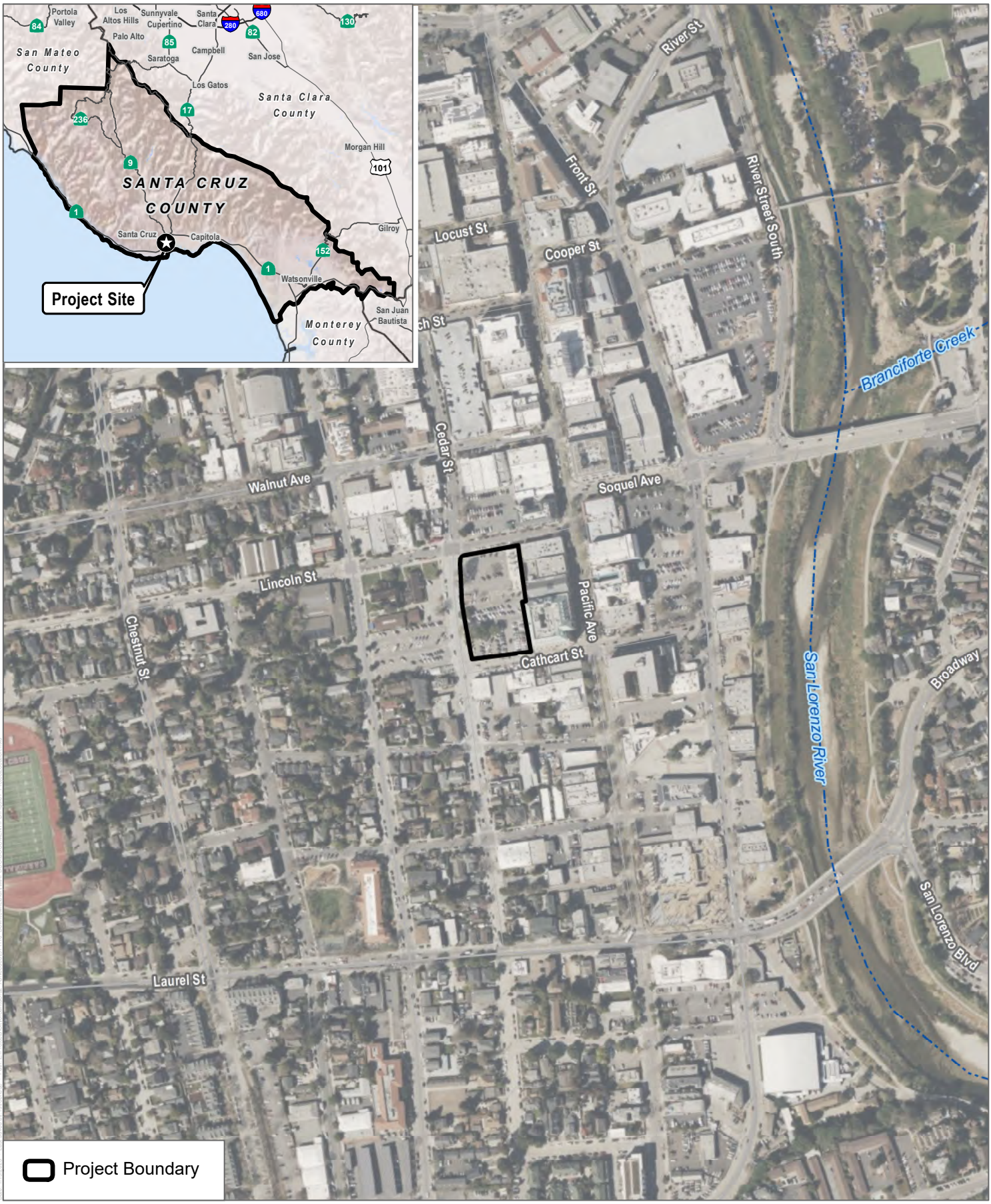
The project site is located in the Cedar Street Village Corridor of *Downtown Plan*. The site is surrounded by primarily developed commercial uses and mixed-use developments within the City's downtown area. An existing church is located to the west of the project site and Cedar Street. Residential uses are located in mixed-used buildings to the east of the project site along Cathcart Street/Pacific Avenue, and several projects are currently under construction in the project vicinity, including a project to the west of the project site and Cedar Street, a project along Pacific Avenue south of Cathcart Street, and a project on Front Street to the east of the project site.

The flat project site is paved and developed with a surface public parking lot that contains 134 parking spaces and one 5,400-square foot commercial building that is currently in use as a fitness gym. The

parking lot is known as “Public Parking Lot 4.” The existing parking lot is the location of a weekly Farmers Market that is held year-round.

The project site contains 12 existing, non-native landscape trees throughout the subject property of varying condition. Of this total, nine trees are considered heritage trees pursuant to City regulations (SOURCE V.15c):

- 4 Southern Magnolia *(Magnolia grandiflora)*
- 2 Chinese Pistache *(Pistachia chinensis)*
- 2 Sweetgum *(Liquidambar styraciflua)*
- 1 Maidenhair *(Ginkgo biloba)*




SOURCE: Bing Maps 2022, County of Santa Cruz 2020, OpenStreetMap

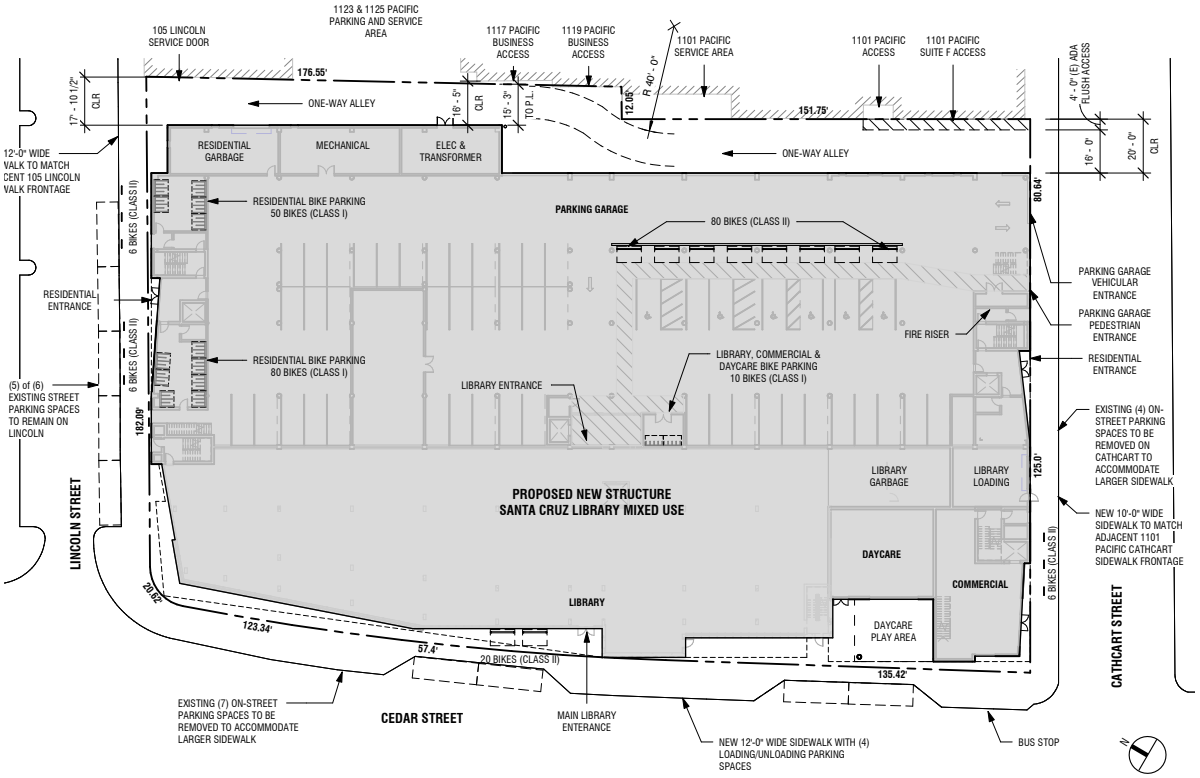
DUDEK

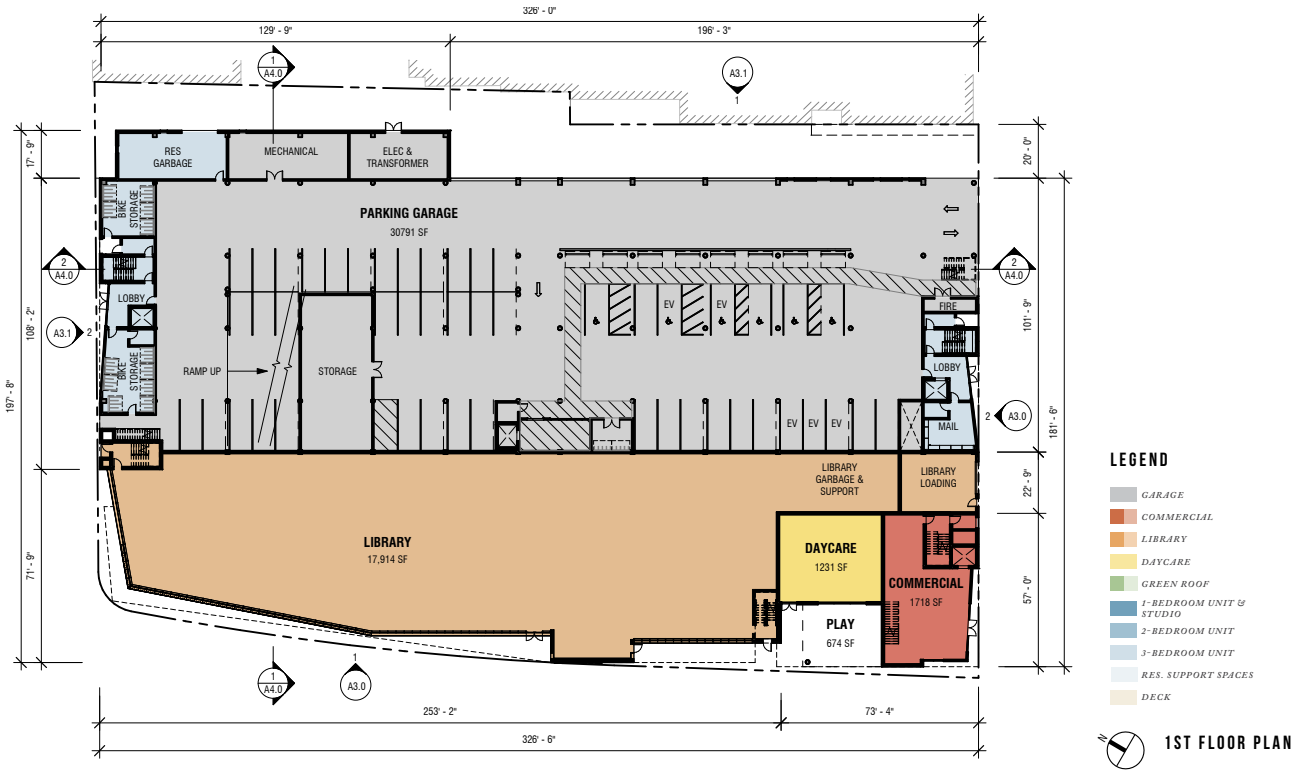
0 200 400 Feet

**FIGURE 1**

Project Location

Downtown Library and Affordable Housing Project




SOURCE: TenOver 2022

**FIGURE 2**

Project Site Plan

Downtown Library and Affordable Housing Project

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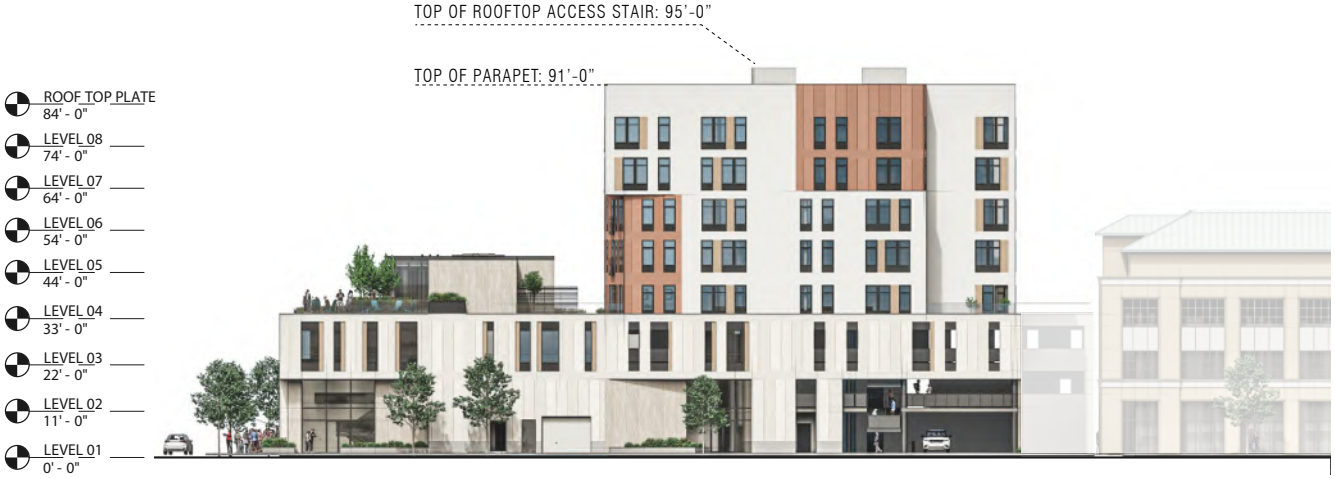
1 WEST ELEVATION




2 SOUTH ELEVATION

SOURCE: TenOver 2022

DUDEK

**FIGURE 3A**

Project Elevations

Downtown Library and Affordable Housing Project

1 EAST ELEVATION

2 NORTH ELEVATION

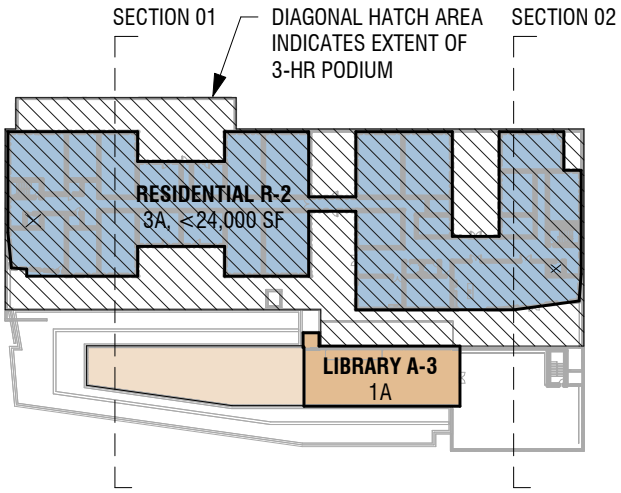
SOURCE: TenOver 2022

DUDEK

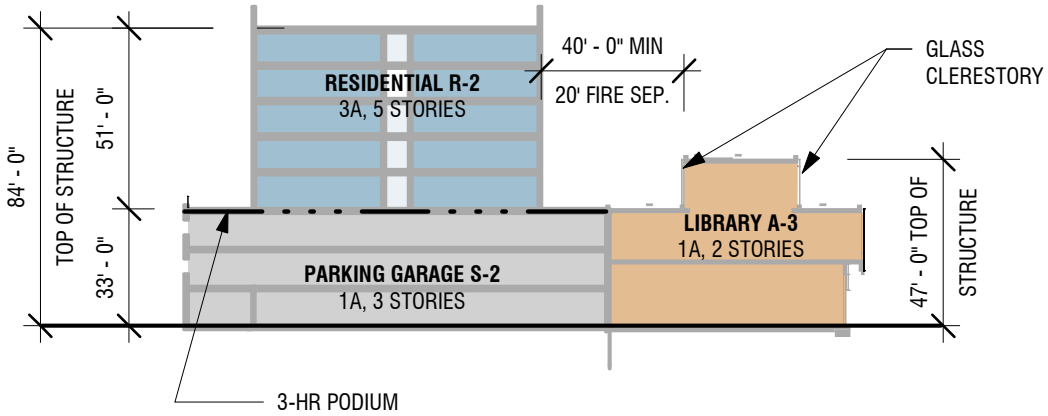
**FIGURE 3B**

Project Elevations

530 Downtown Library and Affordable Housing ProjectStreet

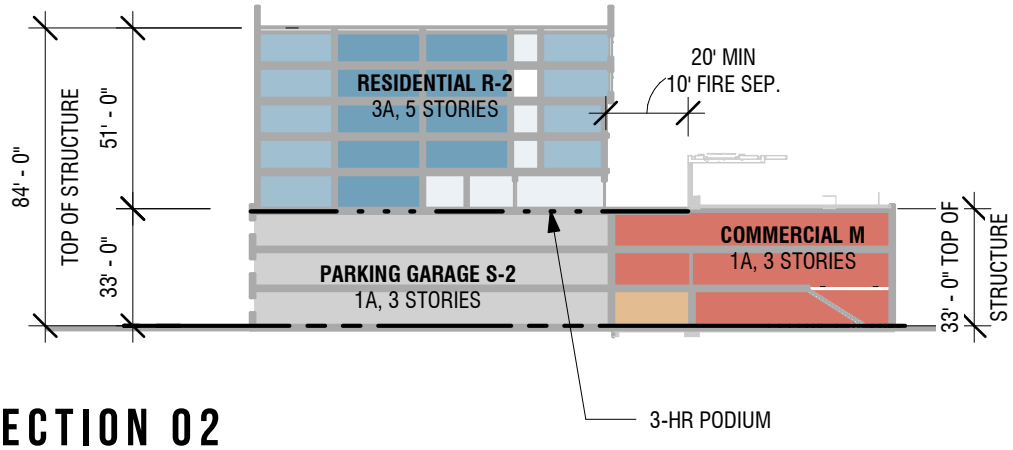



NOTE: ALL HEIGHTS ARE MEASURED FROM TOP OF SLAB




## SECTION 01

NOTE: ALL HEIGHTS ARE MEASURED FROM TOP OF SLAB




## SECTION 02

SOURCE: TenOver 2022

**FIGURE 4**

Project Building Heights

Downtown Library and Affordable Housing Project

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# IV. ENVIRONMENTAL CHECKLIST

## A. Introduction and Background

In analyzing a proposed project, the City may consider whether existing environmental documents already provide an adequate analysis of potential environmental impacts. An earlier analysis may be used where, pursuant to tiering, a program environmental impact report (EIR), or other California Environmental Quality Act (CEQA) provisions, it can be determined that one or more effects have been adequately analyzed in an earlier EIR or negative declaration (State CEQA Guidelines section 15063(b)(1)(C)). If an earlier analysis is used, the Initial Study checklist discussion should identify: a) the earlier analyses and state where they are available for review; b) identify which effects were adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis; and c) describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

CEQA also allows a lead agency to avoid repeating analyses that were already provided in a certified General Plan EIR for a development project that is consistent with the General Plan. Public Resources Code section 21083.3 and its parallel CEQA Guidelines provision, section 15183, provide for streamlined environmental review or exemption for projects consistent with the General Plan for which an EIR was certified. Pursuant to section 21083.3, subdivision (b), if a development project is consistent with the general plan for which an environmental impact report was certified, the application of CEQA shall be limited to effects on the environment which are "peculiar to the parcel or to the project" and which were not addressed as significant effects in the prior environmental impact report, or which substantial new information shows will be more significant than described in the prior environmental impact report. Subdivision (d) further indicates that an effect of a project upon the environment shall not be considered "peculiar to the parcel or to the project," "if uniformly applied development policies or standards" have been previously adopted by the city or county, with a finding based upon substantial evidence, that the development policies or standards will substantially mitigate that environmental effect when applied to future projects, unless substantial new information shows that the policies or standards would not substantially mitigate the environmental effect. CEQA Guidelines section 15183, subdivision (f), adds that "[w]here a city or county, in previously adopting uniformly applied development policies or standards for imposition on future projects, failed to make a finding as to whether such policies or standards would substantially mitigate the effects of future projects, the decision-making body of the city or county, prior to approving such a future project pursuant to this section, may hold a public hearing for the purpose of considering whether, as applied to the project, such standards or policies would substantially mitigate the effects of the project." Under these provisions of CEQA, a project that is consistent with a General Plan that was adopted pursuant to a certified EIR, could be potentially partially or wholly exempt from further CEQA analyses.

Section 15183 provides more detailed guidance than can be found in Public Resources Code section 21083.3 itself. Section 15183, subdivision (b), states that if a project is consistent with an agency's General Plan for which an EIR has been certified, the agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:

(1) Are peculiar to the project or the parcel on which the project would be located;

(2) Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent;

(3) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan, or zoning action; or

(4) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR. (State CEQA Guidelines section 15183(b).)

Guidelines section 15183, subdivision (c), further provides that "if an impact is not peculiar to the parcel or to the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards…then an additional EIR need not be prepared for the project solely on the basis of that impact." "[D]evelopment policies or standards need not apply throughout the entire city or county, but can apply only within the zoning district in which the project is located…. Moreover, such policies or standards need not be part of the general plan or any community plan, but can be found within another pertinent planning document such as a zoning ordinance." (Guidelines, section 15183, subd. (f).)

## B. Use of Earlier Analyses

***General Plan 2030.*** On June 26, 2012, the Santa Cruz City Council adopted the *General Plan 2030* after certifying an EIR for the plan. The *General Plan 2030* EIR includes the Draft EIR volume (September 2011) and the Final EIR volume (April 2012). The General Plan EIR reviewed all of the topics included on the Appendix G environmental checklist in the State CEQA Guidelines as well as all sections required to be included in an EIR.

The General Plan EIR is a "program" EIR prepared pursuant to State CEQA Guidelines section 15168, which reviewed environmental impacts associated with future development and buildout within the City's planning area that would be accommodated by the General Plan. A program EIR can be used for subsequent projects implemented within the scope of the program/plan. Typically, site-specific or new significant impacts that weren't addressed in the program EIR would be evaluated in an Initial Study, leading to preparation of a Negative Declaration, Mitigated Negative Declaration, or EIR. Mitigation measures adopted for the General Plan also would be a part of future development projects, as relevant, and supplemented, as may be necessary, with any site-specific mitigation measures identified in the project-specific environmental review process.

As indicated above, pursuant to Public Resources Code section 21083.3, certain (or potentially all) aspects of a development project that are consistent with a General Plan for which an EIR was certified may be exempt from additional CEQA analyses (i.e., negative declaration, mitigated negative declaration, or EIR) of issues that were adequately covered in the General Plan EIR. The project site is designated Regional Visitor Commercial (RVC) in the City's *General Plan 2030* and is zoned Central Business District (CBD). The proposed mixed-use project is consistent with the General Plan land use designation. According to the General Plan, this designation "applies to areas that emphasize a variety of commercial uses that serve Santa Cruz residents as well as visitors. Mixed-use development is strongly encouraged in RVC districts." For the Downtown Santa Cruz Area, the General Plan indicates that the Regional Visitor Commercial designation "emphasizes a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as entertainment venues," and that "the Downtown Recovery Plan provides detailed requirements for this area." The General Plan allows a floor area ratio (FAR) for the Regional Visitor Commercial (RVC) land use designation in the downtown area of up to 5.0. The project's proposed FAR is 4.08, which is within the allowed FAR established in the General Plan.

While the General Plan 2030 EIR considered the impacts of repurposing, intensifying, and redeveloping existing developed parcels in the City as a whole, specific future development of the project site was not noted or specifically evaluated in the General Plan 2030 EIR, and there were no site-specific impacts identified for the project site. However, as part of the overall estimated buildout, the EIR considered construction of new housing units and non-residential uses in the City with an estimated buildout of 3,350 new residential units and approximately 1,088,000 and 1,273,910 square feet of commercial and office uses, respectively, throughout the City by the year 2030 (SOURCE V.1b, DEIR volume-page 3-13). Since adoption of the General Plan, approximately 2,392 residential units and approximately 436,950 and 41,315 square feet of commercial and office space, respectively, have been constructed or approved throughout the City. Thus, the DLAHP's proposed 124 residential units and 46,050 square feet of non-residential uses would be within the remaining residential and non-residential buildout estimates considered in the city-wide General Plan EIR impact analyses.

It is noted that there are some pending development projects in the City, including in the downtown area that have not been approved, but are expected to be presented to City decision-makers in the near future, and thus, are considered reasonably foreseeable. If approved, these pending projects would include 570 residential units and a net increase of approximately 134,500 square feet of non-residential uses. Even with these pending projects that could be approved in the near future, total residential units (3,086 units) and non-residential development (approximately 687,915 square feet) with the proposed project and other approved and under construction projects would not exceed development estimates considered in the analyses in the General Plan EIR.

The proposed project is located within the "Downtown" neighborhood area that was identified in the General Plan 2030 EIR for the purposes of evaluating potential growth. The

General Plan 2030 EIR identified additional development in the downtown neighborhood to include 299 residential units, approximately 38,900 square feet of commercial space, approximately 4,500 square feet of office space, and 82 hotel rooms. However, it is noted that the "Downtown" neighborhood in the General Plan 2030 EIR encompasses a larger area than is included within the boundaries of the *Downtown Plan* as further described below. In addition, the downtown area located along the San Lorenzo River east of Front Street is located in the "River/Front" neighborhood in the General Plan 2030 EIR, for which potential future development was estimated at 337 residential units and approximately 70,000 and 91,600 square feet of commercial and office space, respectively. Additional potential future development within the area covered in the *Downtown Plan* also was considered with amendments to the *Downtown Plan* that were approved in 2017 as discussed below.

***Downtown Plan*.** The Santa Cruz City Council approved amendments to the *Downtown Plan* (formerly Downtown Recovery Plan [DRP]) in November 2017. The DRP was originally adopted in 1991 to guide reconstruction of the downtown after the 1989 Loma Prieta earthquake that destroyed significant portions of the downtown area. The intent of the DRP was to establish policies, development standards and guidelines to direct the recovery process toward the rebuilding after the earthquake. The DRP was adopted as a specific plan (pursuant to California Government Code requirements) to implement policies in the downtown area. Chapter 4 of the *Downtown Plan*, Development Standards and Design Guidelines, is incorporated by reference in Part 24 of the Zoning Code in the CBD zone.

A series of amendments to the DRP were proposed in 2017, including a change in the plan's name to "Downtown Plan." A program EIR was prepared pursuant to section 15168 of the State CEQA Guidelines, which evaluated effects of the 2017 Plan amendments. The amendments included additional height allowances under specified circumstances and other revised development standards that could lead to potential increased development in the downtown area. The Downtown Plan Amendments EIR evaluated impacts of this level of potential future development and addressed aesthetics, air quality and greenhouse gas emissions, biological resources, cultural and tribal cultural resources, hydrology and water quality, public services, transportation and traffic, water and wastewater utilities, land use, and cumulative impacts.

While the proposed project site is located within the boundaries of the *Downtown Plan*, it is not located in one of the development areas evaluated in the Downtown Plan Amendments EIR, although a new library at the project site was considered in the cumulative impact analysis in the Downtown Plan Amendments EIR.

Potential future development in the downtown area considered in the General Plan and Downtown Plan Amendments EIRs was estimated at approximately 636 residential units and 42,750 square feet of non-residential uses. Additional potential future development within the area covered in the *Downtown Plan* also was considered with amendments to the Downtown Plan that were approved in 2017 to include a net increase of 711 residential units, approximately 2,200 square feet of office space, and a decrease in commercial space of approximately 14,700 square feet as evaluated in the Downtown Plan Amendments EIR;

further discussion of the *Downtown Plan* is provided below. Taken together, approximately 1,347 housing units and approximately 205,053 square feet of non-residential commercial and office space were considered in the analyses in the General Plan 2030 EIR and Downtown Plan Amendments EIR. As indicated above, potential development estimates in the Downtown Plan Amendments EIRs were only estimates developed for the purpose of completing environmental analyses, but were not caps or development limits.

Since adoption of the *General Plan 2030*, approximately 1,200 residential units have been constructed or approved in the "Downtown" and "River/Front" neighborhoods, which include the General Plan neighborhoods included within the boundaries of the *Downtown Plan*, and there has been a net reduction of approximately 3,300 square feet of non-residential space. With the proposed project, cumulative residential units in the downtown area would total 1,324 units, which is slightly below the total number of residential units considered for development (1,347 units) in the General Plan 2030 and Downtown Plan Amendments EIRs. Additionally, with the proposed project, non-residential development would have result in a net increase of approximately 46,050 square feet, which is approximately one-quarter of the amount of non-residential space (205,000 square feet) considered in the General Plan and Downtown Plan Amendments EIRs. Thus, the proposed 124 residential units and 46,050 square feet of non-residential uses are within the amount of development considered in the *Downtown Plan* areas.

It is noted that there is one pending mixed-use development project in the downtown area that has not been approved, but is expected to be presented to City decision-makers in the near future, and if approved, would include 276 residential units and a net decrease in commercial square footage. With this pending project, total residential units would exceed estimates considered in the analyses in the *General Plan 2030* and Downtown Plan EIRs by 250 units, but would still be within the overall development and growth projections considered in the General Plan EIR. In addition, there is one pending non-residential development project that may be considered by City decision makers within the next six months. Although not a mixed-use project like the proposed DLAHP, it would result in addition of approximately 133,600 square feet of commercial space as a new hotel. However, when added to other approved and constructed non-residential space, including the DLAHP, non-residential square footage would be less than the amount considered in the Downtown Plan Amendments EIR and General Plan EIR.

## C. Environmental Checklist Review

The purpose of the checklist presented on the following pages is to evaluate the impact categories covered in the City's certified General Plan2030 EIR and Downtown Plan Amendments EIR to determine whether the project's impacts have been adequately analyzed in the EIRs or whether any new significant impacts peculiar to the project or project site would result. Where an impact resulting from the project was adequately analyzed previously, the review provides a cross-reference to the pages in the General Plan EIR and/or Downtown Plan Amendments EIR where information and analysis may be found relative to the environmental issue listed under each topic. The checklist also identifies whether the project involves new

significant impacts or substantially more severe impacts than analyzed in the General Plan EIR and/or Downtown Plan Amendments EIR or new significant impacts peculiar to the site or project. As indicated above, an impact would not be considered "peculiar" to the site or project if uniformly applied development policies or standards would substantially mitigate an environmental effect. Therefore, the following review includes mitigation measures identified in the Downtown Plan Amendments EIR and/or General Plan EIR that would be applicable to the site or project and/or relevant applicable development policies or standards that would be applied to the project.

The Downtown Plan Amendments EIR and General Plan 2030 EIR are on file at the City's Planning and Community Development Department, 809 Center Street, Room 101, Santa Cruz, California from 7:30 to 11:30 AM, Monday through Thursday. The documents are also available for review on the City of Santa Cruz Planning Department's website at:

- *General Plan 2030* and EIR at: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/long-range-policy-planning/general-plan
- Downtown Plan Amendments EIR at: https://www.cityofsantacruz.com/Home/Components/BusinessDirectory/BusinessDirectory/101/2849

## D. Conclusion

Based on the following review, it has been determined that the City's General Plan 2030 EIR has adequately addressed the following issues, and no further environmental review is required pursuant to Public Resources Code section 21083.3: aesthetics (scenic views, scenic resources, visual character); agricultural and forest resources; air quality (conflicts with Air Quality Management Plan, project emissions, sensitive receptors, odors); biological resources (special status species, riparian, wetland or other sensitive habitat, conflicts with plans); cultural resources (historical resources); energy; greenhouse gas emissions (conflict with plans); hazards/hazardous materials (use/disposal of hazardous materials, create hazard, airport safety, emergency response, wildfire hazards); hydrology-water quality (groundwater, flood risk, conflicts with plans); land use; mineral resources; noise and vibration; population and housing; public services; recreation; transportation (conflicts with program, policy, design, emergency access); utilities (infrastructure, wastewater treatment, solid waste disposal); and wildfire.

The following site-specific impacts have been analyzed and determined to be less than significant due to substantial mitigation resulting from General Plan policies, zoning regulations and/or development standards that are uniformly applied to development projects throughout the City: aesthetics (light and glare); biological resources (nesting birds, conflicts with local tree ordinance); cultural resources (archaeological resources, human burials); geology and soils (seismic, geologic hazards, erosion, soils, paleontological resources); greenhouse gas emissions; hazards/hazardous materials (exposure to hazardous materials); hydrology/water quality (drainage and water quality); transportation (conflict

with CEQA Guidelines); tribal cultural resources; utilities (water supply); and cumulative impacts. Thus, pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183, no further environmental analysis is required.

## E. Checklist and Discussion

| 1. AESTHETICS<br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Have a substantial adverse effect on a scenic vista? | DEIR pp. 4.1-9 to 4.1-10<br>FEIR pp. 4-41, 43 | DEIR pp. 4.3-2 to 4.3-7, 4.3-13 to 4.3-15<br>FEIR pp. 3-2 | No | No | None |
| b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway? | DEIR p. 4.1-11<br>FEIR pp. 4-41 | DEIR pp. 4.3-14 to 4.3-17 | No | No | None |
| c) In non-urbanized areas, Substantially degrade the existing visual character or quality public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | DEIR pp. 4.1-11 to 4.1-16<br>FEIR pp. 4-41-43, 4-74, 4-89 | DEIR pp. 4.3-7 to 4.3-8, 4.3-15 to 4.3-19<br>FEIR pp. 3-2 | No | No | Design Review & Permit Requirements Municipal Code section 24.08.400-430, *Downtown Plan* development standards |
| d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | DEIR pp. 4.1-16 to 4.1-17 | DEIR pp. 4.3-19 to 4.3-20 | No | No | Municipal Code section 24.14.266 Standard Condition of Approval to prevent offsite lighting |

(a) Scenic Views. The project site is located in the developed downtown area of the City of Santa Cruz. The visual character of downtown is defined by existing development along tree-lined streets. The General Plan indicates that prominent scenic views mostly are those that are oriented toward Monterey Bay and the Pacific Ocean or toward the Santa Cruz Mountains that frame the northern boundary of Santa Cruz (SOURCE V.1b, DEIR volume). According to maps developed for the City's *General Plan 2030* and included in the General Plan EIR (SOURCE V.1b-DEIR Figure 4.3-1), the project site is not located within any mapped panoramic view areas and is not located within proximity to identified

visual landmarks. The project is located in a developed, urban area, and no scenic views are available from the project site. Urban views, including those of the downtown project area, are identified along the San Lorenzo levee, (SOURCE V.1b, DEIR volume), further east of the project site.

The General Plan EIR, which comprehensively addressed visual impacts associated with new population growth and development, concluded that most of the future development accommodated by the General Plan would not be in areas that are part of a public scenic view. The EIR discussed several limited areas in which potential disruption to scenic views could occur with future development, but the project site is not located within these areas. None of the General Plan policies and actions directed toward protection of scenic views are applicable to the project as no scenic views would be affected by the proposed project. The Downtown Plan Amendments EIR concluded that construction of buildings with increased height and FAR allowed under the *Downtown Plan* amendments would not obstruct or remove scenic views downtown.

The proposed project would not have an adverse effect on a scenic view as none have been identified, mapped or observed that include the project site. Thus, the proposed project would not result in impacts peculiar to the project or the site or substantially more severe impacts than evaluated in the General Plan 2030 EIR and Downtown Plan Amendments EIR, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Scenic Resources. There are no designated state scenic highways or roads within the City. The project site is not located near a state scenic highway. The project site is developed with one commercial building and a paved, public parking lot. There are no structures or features on the project site that would be considered scenic resources. As described above in Section IV.E.1(a), the project site is not in proximity to and would not impact any "visual landmarks" identified in the General Plan EIR.

The General Plan EIR concluded that, with implementation of General Plan policies and actions, future infill development accommodated by the Plan would not result in significant impacts to scenic resources. The General Plan seeks to preserve natural features that visually define areas and provide scenic benefits (CD1.1), as well as to protect significant vegetation that provides scenic value (CD 4.3.3). The Downtown Plan Amendments EIR determined that development allowed under the *Downtown Plan* amendments would not have an adverse effect on scenic resources as none are present in the downtown area.

The project would result in the removal of 12 existing trees that are on the project site; nine of the trees to be removed are considered heritage trees under City regulations. Although nine to be removed are of heritage size as defined by City regulations, and several trees are larger trees that are visible along Cedar Street and in the immediate vicinity of the project site, the trees are not visible from a wide-ranging area, are not visually prominent or distinctive, and are not considered scenic resources. Thus, the project would not have an impact on scenic resources. For these reasons, the proposed project would not result in impacts to scenic resources that would be peculiar to the project or the site or substantially more severe than evaluated in the General Plan 2030 EIR and in the Downtown Plan Amendments EIR, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(c) Effects on Visual Character. The project site is developed and surrounded primarily by developed commercial uses and mixed-use developments within the City's downtown area. An existing church is located to the west of the project site and Cedar Street. Residential uses are located in mixed-used buildings to the east of the project site along Cathcart Street/Pacific Avenue, and several projects are currently under construction in the project vicinity, including a project to the west of the project site and Cedar Street, a project along Pacific Avenue south of Cathcart Street, and a project on Front Street to the east of the project site.

The General Plan 2030 EIR concluded that most of the future development accommodated by the General Plan would not substantially degrade the visual character of surrounding areas with implementation of General Plan policies and actions to develop design guidelines and review development to protect "distinctive design characteristics" and landmarks of neighborhoods (CD2.1, CD2.3) in combination with continued application of design review as part of Design Permit approvals.

As set forth in the General Plan, the *Downtown Plan* provides the detailed development requirements for the Downtown area. The Downtown Plan Amendments EIR analyzed potential aesthetics impacts related to allowing increased heights in the downtown area, although no site-specific development plans for any particular parcel were available or reviewed, and the project site was not included in one of the "additional height" areas evaluated in the EIR. However, the *Downtown Plan* does allow development with taller buildings and standards such as building recesses, required upper floor stepbacks, and recessed breaks to promote the appearance of multiple buildings of varying heights, and to avoid the development of monolithic building. As a result, the *Downtown Plan* concluded that building mass of taller buildings would be broken up and there would not be full site area coverage where additional heights may be allowed. The *Downtown Plan* also includes design guidelines and standards that address architectural features, including building facades and windows, as well as building materials, colors, and lighting. Furthermore, the Downtown Plan Amendments EIR indicated that the continued landscaping with street trees, specifically along Pacific Avenue and Front Street, would further screen upper floors, soften views of building mass from distant views, and maintain pedestrian-level building scale, which would be applicable to other downtown areas as well.

The Downtown Plan Amendments EIR concluded that with implementation of requirements to limit the footprint of taller building area, provision of recesses, implementation of design treatments to minimize building mass, and compliance with the *Downtown Plan* development standards and design guidelines, potential intensified development resulting from potential additional allowed heights would not significantly alter the visual character of the downtown area.

This conclusion also is consistent with CEQA (Public Resources Code section 21099), which provides that aesthetic impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment, although design review would still be required pursuant to local City requirements and regulations. "Infill site" means a lot located within an urban area that has been previously developed, or on a vacant site where at least 75 percent of the perimeter of the site adjoins, or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses. "Transit priority area" means an area within one-half mile of a major transit stop that is existing or planned.

The project qualifies as mixed-use project on an infill site in a transit priority area (approximately 350 feet northwest of the Santa Cruz Metro Center on Pacific Avenue).

The proposed project is located in the Cedar Street Village Corridor of the *Downtown Plan*. East of Cedar Street, where development may be allowed to exceed 35 feet on a discretionary basis to a maximum height of 50 feet (4 floors maximum). The granting of additional height above 35 feet is discretionary and requires a Design Permit with the recommendation of the Planning Director to the City Council, which must approve the additional height. In addition, approximately 50 feet on the eastern edge of the project site is located within "Additional Height Zone A," which allows building heights to 75 feet with specified development standards. The granting of building height above the 55-foot base height limit in Additional Height Zone A is discretionary and requires a Design Permit with the recommendation of the Director of Planning to the City Council, which must approve the additional height. Projects that qualify for a density bonus as allowed under either State law or City-adopted density bonus ordinance are eligible for the additional height increase. It also is noted that the *Downtown Plan* indicates that projects that closely conform to the development standards, but with slight variations may be considered upon demonstration that the resulting project will better achieve stated Plan and community objectives. Such variations shall be minor in nature and must receive a positive recommendation from the Planning Director, with final approval by the City Council (section J.1).

The three-story elements of the proposed project (parking garage and commercial space) have a height of 33 feet, which is below the 35-foot height limit established in the *Downtown Plan*. The proposed library also is generally under 35 feet in height except for one element that extends to 47 feet in height, but does not exceed 50 feet in height which is allowed with discretionary approval. The 5-story residential component of the proposed project reaches a height of 84 feet (and 91 feet with parapets), which exceeds both the 75-foot maximum height allowed in "Additional Height Zone A" in the eastern portion of the site and also the 50-foot height limit on the portion of the site not located in the "Additional Height Zone A". Figure 4 provides a conceptual depiction of the proposed building heights.

The proposed project is eligible for requesting additional height to 75 feet for the eastern portion of the site located within "Additional Height Zone A" if the City makes findings that the project is consistent with the following overarching City objectives (*Downtown Plan*, pages 72-73):

i. The additional height will help to achieve the First Principles of the *Downtown Plan* (e.g. form, housing, accessibility and open space).

ii. The additional height will contribute to an improved social and economic environment by including new housing.

iii. The form of the development promotes the appearance of a grouping of buildings rather than large, monolithic building masses.

iv. The development receiving additional height will physically and/or financially contribute its fair share (through an Improvement District, Development Agreement or similar mechanisms) to the implementation of internal pedestrian connections between Pacific Avenue and Front Street.

v. The additional height will help to meaningfully achieve one or more of the following key community objectives, including but not limited to: Affordable Housing, Day Care Center, exceed Green Building minimums, Incubator Space for Small Business, Public Access Easements, Public Right-of-way Improvements, Publicly Accessible Open Space, Structured or Shared Parking, and Transportation Demand Management concepts.

The proposed project would result in a building height of 84 feet, which is higher than other buildings in the immediate vicinity due to the requested waiver required for qualifying projects that include density bonus units. The height also exceeds the additional 75-foot heights that could be allowed on the eastern portion of the project site. However, the proposed project is similar in height and scale as three approved mixed-use projects in the downtown area that are also designated RVC in the *General Plan 2030*, and which have approved heights of 81 to 85 feet. Furthermore, the *Downtown Plan* permits additional height to 85 feet in the area to the east of the project site between Pacific Avenue and Front Street on the west and east, and Cathcart Street and Laurel Street on the north and south, respectively. The additional 85-foot height can also be allowed on the west side of Front Street between Cathcart Street and Soquel Avenue. In addition, there are two other buildings in the downtown area that exceed 80 feet in height, the Palomar Hotel and 110 Cooper Street (City of Santa Cruz 2017). Therefore, there are other existing, approved, and under construction projects with similar or slightly greater heights than the proposed project, and existing City plans allow for height up to 85 feet under specified conditions in the immediate vicinity of the proposed project. Therefore, the proposed building height for the residential portion of the building, which exceeds the allowable additional building height, would not in and of itself be considered an unusual feature of the project because other buildings of similar size exist, are under construction, or could be constructed under existing city plans and regulations on similarly sized, infill sites as the proposed project.

The proposed project's building height for the residential portion of the project would visually appear as a taller building with one or two stories visible behind existing buildings on Pacific Avenue. Given other buildings approved and being constructed in the downtown area and elsewhere in the city, the additional height would not, when viewed in proximity of other larger buildings, be considered an unusual circumstance. Additionally, the taller portion of the building is primarily confined to the eastern edge of the site, with lower building heights that are consistent with City standards being located along the Cedar Street frontage. This is consistent with the *Downtown Plan*'s standards call for horizontal and vertical variation to create the appearance of multiple buildings that are more in keeping with the surrounding area. The Plan states that "Additional height – even up to 85 feet in the Additional Height Zone A – can be absorbed appropriately if it is confined to a portion of a property, rather than as a massive block, terraced back from the street."

As indicated in the Downtown Plan Amendments EIR, there is no required presumption under CEQA that taller buildings are necessarily a substantial adverse change in the existing visual environment. Such determinations are made on a case-by-case basis at a lead agency's discretion and in consideration of the relevant environmental setting or context, which here, is a nearly fully developed urban area. Future proposed buildings with additional height would not be considered to be substantially out of scale with other existing buildings in the downtown area (City of Santa Cruz 2017).

The City has found that the proposed project is consistent with the overarching objectives of the *Downtown Plan*, although the 5-story residential component exceeds both the 75-foot maximum height allowed in "Additional Height Zone A" in the eastern portion of the site and also the 50-foot height limit on the portion of the site not located in the "Additional Height Zone A".

As described in Section II, Project Description, the proposed project will be reviewed through the Design Permit process. Per section 24.08.400 of the Municipal Code, the purpose of the City's Design Permit review is to "promote the public health, safety and general welfare through the review of architectural and site development proposals and through application of recognized principles of design, planning and aesthetics and qualities typifying the Santa Cruz community." To receive Design Permit approval, the project would require findings from the City's approving body. Design Permit review and approval would be considered an application of uniformly applied development standards, which would reduce potential visual character impacts to a less-than-significant level.

The City of Santa Cruz is an "urbanized area" under the definition of the term in CEQA Guidelines section 15387. Per the CEQA Guidelines Environmental Checklist (Appendix G) question that was amended subsequent to the certification of the General Plan EIR, the City need not specifically consider existing visual character or the quality of the existing views and the project's potential effect on them. Nonetheless, this analysis has considered these issues and concludes that the project would not substantially degrade the existing visual character of the site or its surroundings, nor the quality of the views to or from the site as described above. In an urbanized area, a project that conflicts with applicable zoning and other regulations governing scenic quality could be considered to result in a significant impact. However, there are no regulations governing scenic quality applicable to the project site. There are some regulations regarding scenic views in the coastal zone, but the project is not located in the coastal zone.

The additional height allowed by an approved waiver pursuant to the density bonus law would not be considered to conflict with zoning standards. The court decision in *Wollmer v. City of Berkeley* expressly held that the waivers a city was required to grant for a density-bonus-eligible project did not result in planning and zoning inconsistencies that disqualified the project from the categorical exemption for in-fill development, because the mandatory nature of the waivers meant that those waived standards were inapplicable to the project. The Court found that "taking these laws together as they operate in the context of a density bonus project, it is clear that the waived zoning standards are not "applicable" and that the requirements of Guidelines section 15332, subdivision (a) were met." Therefore, based on the City's analyses and the *Wollmer* decision, the project with density bonus units and the requested height waiver is consistent with the zone district designation and all applicable zoning regulations.

Furthermore, as previously indicated, CEQA (Public Resources Code section 21099) states that aesthetic impacts of a residential, mixed-use residential, or employment center project on an in-fill site within a transit priority area shall not be considered significant impacts on the environment, although design review would still be required pursuant to local City requirements and regulations. The project site is considered an in-fill site and also is located within a transit priority area. City staff has reviewed the project and made the required findings for issuance of a Design Permit.

There are no other applicable zoning and other regulations governing scenic quality. Therefore, the proposed project would not result in aesthetic impacts peculiar to the project or the site or substantially more severe impacts than evaluated in the General Plan 2030 EIR and would not substantially degrade the visual character of the site or area, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(d) Light and Glare. The project would not result in introduction of a major new source of light or glare, although there would be introduction of windows and typical exterior building lighting. This type of lighting would be oriented so as to not create off-site light. Exterior building lighting would be further reviewed by City staff as part of the Design Permit review.

The General Plan EIR concluded that new infill development accommodated by the plan could result in potential sources of light and glare, but would not result in creation of "substantial" new sources of light and glare or result in a significant impact. The EIR indicated that infill buildings would have standard window and exterior lighting treatments, but would not be expected to result in new sources of substantial light or glare as future development projects would largely replace or redevelop existing urban uses. Exterior lighting would be included as part of the development, but would be typical of exterior building lighting in the downtown area, and would not result in nighttime illumination levels beyond the property line. Additionally, section 24.14.266 of the City's Municipal Code prohibits direct or sky-reflected glare. Furthermore, the Design Permit review that is required for most larger development projects would ensure project compliance with City standards and regulations.

The Downtown Plan Amendments EIR indicated that exterior building lighting would be further reviewed as part of the Design Permit review for future site-specific developments, which would be conditioned to install lighting such that it is directed downward and would not create light onto adjacent properties. The Downtown Recovery Plan requires buildings to provide low-level lighting in the building façade. Therefore, the EIR concluded that the Plan amendments and future development would not result in a significant impact related to creation of a new source of substantial light or glare.

Therefore, the proposed project would not result in new or substantially more severe light and glare impacts than evaluated in the Downtown Plan Amendments EIR and the General Plan 2030 EIR. Details of lighting would be reviewed by City staff as part of the Design Permit. A standard condition of approval requires all exterior lighting required to be shielded to contain the light source in a downward direction and avoid glare and illumination of adjacent properties. An approved Design Permit, including findings pursuant to Municipal Code section 24.08.430 and inclusion of a standard condition of approval regarding shielding of exterior lighting would be considered application of uniformly applied development standards that would substantially reduce light and glare impacts. There would be no light and glare impacts peculiar to the project or the site with uniformly applied development standards imposed as part of the design review process. Thus, no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 2. AGRICULTURE AND FOREST RESOURCES[2]<br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | DEIR Appendix A p.23 | DEIR pp. 4.15-3, 4.15-6 to 4.15-8 | No | No | None |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | DEIR Appendix A p.23 | DEIR pp. 4.15-3, 4.15-6 to 4.15-8 | No | No | None |
| c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | DEIR Appendix A p.23 | DEIR pp. 4.15-3, 4.15-5 to 4.15-6 | No | No | None |
| d) Result in the loss of forest land or conversion of forest land to non-forest use? | DEIR Appendix A p.23 | DEIR pp. 4.15-3, 4.15-5 to 4.15-6 | No | No | None |
| e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use? | DEIR Appendix A p.23 | DEIR pp. 4.15-3, 4.15-5 to 4.15-8 | No | No | None |

The project site is located within the developed urban area of the City of Santa Cruz. The project site does not contain prime farmland or other agricultural lands as mapped on the State Farmland Mapping and Monitoring Program (SOURCE V.1b, DEIR Figure 4.15-1). The site is not designated for

[2] In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement Methodology provided in Forest Protocols adopted by the California Air Resources Board.

agricultural uses in the City's General Plan and is not located adjacent to agricultural lands. The project site is not zoned Timberland Preserve.

The General Plan EIR concluded that future development accommodated by the *General Plan 2030* would not result in conversion of agricultural or forest or timber resource lands or conflict with agricultural or timberland zoning within the City or its Sphere of Influence. The General Plan EIR further concluded that potential future development accommodated by the General Plan could be sited adjacent to agricultural lands in two limited areas outside City limits, and that with implementation of the *General Plan 2030* goals, policies and actions aimed at preventing conversion of agricultural lands and the maintenance and establishment of adequate buffers between adjacent land uses, there would be no conflicts between future development and agricultural uses. The Downtown Plan Amendments EIR noted that no agricultural lands or timber resources are located in the downtown area. The General Plan EIR concluded that impacts to agriculture and forest resources would not occur or would be less than significant as a result of future development accommodated by the General Plan.

The project site is not located in the areas adjacent to agricultural lands or timber resources. The proposed project would not result in conversion of agricultural or forest lands, as these resources are not present on or adjacent to the project site. Therefore, the proposed project would not result in impacts on agriculture and forest resources that would be peculiar to the project or the site or substantially more severe than evaluated in the Downtown Plan Amendments EIR and the General Plan 2030 EIR, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| **3. AIR QUALITY[3]**<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Conflict with or obstruct implementation of the applicable air quality plan? | DEIR pp. 4.2-17 to 4.2-18 | DEIR pp. 4.11-11 to 4.11-12, 4.11-15 to 4.11-18<br>FEIR p. 3-24 | No | No | GP EIR Mitigation 4.11-1 |
| b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? | DEIR pp. 4.2-19 to 4.2-21DEIR p. 5-8 | DEIR pp. 4.11-6 to 4.11-7, 4.11-9 to 4.11-10, 4.11-18 to 4.11-34<br>FEIR pp. 3-24 to 3-26 | No | No | GP Policies & Actions HZ 2.2, HZ2.2.1, HZ2.2.2, LU1.2, LU1.2.1 that require project level reviews |

[3] Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.

| 3. AIR QUALITY[3]<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| c) Expose sensitive receptors to substantial pollutant concentrations? | DEIR Appendix A pp. 25 to 26 | DEIR pp. 4.11-7 to 4.11-8, 4.11-10 to 4.11-11, 4.11-18, 4.11-24 to 4.11-26 | No | No | None |
| d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? | DEIR Appendix A p. 26 | DEIR pp. 4.11-26 to 4.11-27 | No | No | Municipal Code section 24.14.264 |

(a) Conflict with Air Quality Management Plan. In 1991, the Monterey Bay Air Resources District (MBARD), formerly the Monterey Bay Unified Air Pollution Control District (MBUAPCD), adopted the Air Quality Management Plan (AQMP) for the Monterey Bay Region in response to the California Clean Air Act of 1988, which established specific planning requirements to meet the ozone standards. The California Clean Air Act requires that AQMPs be updated every three years. The MBARD has updated the AQMP seven times. The most recent update, the *2012-2015 Air Quality Management Plan* (2016 AQMP), was adopted in 2017. The 2016 AQMP relies on a multilevel partnership of federal, state, regional, and local governmental agencies. The 2016 AQMP documents the MBARD's progress toward attaining the state 8-hour ozone standard, which is more stringent than the state 1-hour ozone standard. The 2016 AQMP builds on information developed in past AQMPs and updates the 2012 AQMP. The primary elements from the 2012 AQMP that were updated in the 2016 revision include the air quality trends analysis, emission inventory, and mobile source programs (SOURCE V.10a).

For population-related projects, the MBARD developed a procedure that compares existing, under-construction, and approved residential dwelling units with AMBAG's housing unit forecast for a jurisdiction, as dwelling units are closely related to population and can be tracked within local jurisdictions; therefore, the number of dwelling units is used as the method for determining consistency with the AQMP. Consistency of indirect emissions associated with commercial, industrial, or institutional projects intended to meet the needs of the population as forecast in the AQMP is determined by comparing the estimated current population of the county in which the project is to be located with the applicable population forecast in the AQMP. If the estimated current population does not exceed the forecasts, indirect emissions associated with the project are deemed to be consistent with the AQMP. Projects which are consistent with AMBAG's regional forecasts have been accommodated in the AQMP and are therefore consistent with the AQMP (SOURCE 8a and 8b).

The MBARD's most recent 2015 AQMP utilized AMBAG's 2014 Regional Growth Forecast. The City had 24,250 existing dwelling units as of January 1, 2022 (California Department of Finance 2022), and

approximately 1,711 residential units are under construction or have been approved throughout the City, including residential development at the University of California Santa Cruz (UCSC)4. With the addition of these units, the City's housing units would total 25,961dwelling units. That number would increase to 26,085 dwelling units with the addition of the proposed project, which is below the AMBAG Regional Growth Forecast of 28,297 dwelling units for the year 2030 that were factored into the AQMP. Similarly, City population with the proposed project and other approved and under-construction housing units would total 70,607, which is below the AQMP forecast of 73,375 in the year 2030, and thus, the non-residential components of the proposed project, which are intended to serve the local population, would be consistent with the AQMP. Therefore, the proposed project would be consistent with the AQMP, and would not conflict with or obstruct implementation of the AQMP.

The General Plan 2030 EIR concluded that future development accommodated by the Plan could result in development of dwelling units that exceed regional projections, which could result in conflicts with the AQMP according to the MBARD's methodology for determining consistency. The General Plan EIR includes a mitigation measure (Mitigation 4.11-1) that directs City staff to work with AMBAG staff in future updates of population and housing forecasts and indicates that the potential population growth and housing unit increase exceedance would not occur for at least 10+ years, if it occurs at all. Subsequent to adoption of the General Plan, AMBAG updated and adopted regional population and housing forecasts in June 2014, June 2018 and June 2022. At this time, the City's residential population and existing and approved housing units, including those under construction, do not exceed adopted regional housing forecasts upon which the existing AQMP as explained above. Thus, there would be no impact related to conflicts with the current adopted AQMP. The Downtown Plan Amendments EIR also determined that growth that could be accommodated by the *Downtown Plan* amendments would be within the AMBAG forecast at the time and, thus, would not conflict with or obstruct implementation of the AQMP (based on the 2014 Regional Growth Forecast).

Given the foregoing, the proposed project would not result in impacts related to conflicts with the AQMP that would be peculiar to the project or the site or substantially more severe than evaluated in the General Plan 2030 EIR and in the Downtown Plan Amendments EIR, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

<u>(b) Project Criteria Pollutant Emissions</u>. The U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) have established ambient air quality standards that are the maximum levels of ambient (background) air pollutants considered safe, with an adequate margin of safety to protect public health and welfare. Criteria pollutants include ozone ($O_3$), nitrogen dioxide ($NO_2$), carbon monoxide (CO), sulfur dioxide ($SO_2$), inhalable particulates ($PM_{10}$), fine particulates ($PM_{2.5}$), and lead. High $O_3$ levels are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides ($NO_x$), which react under certain meteorological conditions to form $O_3$. In

4 Residential projects at UCSC are primarily student housing projects, and there is one approved employee housing project. In general, part-year student housing is considered group quarters and year-round faculty / student family housing is counted as housing units (SOURCE V.4a). For the 2014 forecast used in the AQMP, University population and housing projections were completed separately from jurisdiction population projections (SOURCE V.4c). For the purpose of this review and in accordance with current AMBAG guidance, approved employee housing is considered as housing units, and student housing is considered group quarters and is not included as housing units, but the population accommodated by new student housing is included in the population estimates.

California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. An area is designated as "in attainment" when it is in compliance with the federal and/or state standards, as further discussed below.

The project site is located within the North Central Coast Air Basin (NCCAB), which is under the jurisdiction of the MBARD and includes Santa Cruz, Monterey, and San Benito Counties. The NCCAB is designated attainment for the federal $PM_{10}$ and $SO_2$ standards, and is designated attainment/unclassified for the other federal standards. The NCCAB is designated attainment for the state $PM_{2.5}$, $NO_2$, $SO_2$, and lead standards, and is designated unclassified for CO in Santa Cruz County. The NCCAB has nonattainment designations for state $O_3$ and $PM_{10}$ standards.

The MBARD 2012-2015 AQMP, adopted March 15, 2017, identifies a continued trend of declining $O_3$ emissions in the NCCAB primarily related to lower vehicle miles traveled (VMT), showing that the region is continuing to make progress toward meeting the state $O_3$ standard during the three-year period reviewed (SOURCE V.10a).

The General Plan 2030 EIR concluded that future development accommodated by the Plan could result in air pollutant emissions, but overall future emissions of ozone precursor pollutants are projected to decrease or remain nearly unchanged over the next 20 years, and thus, project-level emissions would not contribute to existing or potential future violations of air quality standards related to $O_3$. The General Plan EIR further concluded that, while $PM_{10}$ emissions would increase, compliance with MBUAPCD significance criteria at a project level would ensure that emissions would not exceed daily standards. It was also found that vehicular emission rates are anticipated to lessen in future years due to continuing improvements in automobile and fuel efficiency and new regulations and programs adopted by the state of California that are scheduled to be phased in over the life of the proposed General Plan, and such reductions are factored into the air quality models used to estimate emissions.

Furthermore, the *General Plan 2030* includes goals, policies and actions that set forth measures to avoid and minimize adverse impacts on air quality, including environmental review to address project-level emissions, requiring project-level mitigation measures, and reduction of vehicle trips and emissions. General Plan policies and actions LU1.2, LU1.2.1 and HZ2.2.1 (as modified by the General Plan EIR) are intended to ensure that new development does not result in creation of air pollution and implements measures set forth by the MBARD as part of future project-level review. Specifically, Action HZ2.2.1 requires future development projects to implement applicable MBARD control measures and/ or air quality mitigations in the design of new projects as set forth in the District's "CEQA Guidelines." General Plan Action HZ2.2.2 permits major indirect sources of air pollution only if transportation measures are provided to reduce impacts to a less-than-significant level, consistent with applicable MBARD-recommended mitigation and control measures as set forth in the District's CEQA Guidelines. The policies and actions require future project-level review and implementation of mitigation measures, if warranted, consistent with the adopted standards in the MBARD's CEQA Guidelines. The General Plan EIR concluded that with implementation of the General Plan policies and actions, compliance with MBARD requirements and air quality control measures, and adherence to MBARD permit requirements, contributions to air pollutant emissions and air quality impacts would be less than significant.

The Downtown Plan Amendments EIR concluded that future development accommodated by the *Downtown Plan* amendments would result in construction-related emissions of air pollutants, but that the impact would be less than significant with implementation of General Plan policies and MBARD-recommended measures to control construction emissions, as applicable. The Downtown Plan Amendments EIR determined that operational emissions would not exceed emissions thresholds.

The proposed project would result in construction of a mixed-use development, consisting of a new public library, 124 affordable housing units, a net increase of approximately 6,550 square feet of commercial space, a childcare facility, and public parking. The project would indirectly generate air pollutant emissions through new regional vehicle trips. Project construction could result in generation of dust and $PM_{10}$ emissions as a result of site excavation and grading. According to MBARD's *CEQA Air Quality Guidelines* (SOURCE V.10b), construction activity on 8.1 acres per day with minimal earthmoving or 2.2 acres per day with grading and excavation are assumed to be below the MBARD's $PM_{10}$ significance threshold of 82 pounds per day. The area of proposed development is approximately 1.55 acres in size, which is below the screening-level threshold.

However, project air emissions were modeled for operational and construction emissions to comply with MBARD CEQA Guidelines and also included modeling for operational emissions, using the California Emissions Estimator Model (CalEEMod). The results are summarized in Tables 1 and 2, and as shown, neither project construction nor operational emissions would exceed MBARD thresholds for criteria pollutant air emissions.

**Table 1. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions**

| Year | ROG | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | ***pounds per day*** | | | | | |
| 2024 | 1.38 | 19.96 | 14.46 | 0.05 | 3.38 | 1.84 |
| 2025 | 4.52 | 7.68 | 10.26 | 0.03 | 1.96 | 0.67 |
| 2026 | 4.52 | 9.23 | 10.96 | 0.02 | 0.68 | 0.52 |
| **Maximum Daily Emissions** | 4.52 | 19.96 | 14.46 | 0.05 | 3.38 | 1.84 |
| *MBARD Threshold* | *N/A* | *N/A* | *N/A* | *N/A* | *82* | *N/A* |
| **Threshold Exceeded?** | **N/A** | **N/A** | **N/A** | **N/A** | **No** | **N/A** |

**Notes**: CO = carbon monoxide; MBARD = Monterey Bay Air Resources District; N/A = not applicable; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; ROG = reactive organic gases; $SO_x$ = sulfur oxides.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.
Emissions thresholds are included in MBARD's CEQA Air Quality Guidelines (2008).
CalEEMod model results are on file with the City of Santa Cruz Planning and Community Development Department.

**Table 2. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions**

| Emission Source | ROG | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *pounds per day* | | | | | |
| ***Project*** | | | | | | |
| Area | 3.92 | 0.12 | 10.24 | <0.01 | 0.06 | 0.06 |
| Energy | 0.06 | 0.3 | 0.34 | <0.01 | 0.04 | 0.04 |
| Mobile | 7.22 | 6.90 | 59.08 | 0.09 | 10.32 | 2.80 |
| **Total** | **11.20** | **7.56** | **69.66** | **0.10** | **10.42** | **2.90** |
| ***Existing*** | | | | | | |
| Area | 0.15 | <0.01 | 0.01 | 0.00 | <0.01 | <0.01 |
| Energy | <0.01 | 0.04 | 0.03 | <0.01 | <0.01 | <0.01 |
| Mobile | 1.22 | 1.34 | 9.88 | 0.01 | 1.25 | 0.35 |
| **Total** | **1.37** | **1.37** | **9.91** | **0.01** | **1.29** | **0.36** |
| ***Net Change in Emissions*** | | | | | | |
| **Net Change (Project – Existing)** | **9.83** | **6.19** | **59.74** | **0.09** | **9.13** | **2.54** |
| *MBARD Threshold* | *137* | *137* | *550* | *150* | *82* | *N/A* |
| **Threshold Exceeded?** | **No** | **No** | **No** | **No** | **No** | **N/A** |

**Notes**: CO = carbon monoxide; MBARD = Monterey Bay Air Resources District; N/A = not applicable; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; ROG = reactive organic gases; $SO_x$ = sulfur oxides.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.
Emissions thresholds are included in MBARD's CEQA Air Quality Guidelines (2008).
CalEEMod model results are on file with the City of Santa Cruz Planning and Community Development Department.

Therefore, the project-level review required by the *General Plan 2030*, and as considered in the General Plan 2030 EIR and Downtown Plan Amendments EIR, finds that potential emissions would not exceed MBARD's adopted CEQA significance thresholds, and the project would not violate current air quality standards or expose sensitive receptors to substantial pollutant concentrations. General Plan Action HZ2.2.1 establishes a procedure for project-level reviews and requires site-specific mitigation measures if significant impacts are identified. These measures include applicable MBARD control measure and/ or air quality mitigation. The proposed project has complied with this requirement; no significant impacts were identified, and project emissions would be within the less-than-significant impact evaluated in the General Plan EIR. Thus, the proposed project would not result in impacts peculiar to the project or the site, or substantially more severe impacts than evaluated in the General Plan 2030 EIR and Downtown Plan Amendments EIR, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

In addition, according to the MBARD CEQA Air Quality Guidelines, projects that are consistent with the AQMP would not result in cumulative impacts as regional emissions have been factored into the AQMP. The MBARD prepares air quality plans which address attainment of the state and federal emission standards, and incorporate growth forecasts developed by AMBAG. As indicated in subsection 3(a) above, the proposed project would not conflict with or obstruct the implementation

of the AQMP, which takes into account cumulative development within the City. Therefore, the proposed project would not result in a cumulatively considerable criteria pollutant increase.

(c) Sensitive Receptors. For CEQA purposes, a sensitive receptor is defined as any residence, including private homes, condominiums, apartments, and living quarters; education resources such as preschools and kindergarten through grade 12 schools; daycare centers; and healthcare facilities such as hospitals or retirement and nursing homes. A sensitive receptor includes long term care hospitals, hospices, prisons, and dormitories or similar live-in housing (SOURCE V.10b). There are no sensitive receptors adjacent to the project site, however, a residential project is under construction across the street from the site, west of Cedar Street. The proposed residential project would not introduce a new source of stationary emissions, and thus, would not expose sensitive receptors to substantial pollutant concentrations.

*Diesel Particulate Emissions*. Diesel particulate matter was identified as a toxic air contaminant (TAC) by the State of California in 1998. The General Plan 2030 EIR discusses construction-related impacts in which diesel particulate matter could be emitted from construction equipment. The impact was found to be less than significant due to the California Air Resources Board's ongoing adoption of regulations for in-use, off-road diesel vehicles that will significantly reduce particulate matter emissions by requiring fleet owners to accelerate turnover to cleaner engines and install exhaust retrofits. The EIR also noted that the California Code of Regulations, Title 13, section 2486(c)(1) prohibits idling of a diesel engine for more than five minutes in any location, thereby further limiting particulate matter emissions. Additionally, emissions during construction are of a short-term duration in comparison to life-long exposure and health risks. Construction-related diesel emissions at the project site would be of limited duration (i.e., primarily during grading) and temporary. Thus, project construction would not expose sensitive receptors to diesel emissions and associated risks are considered a less-than-significant impact as evaluated and concluded in the General Plan EIR. Since the proposed project is within the overall buildout analyzed in the General Plan EIR, and no new significant impacts or impacts peculiar to the project or the site have been identified, no further environmental analysis regarding diesel particulate emissions is required pursuant to Public Resources Code section 21083.3 and the State CEQA Guidelines section 15183.

(d) Odors. According to the Air District's CEQA Air Quality Guidelines (SOURCE V.10b), land uses associated with odor complaints typically include landfills, agricultural uses, wastewater treatment plants, food processing plants, chemical plants, and refineries. The General Plan EIR indicates that the *General Plan 2030* does not specifically identify, designate or support any new stationary sources that would be considered likely significant odor-generating facilities and that the City of Santa Cruz Municipal Code section 24.14.264 prohibits emission of odorous gases or matter in quantities readily detectable. Additionally, future proposed development will be subject to project-level environmental review (LU1.2, LU1.2.1) and mitigation (HZ2.2.1), if required, which would result in avoidance of potentially significant impacts related to odor. The General Plan EIR concluded that new development accommodated by the General Plan would not be expected to result in generation of significant odors with implementation of proposed General Plan policies and with compliance with City regulations that prohibit odor emissions.

The proposed residential project does not include any uses associated with odors and would not result in impacts related to odors. Since the proposed project is within the overall buildout analyzed in the General Plan EIR, and no new significant impacts or impacts peculiar to the project or the site have been identified, no further environmental analysis regarding diesel particulate emissions is required pursuant to Public Resources Code section 21083.3 and the State CEQA Guidelines section 15183.

| 4. BIOLOGICAL RESOURCES<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | DEIR pp. 4.3-17 to 4.3-18 | DEIR pp. 4.8-13 to 4.8-14, 4.8-16 to 4.8-21, 4.8-41, 4.8-43 to 4.8-44, 4.8-48 to 4.8-51<br>FEIR pp. 3-22, 3-25 to 3-40 | No | No | GP Policy NRC2.1, NCR2.4, Actions NCR2.1.3, NCR2.1.4<br>LCP EQ 4.5.3.2<br>GP Action NR2.4.1 & GP Table 1-Assessment and Management Protocols for Sensitive Species and Habitat<br>Municipal Code section 24.14.080 |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | DEIR pp. 4.3-18 to 4.3-22<br>FEIR p. 2-4 to 2-5, 3-2 | DEIR pp. 4.8-14 to 4.8-15, 4.8-24, 4.8-26 to 4.8-30, 4.8-22, 4.8-38 to 4.8-41, 4.8-48 to 4.8-51<br>FEIR p. 3-22 | No | No | GP Action NR2.4.1 & GP Table 1-Assessment and Management Protocols for Sensitive Species and Habitat |
| c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | DEIR p. 4.3-17 | DEIR pp. 4.8-15, 4.8-41, 4.8-38 to 4.8-39, 4.8-48 to 4.8-51 | No | No | GP Action NR2.4.1 & GP Table 1-Assessment and Management Protocols for Sensitive Species and Habitat |

| 4. BIOLOGICAL RESOURCES<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | DEIR pp. 4.3-17, 4.3-22 | DEIR pp. 4.8-22 to 4.8-25, 4.8-41, 4.8-44 to 4.8-45 | No | No | GP Action NRC2.2.1<br>GP Action NR2.4.1 & GP Table 1-Assessment and Management Protocols for pre-construction nesting bird surveys<br>Condition of Approval for Pre-construction bird nesting surveys |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | DEIR p. 4.3-17 | DEIR pp. 4.8-41, 4.8-45 to 4.8-47 | No | No | LCP Policy CD 6.1.2<br>Municipal Code Chapter 9-6 Heritage Tree Removal Permit, required replacement trees, and payment of in-lieu fees |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | DEIR pp. 4.3-17 | DEIR pp. 4.5-11 to 4.5-12, 4.8-25 to 4.8-26, 4.8-37<br>FEIR p. 3-23 | Not Applicable | Not Applicable | None |

(a-c) Special-Status Species, Sensitive Habitat. The project site is developed with a public parking lot and one commercial building with 12 existing non-native, landscape trees. According to maps developed for the City's *General Plan 2030* and included in the General Plan EIR, the project site is not located within or adjacent to a sensitive habitat area (SOURCE V.1b, DEIR Figure 4.8-3), and there are no known endangered or threatened species on or adjacent to the site due to the site's location within a developed urban area (SOURCE V.1b, DEIR volume). A data base search was conducted to further determine whether any rare, threatened, or endangered species are known to occur on or adjacent to the site or have the potential to occur on the site. The review included the California Natural Diversity Data Base (CNDDB) maintained by the California Department of Fish and Wildlife, the

federal Information for Planning and Consultation (IPaC) data base, and the California Native Plant Society's Rare Plant Inventory. The review did not identify any special-status species occurring on or near the site, and concluded that there is no potential habitat to support special-status species on the project site (SOURCE V.16b). Therefore, the project site does not contain sensitive habitat or habitat for special-status species, and the project would result in no impact to sensitive habitat or special status species.

The General Plan EIR concluded that new development accommodated by the plan would result in construction that could result in impacts to special status species and sensitive habitats. However, with implementation of the proposed General Plan policies and actions, as well as future environmental review of specific development projects and compliance with local regulations and plans, indirect impacts on sensitive habitats resulting from development accommodated by the General Plan would be considered less than significant. The *General Plan 2030* requires environmental impact analyses for development in the vicinity of sensitive habitats (General Plan NCR2.1.3, NCR2.4 and NCR2.4.1), but the project site is not located in the vicinity of sensitive habitats as explained above. The Downtown Plan Amendments EIR also concluded that future development would not result in indirect impacts to adjacent San Lorenzo River riparian or aquatic sensitive habitat with compliance with setbacks established in existing City plans, including the City-wide Creeks and Wetlands Management Plan, which references the San Lorenzo Urban River Plan as the guiding management plan for the area. The project site is not located adjacent to or near the San Lorenzo River.

Therefore, the proposed project would not result in impacts to special-status species or sensitive habitat or impacts peculiar to the project or the site. Therefore, no further review is necessary pursuant to CEQA section 21083.3 and CEQA Guidelines section 15183.

(d) Wildlife Movement/Breeding. The General Plan EIR concluded that with implementation of the proposed *General Plan 2030* goals, policies and actions, as well as compliance with local regulations and plans, potential impacts related to wildlife movement would be considered less than significant. The primary wildlife movement corridors are located along major watercourses and within City-owned open space lands, which would be protected from future development impacts. Table 1, Assessment and Management Protocols for Sensitive Species and Habitat, that is included the *General Plan 2030*, prescribes protocols and recommended management measures in wildlife dispersal corridors, including buffers and compliance with the Citywide Creeks and Wetland Management Plan. Projects adjacent to watercourses would be subject to setback requirements set forth in the Creeks and Wetlands Management Plan. The project site is developed and located within a developed urban area. The site does not contain habitat, nor does it connect to other habitat areas and is not within or adjacent to a creek, riparian area, or wildlife dispersal area. The proposed project is not located adjacent to or within proximity to a watercourse. Thus, the project would have no effect on wildlife movement and would not interfere with native fish or wildlife movement. Therefore, there would be no significant impacts or impacts peculiar to the project or the site, and no further review regarding wildlife movement is necessary pursuant to CEQA section 21083.3 and CEQA Guidelines section 15183.

The project involves the removal of 12 trees. The trees on the project site could provide potential nesting habitat for migratory birds which are protected by the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code (CFGC). Tree removal during the breeding season (generally February 15 to August 31) has the potential to destroy bird nests, eggs or chicks if any are present during the removal. Compliance with the MBTA would require that either a pre-construction nesting survey be conducted to confirm that no nesting birds protected under the MBTA are present if trees or removed during the nesting season or to remove trees outside of the nesting season. Compliance with required regulations would not result in a significant impact. Furthermore, General Plan Action NCR2.4.1 and Table 1 establish biological survey protocols, including pre-construction nesting bird surveys with establishment of appropriate construction buffers if needed, if tree removal and/or construction were to commence during the nesting season. A project condition of approval requires implementation of a pre-construction nesting survey.

The General Plan EIR concluded that potential impacts of future development that could directly or indirectly interfere with wildlife breeding/nesting would be less than significant with implementation of the General Plan policies and actions for resource protection, which include a requirement to conduct pre-construction nesting bird surveys. The Downtown Plan Amendments EIR includes Mitigation Measure 4.3.3 that requires a pre-construction nesting survey be conducted by a qualified wildlife biologist if construction, including tree removal, adjacent to the San Lorenzo River is scheduled to begin during the nesting season. As indicated above, the project site is not located adjacent to or near the San Lorenzo River. Therefore, potential project impacts would be considered less than significant with application of the Downtown Plan Amendments EIR Mitigation Measure 4.3.3 requiring a pre-construction nesting survey, as well as General Plan policies that establish protocols for pre-construction nesting surveys and compliance with state and federal laws. There would be no significant impacts or impacts peculiar to the project or the site with the application of uniformly applied development standards. Therefore, no further review is necessary pursuant to CEQA section 21083.3 and CEQA Guidelines section 15183.

<u>(e) Conflicts with Local Policies and Ordinances</u>. The project would result in the removal of 12 non-native trees due to the proposed construction footprint, nine of which qualify as heritage trees as defined by the City's Heritage Tree Ordinance. Therefore, the project would require a heritage tree removal permit. The project plans show 14 new canopy 24-inch-box-sized street trees would be planted along the perimeter of the site. The heritage trees to be removed include four magnolia, two Chinese pistache, two liquid amber, and one ginkgo trees. The arborist report indicated that the physiological condition of the trees is typical of mature trees in restricted growing spaces surrounded by hardscape and overall decline and other conditions were observed (SOURCE V.15a,c).

Approval of a heritage tree removal permit automatically requires replacement trees or payment of an in-lieu fee. Removal of a heritage tree that is consistent with the criteria, provisions, and requirements set forth in City regulations would not result in a conflict with a local ordinance. City regulations require tree replacement for removal of a heritage tree to consist of replanting three 15-gallon or one 24-inch size specimen for each heritage tree approved for removal.

The General Plan 2030 EIR concluded that development accommodated by the General Plan could result in the removal of heritage trees; however, with implementation of General Plan goals, policies,

and actions, as well as compliance with local regulations and plans, impacts would be less than significant. Removal of heritage trees that is consistent with City regulations and requirements would not be considered a significant impact of the project or an impact peculiar to the project. Approval of a heritage tree removal permit automatically requires replacement trees or payment of in-lieu fees as set forth above.

The proposed project includes replanting of 14 24-inch-box-sized street trees in accordance to city requirements. For these reasons, the proposed project would not result in new significant impacts related to conflicts with local ordinances or impacts peculiar to the project or the site with the application of uniformly applied development standards set forth in the heritage tree regulations, and no further review is necessary pursuant to CEQA section 21083.3 and CEQA Guidelines section 15183.

It is noted that on October 12, 2022, an application for a Heritage Tree Removal Permit was submitted to the Director of Parks and Recreation in conjunction with the proposed project, in accordance with the City's Santa Cruz Municipal Code Chapter 9.56, Preservation of Heritage Trees and Heritage Shrubs. The application requested removal of nine non-native, heritage trees as defined in Municipal Code Chapter 9.56. The Heritage Tree Removal Permit was approved by the City's Urban Forester on October 18, 2022, making the required findings in accordance with Municipal Code section 9.56.060(e). On October 27, 2022, an appeal of the Heritage Tree Removal Permit was submitted; an appeal requires consideration by the City Parks and Recreation Commission. The Parks and Recreation Commission considered and denied the appeal on December 10, 2022. Subsequently, the City Council on January 10, 2023, per applicable provisions of the Municipal Code, "called up" the heritage tree permits so as to assure that all heritage tree issues would be considered by the City Council at the same time the Council considers the other applications for the permits required by the DLAHP.

A Heritage Tree Removal Permit constitutes a discretionary permit reviewed through a process in parallel with the application for other entitlements for any project. The Municipal Code, including Chapter 9.56, contains no requirement for approval of use permits prior to, or concurrent with, granting of entitlement for a Heritage Tree Removal Permit. However, as the Heritage Tree Removal Permit application has been submitted in conjunction with the proposed DLAHP, the application for Heritage Tree Removal Permit may also be considered as part of the overall DLAHP.

(f) Habitat Conservation Plans. There are no adopted Habitat Conservation or Natural Community Conservation Plans in the project vicinity. The City's recently approved Operations and Maintenance Habitat Conservation Plan (O&M HCP) is not applicable to the proposed project or project site as it was developed for improvements or projects related to City facilities with the potential to take federally listed species and other non-listed special-status species.

| 5. CULTURAL RESOURCES<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5? | DEIR pp. 4.4-13 to 4.4-14 | DEIR pp. 4.9-12 to 4.9-14, 4.9-15, 4.9-21, 4.9-23 to 4.9-24 | Yes | Yes | None |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5? | DEIR pp. 4.4-12 to 4.4-13 | DEIR pp. 4.9-10 to 4.9-12, 4.9-19 to 4.9-23 | No | No | GP EIR Mitigation 4.9-1 and Municipal Code section 24.12.430<br>Objective Standard to require compliance with archaeological report recommend-dations |
| c) Disturb any human remains, including those interred outside of formal cemeteries? | DEIR pp. 4.4-12 to 4.4-13 | DEIR pp. 4.9-10 to 4.9-12, 4.9-19 to 4.9-23 | No | No | GP EIR Mitigation 4.9-1 and Municipal Code section 24.12.430 |

(a) Historical Resources. According to maps developed for the City's *General Plan 2030* and included in the General Plan EIR, the project site is not located within a designated historic district (SOURCE V.1b, DEIR Figure 4.9-4). The project site includes a commercial building that was constructed in 1941 that is considered a simplified Streamline Modern style (SOURCE V.18).

A historical resources evaluation was conducted for the existing commercial building at 113 Lincoln Street that was constructed in 1941 to determine whether either structure is a historical resource under the definitions in CEQA. The building has been altered considerably with a 1980 storefront remodeling campaign, removal of the original entrance, and a 1986 rear addition. Given the changes made to what was a modest original design, the evaluation found that the building no longer possesses sufficient historic integrity of setting, design, materials, workmanship feeling and association for it to qualify for listing on the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR). The evaluation also concluded that the existing building on the project site is not eligible for the Santa Cruz Historic Resources Inventory because the building does not meet City preservation criteria and has been altered substantially (SOURCE V.18). Therefore, the existing structure on the project site is not a historical resource under the definition of CEQA.

The General Plan 2030 EIR concluded that new development accommodated by the General Plan would result in construction that may result in impacts to historic resources. However, the EIR found that compliance with local regulations regarding protection of historic resources, and implementation of the proposed General Plan policies and actions would reduce impacts to a less-than-significant level. The proposed project would not directly affect historical resources as a result of demolition of the existing building at the project site. Thus, the proposed project would not result in significant impacts to historical resources not otherwise addressed in the General Plan EIR or impacts peculiar to the project or the site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b-c) Archaeological Resources. According to a map developed for the City's *General Plan 2030* and included in the General Plan EIR and updated in 2018, the project site is located in an area identified as sensitive for archaeological resources (SOURCE V.1c). A Cultural Resources Report was prepared for the project, which included a files records search of the Northwest Information Center (NWIC) at Sonoma State University and field survey (SOURCE V.12). The NWIC records search indicated that no archaeological studies have been conducted on the project site and no resources have been previously identified on the project site. Ten resources have been recorded within a one-quarter mile radius of the project site, and five archaeological studies have been conducted within a 500-foot radius of the project site. Visual inspection of the project site did not reveal evidence of precolonial or historic-era artifacts or intact archaeological deposits. However, an archaeological investigation for the project concluded that potentially significant cultural materials may be located in the project area and recommended an extended site evaluation to locate subsurface resources, consisting of trenches to the depths of impacts in locations where historic maps indicate potential resources (SOURCE V.12).

An extended testing program was undertaken that consisted of trenches throughout the project site. The testing found five historical-period features in the west central portion of the project site, and the results indicate that much of the site contains intermittent, shallow, and thin sheet deposit of scattered historical period artifacts associated with the mid- to late nineteenth and early to mid-twentieth century. The location and characteristics suggest these are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid-twentieth century. The testing did not reveal evidence of the existence of any archaeological resources or deposits. No prehistoric archaeological materials of any kind were found during the testing (SOURCE V.16a).

Evaluation of the five features concluded that they do not rise to a level where they could be found eligible for listing under the California Register of Historical Resources (CRHR) criteria and integrity requirements or under local criteria. Specifically, the features cannot be associated with a significant contribution to the broad patterns of California's history and cultural heritage or with the lives of persons important in our past. As relatively casual dumping events, there are no distinctive characteristics present, and the features clearly do not represent the work of an important creative individual, nor do they possess high artistic values. As numerous other examples of such deposits exist with greater integrity and historic associations, the features are not likely to yield information important to history. Therefore, these resources are not considered historic resources under CEQA (SOURCE V.16a). The project site was tested, except for the area covered by the existing building. There

is a moderate potential for encountering additional similar artifacts during construction. While it is not expected that additional deposits would meet the definition of a historical resource, archaeological monitoring during grading is recommended. However, any artifacts found would be expected to be similar to those already recovered, which would not be considered historical resources.

Section 24.12.430 of the City's Municipal Code sets forth the procedure to follow in the event that previously unknown prehistoric or cultural features are discovered during construction. Under provisions of this Code section, work shall be halted within 100 feet of the find and the Planning Director shall be immediately notified to determine the appropriate course of action, including implementation of potential mitigation measures. Additionally, the County Coroner shall be notified in accordance with provisions of Public Resources Code 5097.98-99 in the event human remains are found and the Native American Heritage Commission shall be notified in accordance with the provisions of Public Resources Code section 5097 if the remains are determined to be Native American.

The General Plan EIR concluded that new development accommodated by the plan would result in construction that could result in impacts to buried archaeological resources. Mitigation 4.9-1 added an Action to the General Plan (HA1.2.2), which establishes a procedure for preparing archaeological investigations for development within areas designated as "sensitive" or "highly sensitive" and implementing site-specific mitigation measures if significant impacts are identified, with which the proposed project has complied. However, implementation of the proposed General Plan policies and actions, compliance with local regulations, and General Plan EIR Mitigation 4.9-1 would reduce potential impacts to a less-than-significant level. The Downtown Plan Amendments EIR also concluded that compliance with City regulations and General Plan policies and actions (would result in less-than-significant impacts on archaeological resources.

A cultural resources report and field survey were conducted consistent with the requirements of the *General Plan 2030* policies and actions (HA1.2.2) as set forth in the General Plan EIR. The project archaeological investigation did not identify sensitive resources, although monitoring during demolition and grading were recommended. The project would not result in archaeological impacts peculiar to the site or project. In addition, implementation of standards set forth in the City's Municipal Code (section 24.12.430) related to potential discovery of unidentified archaeological resources during construction would be considered application of uniformly applied development standards. Discovery of unidentified (e.g., buried) cultural resources during any construction, including human burials, would be subject to this requirement as a standard condition of approval. Thus, the proposed project would not result in significant impacts to archaeological resources not otherwise addressed in the General Plan EIR or impacts peculiar to the project or the site with the application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 6. ENERGY<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | DEIR pp. 5-1 to 5-3 | DEIR pp. 4.6-27 to 4.6-29, 4.6-45 to 4.6-46, 5-4 to 5-6 | No | No | None |
| b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? | DEIR pp. 5-2 to 5-3 | DEIR pp. 4.6-46; 5-5 | No | No | None |

(a) Energy Use. Construction of the project would require consumption of nonrenewable energy resources, primarily in the form of fossil fuels (including fuel oil, natural gas, and gasoline) for automobiles and construction equipment, and other resources including, but not limited to, lumber, sand, gravel, asphalt, metals, and water. Construction would include energy used by construction equipment and other activities at the project site (e.g., building demolition, excavation, paving), in addition to the energy used to manufacture the equipment, materials, and supplies and transport them to the project site. It is expected that nonrenewable energy resources would be used efficiently during future construction of residential units accommodated by the project. Therefore, the amount and rate of consumption of such resources during construction and maintenance activities would not result in the unnecessary, inefficient, or wasteful use of energy resources.

The proposed project avoids or reduces inefficient, wasteful, and unnecessary consumption of energy in part through siting. The project site is in proximity to bicycle and pedestrian facilities in the area, which would provide incentives for non-automobile transportation modes. The project provides 258 bicycle parking stalls, which exceeds City standards by about 61 spaces and also provides 15 electric vehicle parking spaces that would be available to residents and visitors. The project would be subject to approval of building permits that meet the California Building Code (CBC) and City Green Building Code requirements, as well as compliance with City requirements for water conservation fixtures and features, including drought-resistant landscaping. Additionally, Santa Cruz residents are enrolled in the Central Coast Community Energy (3CE), formerly Monterey Bay Community Power electricity service, which supplies electricity generated from hydropower, solar and wind, which are renewable resources.

The General Plan EIR reviewed energy use associated with development accommodated by the General Plan. The estimated energy demand was found to be within state per capita projections for the planning area, and the EIR concluded that overall, the future consumption of electrical and natural gas resources would not represent unnecessary, inefficient, or wasteful use of resources given the implementation of policies that address lighting and energy conservation measures. The proposed project would result in an increase of 124 dwelling units, a 38,000-square-foot public

library, a childcare facility, and approximately a net increase of 6,550 square feet of commercial space. This level of development would be within the overall amount of development evaluated in the General Plan EIR and within remaining potential development as described in Section IV.B. Therefore, the proposed project would not result in impacts related to inefficient or wasteful use of energy that would be peculiar to the project or the site or substantially more severe than evaluated in the General Plan 2030 EIR. No further.

b) Conflicts with Plans. The proposed project would not result in conflicts with or obstruct a state or local plan for renewable energy or energy efficiency. The proposed project transportation features, design elements, and compliance with building code requirements described above are consistent with the City's Climate Action Plan provisions related to energy efficiency. Therefore, no further review is necessary.

| 7. GEOLOGY AND SOILS<br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? | DEIR Appendix A pp. 32 to 33 | DEIR pp. 4.10-7 to 4.10-9, 4.10-20 | No | No | None |
| ii) Strong seismic ground shaking? | DEIR Appendix A pp. 32 to 33 | DEIR pp. 4.10-6 to 4.10-14, 4.10-21 to 4.10-23 | No | No | General Plan Action HZ6.3.1<br>Municipal Code section 18.04.030 (California Building Code adoption, including Seismic Design Criteria) |
| iii) Seismic-related ground failure, including liquefaction? | DEIR Appendix A pp. 32 to 33 | DEIR pp. 4.10-12 to 4.10-13, 4.10-21 to 4.10-23 | No | No | General Plan Action HZ6.3.6<br>Municipal Code section 24.14.070 regarding geotechnical |

| 7. GEOLOGY AND SOILS<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| | | | | | investigation requirements regarding geotechnical investigations |
| iv) Landslides? | DEIR Appendix A pp. 32 to 33 | DEIR pp. 4.10-13 to 4.10-14, 4.10-22 to 4.10-24 | No | No | None |
| b) Result in substantial soil erosion or the loss of topsoil? | DEIR Appendix A p. 33 | DEIR pp. 4.10-17 to 4.10-18, 4.10-25 to 4.10-26 | No | No | City Municipal Code section 24.14.060 and Chapter 18.45 regarding grading and erosion control plans |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | DEIR Appendix A pp. 32 to 33 | DEIR pp. 4.10-5 to 4.10-6, 4.10-15 to 4.10-16, 4.10-24 to 4.10-25 | No | No | None |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | DEIR Appendix A p. 33 | DEIR pp. 4.10-16 to 4.10-17, 4.10-19 | No | No | Municipal Code section 18.04.030 (California Building Code adoption, including requirements for Geotechnical Reports |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? | DEIR Appendix A p. 33 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | DEIR pp. 4.4-14 | DEIR pp. 4.9-14 to 4.9-16, 4.9-21, 4.9-24 to 4.9-25 | No | No | GP EIR Mitigation 4.9-2; standard Condition of Approval for Accidental |

| 7. GEOLOGY AND SOILS<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| | | | | | Discovery of Paleontological Resources |

(a-i) Fault Rupture. The project site is located in a seismically active region of California, which has the potential to be subject to very intense shaking during a seismic event. The City of Santa Cruz is situated between two major active faults: the San Andreas, approximately 11 miles to the northeast, and the San Gregorio, approximately 10 miles to the west. Other known active faults in the vicinity of the site include the Zayante – Vergeles (approximately 8 miles northeast of the site), the Monterey Bay-Tularcitos (approximately 6 southwest of the site), and the Sargent (approximately 12 miles northeast of the site) (SOURCE V.14). However, there are no active fault zones or risk of fault rupture within the City (SOURCE V.1b, DEIR volume). The General Plan EIR found that there are no active faults within the City of Santa Cruz, and thus, fault rupture is not a hazard that required further evaluation. Thus, the proposed project would not result in significant impacts related to fault rupture not otherwise addressed in the General Plan EIR or impacts peculiar to the project or the site with the application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(a-ii – iv, c) Seismic and Geologic Hazards. The project could be subject to strong seismic shaking during an earthquake on regional faults. According to maps developed as part of the City's *General Plan 2030* and included in the General Plan EIR, the project site is located in an area susceptible to liquefaction (SOURCE V.1b, DEIR Figure 4.10-4).

A Geotechnical Investigation Report (geotechnical report) was performed for the project that included subsurface borings and representative soil samples at the project site (SOURCE V.14). The soils consisted generally of 1 to 5.5 feet of undocumented fill, which consist of loose silty sand and loose poorly graded sand with silt. Below the undocumented fill, native alluvial soils consisted of loose to medium dense silty sand and poorly graded sand with silt to a depth of approximately 16 feet; additional alluvial soils with dense to very dense poorly graded sand were found to a depth of 60 feet. The geotechnical report noted that groundwater was encountered between 9 to 11 feet below grade during the exploratory borings.

The geotechnical report concludes that there is a potential for liquefaction of soils, which could cause liquefaction-induced settlement to the order of 5 ⅔ to 6 ½ inches, resulting in differential settlement up to 4 ¼ inches. To address this concern, the report recommends specific design parameters for the proposed building's foundation and ground improvement. The report also states that there is the potential for ground deformation and surficial cracking and lateral spreading. To address these concerns, the report recommends that the mixed-use building be supported on shallow foundation overlying ground improvement. Furthermore, the report recommends that the ground floor slab be

either underlain by ground improvement as well, or be designed as structural slab capable of spanning between footings. Implementation of these recommendations would be verified through design documents that would be submitted to the City for review and approval prior to issuance of construction (grading or building) permits. The geotechnical report includes recommended design measures to ensure the project would not cause substantial adverse effects, including the risk of loss, injury, or death due to potential existing geologic hazards. These measures address the safety of project residents and users, and thus involve reducing the effects of existing environmental hazards on the project itself, which does not exacerbate those hazards. For this reason, the measures to not address an environmental impact cognizable under CEQA. (See *California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369, 377-378.)

The project site is relatively level and is not in an area susceptible to landslides (SOURCE V.1b, DEIR Figure 4.10-3). The project site is not located in an area of steep slopes (SOURCE V.1b, DEIR Figure 4.10-5).

The General Plan EIR concluded that adherence to existing regulations and standards, including the California Building Code (CBC) and various policies and actions established in the proposed *General Plan 2030* would minimize harm to people and structures from adverse seismic and geologic events and conditions. General Plan Action HZ6.3.1 requires that all new construction conform with the latest edition of the CBC, and Municipal Code section 18.040.030 adopts State of California building codes as part of the City's Building Code. General Plan Action HZ6.3.6 requires site-specific geologic investigation(s) by qualified professionals for proposed development in potential liquefaction areas and requires developments to incorporate the design and other mitigation measures recommended by the investigation. In addition, Municipal Code section 24.14.070 requires preparation of a geotechnical report and implementation of recommendations for residential projects with more than four units that are within potential liquefaction areas. Thus, buildings must be designed in accordance with the latest edition of the CBC, which sets forth structural design parameters for buildings to withstand seismic shaking without substantial structural damage. Conformance to the CBC as required by state law and the City would ensure the maximum practicable protection available for structures and their associated trenches, excavations and foundations.

The General Plan EIR concluded that with adherence to existing regulations and standards, including preparation of a project-specific geotechnical report and adherence to the CBC, as incorporated into the City's Municipal Code, and various policies and actions established in the General Plan, harm to people and structures from adverse seismic events would be minimized (SOURCE V.1b, DEIR volume). As noted above, a project-specific geotechnical investigation was performed and design recommendations would be implemented and be considered application of a uniformly applied development standard. Demonstration of project design adherence to geotechnical report recommendations will be required at the time of building permit application that demonstrates that the proposed buildings are designed to current seismic design standards. Thus, the proposed project would not result in new significant impacts related to seismic and geologic hazards not otherwise addressed in the General Plan EIR or impacts peculiar to the project or the site with the application of uniformly applied development standards for required geological and geotechnical investigations and implementation of recommendations contained in these reports. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Erosion. According to maps developed as part of the City's *General Plan 2030* and included in the General Plan EIR, the project site consists of Baywood loamy sand, with 0 to 2 percent slopes (SOURCE V.1b, DEIR Figure 4.10-6). As described in the General Plan EIR, erosion potential for this soil profile is not high (SOURCE V.1b, DEIR volume).

The project would result in grading and excavation of approximately 1,100 cubic yards (cy) of soil that would be removed with approximately 150 cy of fill provided. See subsection 10(a) below regarding potential water quality impacts due to grading and earthwork. The project site itself is generally flat, with less than one percent slopes from north to south. Project earthwork would include grading, trenching, and removing trees and other vegetation. These activities would include ground disturbance, which would potentially result in short-term soil erosion. Because the proposed project footprint is greater than 1 acre, it would be subject to the National Pollutant Discharge Elimination System (NPDES) permit requirements for construction site stormwater discharges and would comply with those requirements. A Storm Water Pollution Prevention Plan (SWPPP) is required to be prepared and implemented under these requirements, which includes appropriate erosion-control and water-quality-control measures during site preparation, grading, construction, and post-construction. Implementation of the SWPPP for the proposed project would minimize short-term erosion impacts. Long-term impacts of the proposed project would not result in substantial erosion, as the soils would be covered by buildings, pavement, vegetation, and landscaping.

The General Plan EIR concluded that future development accommodated by the Plan could result in erosion during construction, but could be mitigated with adherence to local regulations that require implementation of erosion control plans, and thus, potential erosion during construction would be minimized, resulting in a less-than-significant impact. Implementation of required erosion control plans and erosion control standards and requirements set forth in the City's Municipal Code Chapter 18.45 would be considered application of a uniformly applied development standard. Thus, the project would not result in new significant erosion impacts not otherwise addressed in the General Plan EIR or impacts peculiar to the project or site with the application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(d) Expansive Soils. Expansive soils contain large amounts of clays that expand when wetted and contract when dried. Soils at the project site consist of Baywood loamy sand, which has a low expansive soil potential. As discussed above, a project geotechnical investigation assesses soil conditions and provides design recommendations based on soil characteristics at the project site. The geotechnical investigation did not identify soils that would be considered expansive during the field exploration and concluded that the site is suitable for development with implementation of recommendations in the geotechnical report. Implementation of recommendations set forth in the project geotechnical report is required by the CBC and City regulations and policies, which would ensure that potential exposure to geotechnical hazards associated with potentially expansive soils would be mitigated.

The General Plan EIR concluded that future development accommodated by the Plan could be exposed to expansive soils, which would be addressed through compliance with state and local regulations, including the CBC requirements and section 24.14.070 of the City's Municipal Code

(requirement for geotechnical investigations), which would ensure that buildings are designed to prevent structural damages based on the project-specific geotechnical report. The requirement to implement the recommendations would be considered application of a uniformly applied development standard. Thus, with implementation of the foregoing uniformly applied development standards and regulations that require preparation of geotechnical report and implementation of recommendations set forth in the geotechnical investigation, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site related to expansive soils. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(e) Use of Septic Systems. The project would be connected to City sanitary sewers and would not use septic systems.

(f) Paleontological Resources. According to maps developed for the City's *General Plan 2030* and included in the General Plan EIR, the project site is within an area mapped as Late Pleistocene alluvium formations (SOURCE V.1b, DEIR Figure 4.9-5). Late Pleistocene alluvium is one of the four geologic units in the General Plan area known to contain paleontological resources (SOURCE V.1b, DEIR volume).

The General Plan EIR Mitigation 4.9-2 added General Plan Action HA1.2.3, which requires the City to notify applicants within paleontologically sensitive areas of the potential for encountering such resources during construction and condition approvals that work will be halted and resources examined in the event of encountering paleontological resources during construction. If the find is significant, the City would require treatment in accordance with the recommendations of the evaluating paleontologist. Treatment may include, but is not limited to, specimen recovery and curation or thorough documentation. This provision was added to the City's Municipal Code (section 24.12.431), and all projects are subject to this requirement, which is included as a project condition of approval. Inclusion of a standard condition of approval that specifies actions to take in the event of discovery of paleontological resources would be considered application of uniformly applied development standards. Therefore, with implementation of the General Plan EIR mitigation measure, the proposed project would not result in significant paleontological resource impacts not otherwise addressed in the General Plan EIR with application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 8. GREENHOUSE GAS EMISSIONS<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | DEIR pp. 4.2-21 to 4.2-22 | DEIR pp. 4.12-13 to 4.12-17, 4.12-21 to 4.12-28<br>FEIR pp. 3-26 to 3-27 | No | No | Climate Action Plan GHG Reduction Measures<br>Municipal Code Chapter 6.100 |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | DEIR pp. 4.2-17 to 4.2-18 | DEIR pp. 4.12-18 to 4.12-20, 4.12-29 to 4.12-31 | No | No | Climate Action Plan GHG Reduction Measures |

(a) Greenhouse Gas Emissions. Climate change refers to any significant change in measures of climate, such as average temperature, precipitation, or wind patterns over a period of time. Climate change may result from natural factors, natural processes, and human activities that change the composition of the atmosphere and alter the surface and features of the land. Significant changes in global climate patterns have recently been associated with global warming, an average increase in the temperature of the atmosphere near the Earth's surface, attributed to accumulation of greenhouse gas (GHG) emissions in the atmosphere. Greenhouse gases trap heat in the atmosphere, which in turn heats the surface of the Earth. Some GHGs occur naturally and are emitted to the atmosphere through natural processes, while others are created and emitted solely through human activities. Climate change models predict changes in temperature, precipitation patterns, water availability, and rising sea levels, and these altered conditions can have impacts on natural and human systems in California that can affect California's public health, habitats, ocean and coastal resources, water supplies, agriculture, forestry, and energy use (SOURCE V.1b, DEIR volume).

The most common GHG that results from human activity is carbon dioxide, followed by methane and nitrous oxide. The primary contributors to GHG emissions in California are transportation (about 37 percent), electric power production (24 percent), industry (20 percent), agriculture and forestry (6 percent), and other sources, including commercial and residential uses (13 percent). Approximately 81 percent of California's emissions are carbon dioxide produced from fossil fuel combustion (SOURCE V.1b, DEIR volume).

In 2006, the California Legislature passed the Global Warming Solutions Act of 2006 (AB 32), which sought to reduce GHG emissions generated by California to 1990 emissions levels by the year 2020. AB 32 defines GHGs to include carbon dioxide, methane, nitrous oxide, hydrocarbons, perfluorocarbons and sulfur hexafluoride. In 2016, the Legislature followed up with SB 32, which requires California, by 2030, to reduce its statewide GHG emissions so that they are 40 percent below those that occurred in 1990.

In enacting both AB 32 (2006) and SB 32 (2016), the Legislature codified some of the ambitious GHG reduction targets included within certain Executive Orders issued by Governors Schwarzenegger and Brown. The 2020 statewide GHG reduction target in AB 32 was consistent with the second of three statewide emissions reduction targets set forth in former Governor Schwarzenegger's 2005 Executive Order known as S-3-05, which is expressly mentioned in AB 32. (See Health & Safety Code section 38501, subd. (i).) That Executive Branch document included the following GHG emission reduction targets: by 2010, reduce GHG emissions to 2000 levels; by 2020, reduce GHG emissions to 1990 levels; by 2050, reduce GHG emissions to 80 percent below 1990 levels. To meet the targets, the Governor directed several State agencies to cooperate in the development of a climate action plan. The Secretary of Cal-EPA leads the Climate Action Team, whose goal is to implement global warming emission reduction programs identified in the Climate Action Plan and to report on the progress made toward meeting the emission reduction targets established in the executive order.

In 2015, Governor Brown issued Executive Order, B-30-15, which created a "new interim statewide GHG emission reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030 is established in order to ensure California meets its target of reducing GHG emissions to 80 percent below 1990 levels by 2050." SB 32 codified this target.

In 2018, Governor Brown issued Executive Order B-55-18, which established a statewide goal to "achieve carbon neutrality as soon as possible, and no later than 2045, and maintain and achieve negative emissions thereafter." The order directs the CARB to work with other State agencies to identify and recommend measures to achieve those goals.

The California Air Resources Board (CARB) is the lead agency for implementing AB 32 and SB 32. In accordance with these statutes, CARB conducts an annual statewide GHG Emission Inventory that provides estimates of the amount of GHGs emitted to the atmosphere by human activities within California. In accordance with requirements of AB 32, CARB adopted an Initial Scoping Plan in 2008 and is required to update the scoping plan at least every five years. The First Update to the Scoping Plan, approved in 2014, established a 2030 emissions target of 40 percent below 1990 levels. The 2017 Scoping Plan identified a balanced mix of strategies to meet the State's 2030 GHG limit.

The current 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) was approved by CARB on December 15, 2022. The 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045, but also to the 2030 GHG emissions reduction target. The 2022 Scoping Plan analyzed four scenarios, with the objective of informing the most viable path to remain on track to achieve the 2030 GHG reduction target. The scenario modeling indicates that, if the plan described in the Proposed Scenario is fully implemented, and done so on schedule, the State would cut GHG emissions by 85 percent below 1990 levels, result in a 71 percent reduction in smog-forming air pollution, reduce fossil fuel consumption by 94 percent, and create 4 million new jobs, among other benefits (SOURCE V.5a).

The 2022 Scoping Plan details "Local Actions" in Appendix D, which includes recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under

CEQA. The recommendations provided in Appendix D are non-binding and should not be interpreted as a directive to local governments, but rather as evidence-based analytical tools to assist local governments with their role as essential partners in achieving California's climate goals. Appendix D recognizes consistency with a CEQA-qualified GHG reduction plan such as a Climate Action Plan as a preferred option for evaluating potential GHG emission impacts under CEQA (SOURCE V.5b).

The City's *General Plan 2030* includes goals, policies, and actions on climate change, including reducing communitywide GHG emissions 30 percent by 2020, reducing 80 percent by 2050 (compared to 1990 levels), and for all new buildings to be emissions neutral by 2030.

In September 2022, the City adopted the 2030 Climate Action Plan (CAP) that updates the previous 2020 CAP that was adopted in 2012 and outlines measures and actions that are intended to reduce GHG emissions, per capita, by approximately 40 percent below 1990 levels by 2030, meeting the California Senate Bill 32 target for 2030 to reduce total GHG emissions 40 percent below 1990 levels. The CAP also seeks to achieve a carbon neutrality goal by the year 2035 prior to the State's target carbon neutrality goal by 2045.

The CAP includes 31 measures with 152 associated individual actions, intended to reduce GHG emissions throughout the City. The measures include those related building energy use and reduction, transportation, public infrastructure, and other climate restoration and sustainable government measures. Through implementation of its measures and actions, the CAP aims to reduce building energy consumption, vehicle miles traveled, solid waste generation, and increase carbon sequestration.

The General Plan EIR estimated greenhouse emissions that could result from potential development and buildout accommodated by the plan that included 3,350 residential dwelling units with an associated population increase of 8,040 residents and approximately 3,140,000 additional square feet of new commercial, office, and industrial uses by the year 2030 with an estimated 8,665 new employees. The General Plan EIR analysis determined that the GHG emission levels associated with potential buildout that would be accommodated by the General Plan would not be considered substantial compared to long-term forecasts and state and regional targets, and would be less than forecast statewide per-capita emission rates. Implementation of the proposed *General Plan 2030* policies and actions, including the CAP, as well as planned implementation of statewide actions, would further reduce emissions. Therefore, the impact was considered less than significant.

The proposed project would result in an increase of 124 dwelling units and other non-residential uses within the City. This level of development would be within the overall amount of residential development and of the type of infill development desired and evaluated in the General Plan EIR and within remaining potential development as described in Section IV.B. Because the project size is within the total amount of potential residential development and level of GHG emissions analyzed in the General Plan EIR, it is of the type of denser infill development desired under the City's plans, and it includes several of the emissions reducing features recommended in the City's CAP (as explained further below), no impacts peculiar to the site or substantially more severe impacts would occur.

As indicated above, the City updated its CAP in 2030, providing new emissions inventories, GHG emissions reductions targets and specific measures to reduce emissions. While, the proposed project

is within the remaining buildout evaluated in the General Plan EIR, the updated CAP identifies a per capita GHG emissions level of 4.22 MT $CO_2e$ (Metric tons of carbon dioxide equivalent, which is the standard units to measure GHG emissions) for the year of 2019, which is slightly higher than the amount forecast in the 2008 baseline year in the General Plan 2030 EIR (3.82 MT $CO_2e$ per capita per year). The CAP also identifies a target of 2.74 MT $CO_2e$ per capita per year in the year 2030, which is slightly lower than the per capita amount forecast in the General Plan EIR (3.82 MT $CO_2e$ per capita per year). The 2030 CAP specifies reduction measures that can achieve this goal and indicates that the per capita emissions target can be met with implementation of the measures included in the CAP (SOURCE V.3d).

Emissions modeling conducted for the project shows that the proposed project could result in GHG emissions of approximately 4.5 MT $CO_2e$ per capita per year, which is higher than the level forecast in the General Plan EIR and the recently adopted 2030 CAP. However, the CAP targets are not thresholds under CEQA, and the MBARD does not have adopted thresholds for GHG emissions, except for stationary sources. The project includes or can include a number of GHG emission reduction measures presented in the CAP, including the following, which are all considered "high impact actions" in the CAP:

- Prohibition of natural gas in new construction with provision all electric power and appliances (BE-1.1), which is part of the enforcement of the City's natural gas prohibition ordinance (Municipal Code Chapter 6.100)
- Install charging stations for 20 percent of the parking spaces in new multi-family housing and commercial projects (T4.2)
- Reduce off-street parking requirements for new housing developments close to frequent transit service (T3.4)
- Provide secure bike parking in new developments (T1.3)

The proposed project includes features that would reduce GHG emissions, consistent with these measures including in the 2030 CAP, including provision of 15 parking spaces for electric vehicles, provision of 258 bicycle parking spaces, which is approximately 60 more spaces than required by City regulations with nearly half of these spaces being locked, Class I facilities, prohibition of natural gas with an all-electric facility, and overall reduced parking in the downtown area. Inclusion of these measures in the project would reduce the project's incremental and per capita GHG emissions and would comply with an adopted CAP, and thus, the project's incremental contribution to GHG emissions and climate change would not be cumulatively considerable or significant.

The State CEQA Guidelines do not prescribe specific methodologies for performing a GHG emissions assessment, establish specific thresholds of significance, or mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance that are consistent with the manner in which other impact areas are handled in CEQA. Global climate change is a cumulative impact; a project's potential impact results through its incremental contribution combined with the cumulative increase of all other sources of GHGs (CEQA Guidelines sections 15064.4 and 15183.5). There are currently no established thresholds for assessing whether the GHG emissions of the proposed project would be

considered a cumulatively considerable contribution to global climate change. The MBARD does not have an adopted GHG emissions threshold, except it does have an adopted guideline for stationary source projects in which a project would not have not a significant GHG emissions impact if the project emits less than 10,000 metric tons of $CO_2e$ per year or complies with regulations or requirements adopted to implement a statewide, regional or local plan for the reduction or mitigation of GHG emissions (SOURCE V.10c). As indicated above, while the City's CAP has a per capita emissions target, it is not a threshold for the purpose of CEQA analyses.

However, the City's adopted CAP provides a quantification of emissions reductions that would result over time throughout the City through implementation of the measures and actions included in the CAP. For the purposes of CEQA, the City's 2030 CAP serves as a "Qualified Climate Action Plan" that the City can streamline the environmental review process of future projects. Pursuant to CEQA Guidelines section 15064.4(b)(2), a lead agency may consider a project's consistency with an adopted emissions reduction plan in determining significance of a project's GHG emissions. The proposed project does implement some of these measures as explained above, which would reduce the project's incremental contribution to GHG emissions and climate change, and are consistent with the GHG emissions reduction measures included in the City's CAP. The GHG emissions reduction measures included in the City's adopted CAP are considered uniformly applied development standards. Therefore, the project would not result in impacts peculiar to the project or site with implementation of uniformly applied development policies and standards, and no further environmental analysis is required regarding these public services pursuant to Public Resources Code section 21083.3.

(b) Conflicts with Applicable Plans. The project would not conflict with state plans adopted for the purpose of reducing GHG emissions. The General Plan EIR found no impacts related to conflicts with applicable plans related to GHG emissions and reduction strategies.

As described above, the Santa Cruz City Council adopted the 2030 CAP which addresses citywide greenhouse emissions and reduction strategies. The CAP incorporates a variety of measures and actions that focus on continued effort to reduce GHG emissions.

The CAP provides City emissions inventories, identifies emissions reduction target for the year 2030 and beyond, and includes measures and actions that are categorized into the following sections with corresponding measures and actions: building energy; transportation; water, waste, and wastewater; climate restoration; climate economy; and sustainable municipal government. These measures address and cover topics related to building energy consumption, solar programs, building electrification, active/public transportation programs, including: ridesharing, electric vehicles, remote work policy and infrastructure, water consumption, solid waste reduction, wastewater treatment, urban forestry, green jobs, and municipal facilities. Each measure has supporting actions, states the GHG reduction potential, lists which City department is responsible for implementation, and explains the advantages and benefits of the specific action. The CAP also includes an Implementation chapter that outlines funding, implementation accountability, and monitoring / reporting procedures for the measures and actions.

The proposed project includes features that further reduce GHG emissions, consistent with measures included in the 2030 CAP as described above. Furthermore, the project represents a unique mixed-use development consisting of a public library, affordable housing, commercial retail, and daycare that would be located in an accessible location to the community. By establishing these uses in close proximity to each other, and downtown Santa Cruz, the project encourages active transportation and could reduce the number of vehicle miles traveled within the City. For these reasons, the project would not conflict with provisions of the CAP.

In addition, AMBAG, as a metropolitan planning organization (MPO), is required by state law (2008 Senate Bill (SB) 375) to develop a Sustainable Communities Strategy (SCS)—an integrated transportation, land use, and housing plan that addresses ways to accommodate future population growth and reduce greenhouse gas emissions from cars and light trucks. *Moving Forward Monterey Bay 2045* is the MTP/SCS for the three-county Monterey Bay Area (SOURCE V.4b). The MTP/SCS identifies Opportunity Areas with the highest chance for successful sustainable growth in the future. Opportunity Areas are generally located where Transit Priority Areas (TPAs) and Economic Development Areas (EDAs) within the AMBAG region overlap. An Opportunity Area is an area within 0.5 miles of an existing or planned "high-quality transit corridor" (as defined in California Public Resources Code section 21064.3) that has the potential for transit-oriented development, including mixed use. The proposed project is not located within an identified Opportunity Area, but given its proximity to transportation corridors and activity centers, the proposed project would be consistent with goals and policies of the SCS Strategy.

Given the foregoing, the project would not result in impacts related to conflicts with plans related to GHG emissions and reduction strategies that would be peculiar to the site or substantially more severe than described in the General Plan 2030 EIR. No further environmental analysis is required pursuant to Public Resources Code section 21083.3 and the State CEQA Guidelines section 15183.

| **9. HAZARDS AND HAZARDOUS MATERIALS**<br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | DEIR Appendix A p. 35 | DEIR pp. 4.14-9 to 4.14-10 | No | No | None |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | DEIR Appendix A p. 35 | DEIR pp. 4.14-5 to 4.14-7, 4.14-9 to 4.14-11 | No | No | None |

| 9. HAZARDS AND HAZARDOUS MATERIALS<br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within ¼ miles of an existing or proposed school? | DEIR Appendix A p. 35 | DEIR pp. 4.14-12 | No | No | None |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | DEIR Appendix A p. 35 | DEIR pp. 4.14-5 to 4.14-7 | No | No | None |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? | DEIR Appendix A p. 35 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | DEIR Appendix A pp. 35 to 36 | DEIR pp. 4.6-2 to 4.6-5, 4.6-33 to 4.6-37 | No | No | None |
| g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? | DEIR Appendix A p. 36 | DEIR pp. 4.6-3 to 4.6-4, 4.6-34 to 4.6-35 | No | No | General Plan Actions HZ1.5.3, HZ1.5.4 Standard Fire Department Conditions of Approval |

(a-b, c) Use or Release of Hazardous Materials or Creation of Hazard. The proposed project consists of a mixed-use project, consisting of residential, library, childcare facility, and commercial land uses, which would not involve the routine transport, use, or disposal of hazardous materials or wastes, and would not result in the creation of a public health hazard. The project site is not within ¼ mile of an existing or proposed school, and would not result in stationary emission sources or hazardous emissions.

The General Plan EIR concluded that new development accommodated by the General Plan that utilizes hazardous materials or generates hazardous waste would be regulated pursuant to federal,

state, and local laws to ensure proper transportation, handling, and disposal, and with adherence to local and state regulations, as well as implementation of policies and actions, impacts related to creation of hazards due to hazardous material transport, use, or disposal were considered less than significant. Policy HZ4.4 and its supporting actions call for reduction of the risk of exposure to hazardous materials, including regulating the siting and permitting of businesses that handle hazardous materials. Policies HZ4.1 and HZ4.2 call for regulation of hazardous wastes, and HZ4.3 calls for quick and proper response to emergencies. Furthermore, Policy NRC3.2 discourages the use of environmentally harmful pesticides and herbicides.

The proposed project would result in development and land uses that would be within the overall scope of development evaluated in the General Plan EIR, and would not result in industrial or other types of uses that would use and/or dispose of hazardous materials other than routine household and business cleaning supplies. Thus, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(d) Exposure to Hazardous Materials. The project site is not included on the list of hazardous material sites compiled pursuant to Government Code section 65962.5. The project site is not included on a list of hazardous waste sites compiled pursuant to Government Code section 65962.5. The following Cortese List online data resources (SOURCE V.9b) were reviewed during the preparation of this document: (1) the list of hazardous waste and substances sites from the Department of Toxic Substances Control's (DTSC's) EnviroStor database (SOURCE V.9a); (2) the list of leaking underground storage tank sites from the State Water Resources Control Board's (SWRCB's) GeoTracker database (SOURCE V.9e); (3) the list of solid waste disposal sites identified with Waste Constituent Above Hazardous Waste Levels Outside the Waste Management Unit (SOURCE V.9c); (4) the list of active Cease and Desist Orders and Cleanup and Abatement Orders from the SWRCB (SOURCE V.9f); and (5) the list of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code, identified by DTSC (SOURCE V.9d). In addition, an Environmental Site Assessment prepared for the project found that the project site is not located on any of the DTSC lists of hazardous materials sites and was not listed in any of the regulatory databases (Weber, Hayes & Associates 2022).

A combined Phase I & Phase II Environmental Site Assessment (ESA) was performed for the project that evaluates the potential presence of environmental hazards and risks associated with the subject property. The ESA documents the investigation steps, regulatory records, site inspection, and interview with persons with knowledge of the site. The Phase I records search and historic document review did not reveal any environmental condition of concern for the project site (SOURCE V.20).

The Phase I/II ESA did indicate that there are a number of commercial properties with chemical releases in the vicinity of the project site; the majority of these chemical release sites have undergone case closure and obtain regulatory No Further Action status. However, the Phase I ESA indicates there is well-documented, widespread low-concentration solvent plume (TCE, cis-1,2-DCE, & Vinyl Chloride) present in downtown area groundwater that is upgradient of the project site. This dilute plume has some limited potential to encroach/flow beneath the project site, based on the southwesterly groundwater flow direction in the area. This relatively low-concentration contaminant

groundwater plume, which remains an open agency case, and is considered a Controlled Recognized Condition (CREC). In addition to documenting the location of known groundwater plumes, the Phase I ESA also evaluated the potential for pollutant plume off-gassing. The upgradient, relatively low-concentration solvent plume described above appears to be the only documented release having the potential for vapor encroachment (SOURCE V.20).

Historical land use records also document the presence of a long term of a dry cleaner to the north (upgradient) and one to the southwest (side/downgradient) of the project site. Dry cleaners are known to use relatively large quantities of chemicals, discharge dry cleaning solvent wastewater to drainage lines, and generate chemical wastes. Neither of the two cleaner businesses have any agency-documented chemical releases. However, the Phase I ESA notes that dry cleaning businesses in general have a record of solvent-laden wash water releases to drainage sumps and drainage piping so there exists some elevated potential risk of undocumented chemical releases that could encroach beneath the project site (SOURCE V.20).

A Phase II ESA was performed, which included a soil vapor and groundwater sampling program. The Phase II ESA was implemented to evaluate subsurface project site conditions. Sampling for the Phase II ESA involved collecting five groundwater samples, nine soil vapor samples, and eighteen soil core samples. The testing found trace-to-low detection of two common urban contaminants – gasoline range total petroleum hydrocarbons and solvents in groundwater beneath the site that concentration levels were detected well below established water quality and environmental screening thresholds (SOURCE V.20).

The soil vapor sample results contained relatively low-concentration volatile concentrations that included fuel-based and solvent-based volatile contaminants; two sample locations were shown to have concentrations that slightly exceeded the land use threshold for Benzene (fuel-based contamination), which is considered a common urban contaminant. Two other sample locations were shown to have low concentrations of two common degreaser compounds historically used for dry cleaning and automotive repair operations, however; the results show low concentrations levels were reported as relatively low, however, exceeding residential land use thresholds. Neither of these contamination levels exceed the commercial land use screening thresholds (SOURCE V.20).

The Phase II sampling and testing program results showed that the bulk of the shallow soils (approximately one to three feet deep) across the project site were impacted with elevated concentrations of lead and arsenic that are from typical urban sources (lead-based paint and weed and rodent control). Most of the elevated metal concentrations are characterized as “non-hazardous” and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the project site exceeded residential (unrestricted) or commercial land use screening threshold limits, but can be graded/removed and disposed of during development activities (SOURCE V.20).

The removal and disposal of these soils would be conducted in accordance and in compliance with applicable local and state regulations governing these activities. The Phase I/II ESA recommends that of the report be submitted the Santa Cruz County Environmental Health Services (SCC-EHS), as the overseeing agency, for their review and comment. The Phase I/II ESA also recommends that future earthworks and soil handling will need to be managed under an agency-approved Soil Management

Plan and SCC-EHS for which the agency will likely require additional soil vapor evaluation to confirm vapor intrusion is not a concern. The Soil Management Plan would also likely include supplemental soil delineation testing to further define the limits of shallow soil contamination and to provide accepting landfills with required acceptance data.

The proposed project includes demolition of one existing commercial building, which may contain asbestos and lead-based paint that could expose workers to a hazardous material release. The General Plan EIR found that all demolition activities would be required to be undertaken according to OSHA standards to protect workers from asbestos and lead based paint. Any demolition of buildings containing asbestos also would be required to comply with the MBARD's Rule 306 that requires reporting and investigation of certain buildings with asbestos as established under federal law. Under federal law, a building must be inspected for asbestos prior to demolition or renovation, and federal and state agencies must be notified prior to demolition. According to the State Air Resources Control board, removal and disposal of asbestos procedures and controls must be specified in the notification form. The federal government banned consumer use of lead-based paint (LBP) in 1978 and many, but not all, asbestos-containing materials (ACMs) were banned in construction products in 1989.

The commercial building to be demolished was constructed originally in 1941 (SOURCE V.18). Therefore, it has the potential to include LBP and ACMs. Project construction, including demolition, would be required to comply with applicable state regulations regarding LBP work practices, including testing and abatement. The removal of ACMs would be subject to the Asbestos Demolition and Renovation Program administered by the MBARD, which protects the public from uncontrolled emissions of asbestos through enforcement of the Federal Asbestos Standard. The Program includes survey and notification requirements prior to beginning a project, as well as work practice standards and disposal requirements. Additionally, under California law, fluorescent lamps cannot be disposed as municipal waste. Fluorescent tubes and bulbs may be managed as universal wastes under Title 22, Chapter 23 of the California Code of Regulations and are typically recycled.

The General Plan EIR concluded that new development accommodated by the General Plan could result in exposure to hazardous materials due to proximity to contaminated sites and/or with removal of hazardous building materials during demolition, but with adherence to federal, state, and local regulations, impacts would be less than significant. The preparation and implementation of Soil Management Plan for removal of contaminated soils during construction would be conducted with oversight from the County Environmental Health Department, and the City has designated as the County as the entity responsible for enforcing hazardous materials regulations. Thus, removal and disposal would be conducted in accordance with adopted regulations that would be considered uniformly applied development standards. In addition, a standard condition of approval is included in the project to require testing for asbestos and lead-based paint prior to demolition with approval from MBARD if hazardous materials are found and require removal. For these reasons, the proposed project would not result in exposure to hazardous materials and would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site with compliance with applicable regulations and the application of uniformly applied development standards that will ensure the avoidance of any significant effects. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(e) Airport Safety. The project site is not located within two miles of a public airport or air strip and would not be subjected to potential aircraft hazards.

(f) Emergency Response. Existing access to the project site is provided via Cathcart Street. The vehicular entrance from Cathcart Street would allow for two-way access to the project's parking garage. A 20-foot-wide alley along the eastern edge of the project site would provide one-way access from Cathcart Street to Lincoln Street for emergency vehicles to access the area in the event of an emergency. The project would not include any changes to exiting public roadways that provide emergency access to the site, except for access improvements into the site. Therefore, the project would not impair implementation of or physically interfere with an emergency response or evaluation plan, and would not result in an impact. Thus, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(g) Wildland Fire Hazards. The General Plan EIR indicated that future growth could result in an indirect increased risk of wildfires in the urban-rural interface and adjacent to the City's greenbelt areas, but none of the major vacant sites within the City are within identified fire hazard zones. The EIR indicates that areas targeted as "likely" to have a wildland fire include the Arroyo Seco/Meder Canyon, DeLaveaga, Pogonip, Moore Creek area and Arana Gulch, and future growth in these areas could result in an indirect increased risk of wildfires in the urban-rural interface and adjacent to the City's greenbelt areas. The General Plan EIR found that the City's adopted "Local Hazard Mitigation Plan" includes mitigation strategies to avoid or reduce potential wildfires and that General Plan actions also seek to ensure that new development is sited and designed to accommodate facility emergency access and response (HZ1.2.5, HZ1.2.6, HZ1.5.5) and that street widths are adequate to safely accommodate emergency vehicles (M3.2.3). With implementation of the General Plan policies and actions as well as implementation of the City's "Local Hazard Mitigation Plan", the General Plan EIR concluded that indirect impact on fire protection services would be less than significant. Specifically, General Plan policies and actions related to future development include measures aimed are reducing wildfire hazards (HA1.5, HZ1.5.1) and regulating development siting/design to reduce wildland fires (HZ1.5.3 [setbacks], HZ1.5.4 [fire-resistant/retardant building materials]).

According to maps developed for the City's *General Plan 2030* and included in the General Plan EIR, the project site is not located within a fire hazard area (SOURCE V.1b, DEIR Figure 4.6-1). The project site is not located within or adjacent to fire hazard areas identified in the General Plan EIR. Thus, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 10. HYDROLOGY AND WATER QUALITY<br><br>**Would the project:** | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality? | DEIR pp. 4.5-12 to 4.5-13 | DEIR pp. 4.6-22, 4.7-8 to 4.7-12, 4.7-24 to 4.7-25 | No | No | City Municipal Code Section 24.14.060, Chapters 16.19 and 18.45 regarding water quality and erosion control |
| b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? | DEIR Appendix A p. 36 | DEIR pp. 4.5-6 to 4.5-7, 4.5-39 to 4.5-42, 4.7-24 to 4.7-25 | No | No | City Municipal Code section 24.14.090 |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: | DEIR pp. 4.5-11 to 4.5-12 | DEIR pp. 4.7-5 to 4.7-8, 4.7-22 to 4.7-24 | No | No | City Municipal Code section 24.14.050, Chapter 16.19 and 18.45 regarding runoff control, grading and erosion control |
| (i) Result in substantial erosion or siltation on- or off-site; | DEIR pp. 4.5-11 to 4.5-12 | DEIR pp. 4.7-5 to 4.7-8, 4.7-22 to 4.7-24 | No | No | See above |
| (ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; | DEIR pp. 4.5-11 to 4.5-12 | DEIR pp. 4.7-5 to 4.7-8, 4.7-22 to 4.7-24 | No | No | See above |
| (iii) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff; or | DEIR pp. 4.5-11 to 4.5-12 | DEIR pp. 4.7-7 to 4.7-8, 4.7-22 to 4.7-24 | No | No | *General Plan 2030* Action CC5.1.8 and Municipal Code Chapters 16.19 and 24.14 regarding drainage and BMPs |
| (iv) Impede or redirect flood flows? | DEIR pp. 4.5-13 | DEIR pp. 4.7-12 to 4.7-14, 4.7-25 to 4.7-27 | No | No | *General Plan 2030* Actions CC5.1.7, |

| 10. HYDROLOGY AND WATER QUALITY<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| | | | | | HZ6.4.6, HZ6.4.10 |
| d) In flood hazard, tsunami or seiche zones, risk release of pollutants due to project inundation? | DEIR pp. 4.5-13 | DEIR pp. 4.7-15, 4.7-25 to 4.7-26, 4.10-14 | No | No | General Plan Policy HZ6.6 and actions |
| e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? | DEIR Appendix A p. 36 | DEIR pp. 4.7-17 | No | No | None |

(a) Water Quality/Discharges. The proposed project does not involve any discharges that would violate any water quality standards or waste discharge requirements.

Within urbanized areas such as the City, pollutants frequently associated with stormwater include sediment, nutrients, oil and grease, heavy metals, and litter. The primary sources of stormwater pollution in urban areas include automobiles, parking lots, landscape maintenance, construction, illegal connections to the stormwater system, accidental spills, and illegal dumping.

Urban runoff and other "non-point source" discharges are regulated by the 1972 Federal Clean Water Act (CWA), through the National Pollutant Discharge Elimination System (NPDES) permit program that has been implemented in two phases through the California Regional Water Quality Control Boards (RWQCB). Phase I regulations, effective since 1990, require NPDES permits for storm water discharges for certain specific industrial facilities and construction activities, and for municipalities with a population size greater than 100,000. Phase II regulations expand the NPDES program to include all municipalities with urbanized areas and municipalities with a population size greater than 10,000 and a population density greater than 1,000 persons per square mile (SOURCE V.1b. DEIR volume).

The City has developed a Storm Water Management Program (SWMP) in order to fulfill the requirements of the Phase II NPDES General Permit for Discharges of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4) (General Permit) and to reduce the amount of pollutants discharged in urban runoff. In compliance with the Phase II regulations, the City's comprehensive SWMP is designed to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP) and to protect water quality (SOURCE V.1b, DEIR volume). The City also adopted an ordinance for "Storm Water and Urban Runoff Pollution Control" (Chapter 16.19 of the City's Municipal Code), as part of its Storm Water Management Plan in accordance with the RWQCB's requirements. The ordinance identifies prohibited discharges and required Best Management Practices (BMPs) for construction and new development. City regulations (Municipal Code section

16.19.140) requires that any construction project, including those undertaken under any permit or approval granted pursuant to Titles 15 (Streets and Sidewalks), 18 (Buildings and Construction), and 24 (Zoning) of the Municipal Code, shall implement best management practices including the City's mandatory BMPs as detailed in the latest BMP manual published by the City's Public Works Department. BMPs shall be maintained in full force and effect during the duration of the project. The City's BMP manual requires a development project to include a structural or treatment control BMPs, or a combination of BMPs, to reduce potential pollutant loadings in storm water runoff to the maximum extent practicable.

The City's mandatory BMPs, as detailed in the latest BMP manual published by the City's Public Works Department, must be implemented to protect water quality into the municipal storm drain system. The project would also be subject to the Central Coast Post-Construction Requirements (PCRs) that were enacted by the Central Coast RWQCB in July 2013. The PCRs are for projects that create and/or replace ≥2,500 square feet of impervious surfaces. Based on the amount of new/replaced impervious surface area created by the project (44,440 square feet), the project would be required to comply with Tiers 1 through 4 (Site Design, Water Quality Treatment, Runoff Retention, and Peak Management). However, the project is exempt from Tier 4 requirements because stormwater runoff from the project site discharges to a continuous underground storm drain system that discharges to the marine nearshore waters.

The project would include drainage features to collect and treat stormwater runoff. The project site is currently developed, and its impervious surface area would decrease from 65,560 square feet to 44,440 square feet with the proposed project. A stormwater control plan (SWCP) has been prepared for the project that details drainage features to collect and treat stormwater runoff. The project proposes to install a biofiltration area and mechanical filtration system. Stormwater would be collected and filtered by eight new bioretention basins surrounding the perimeter of the site; stormwater would also be collected at the project's green roof (SOURCE V.13). Other measures also include provision of porous pavement on the perimeter of the site. Stormwater would be filtered through this system before it is discharged into existing City storm drains. Furthermore, the proposed project's parking garage would eliminate the existing surface parking lot, which would reduce conveyance of urban pollutants typically found in parking lots into the City's storm drain system.

Construction activity on projects that disturb one or more acres of soil must obtain coverage under the State's General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit, 99-08-DWQ). Construction activity subject to this permit includes clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP must list best management practices (BMPs) that the discharger will use to protect stormwater runoff and the placement of those BMPs. A Notice of Intent (NOI) and SWPPP must be prepared prior to commencement of construction. Proposed grading and development on the project site would disturb more than one acre and, thus, the project would be subject to the Construction General Permit and preparation of a SWPPP. In addition, the project would be required to implement the City's regulatory requirements and BMPs, as detailed in the "Stormwater Best Management Practices Manual" published by the City's Public Works Department.

The General Plan EIR concluded that with implementation of General Plan policies and adherence to City regulations to protect water quality, impacts from future development on water quality, including potential erosion, would be less than significant. Compliance with regulations contained in the City's Municipal Code regarding implementation of stormwater BMPs, grading requirements and implementation of erosion control plans (Chapters 16.19 and 18.45 and section 24.14.060), as well as, preparation and implementation of a SWPPP during construction, would mitigate potential storm runoff water quality and erosion impacts during earthwork and construction as discussed above and would be considered application of uniformly applied development standards. The Downtown Plan Amendments EIR and General Plan EIR concluded that potential impacts related to water quality would be less than significant with compliance with City stormwater regulations and BMPs and implementation of SWPPP and erosion control plans as may be required. Thus, the proposed project would not result in significant water quality impacts not otherwise addressed in the General Plan and Downtown Plan Amendments EIRs, and the project would not result in water quality impacts peculiar to the site or project with application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Groundwater. The City is primarily developed, and no groundwater recharge areas are identified or mapped in the City's *General Plan 2030* or General Plan EIR; groundwater resources utilized as part of the City's water supply are obtained from aquifers outside of the City (SOURCE V.1b. DEIR volume). The *General Plan 2030* includes goals, policies and actions that set forth measures to protect groundwater resources and supporting actions seek to safeguard existing surface and groundwater sources. The General Plan EIR concluded that development accommodated by the General Plan would not be located within groundwater recharge areas and would have no effect on recharge capabilities, and therefore, would not deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table. Development within groundwater mapped recharge areas also is regulated in Municipal Code section 24.14.090 in order to minimize adverse environmental impacts.

The project site is located within a developed area. The project would be connected to the City's public water system and does not include the use of a groundwater well. Therefore, the project would not affect groundwater supplies or recharge or impede sustainable groundwater management of the basin. Thus, the proposed project would not result in significant water quality impacts not otherwise addressed in the General Plan EIR, and the project would not result in water quality impacts peculiar to the site or project. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(c[i-iii]) Drainage. The project site is located within a developed urban area. The project site is currently developed with 65,096 square feet of impervious surface area; the project proposes a net decrease of 20,656 square feet impervious surface area through the construction of the new building, resulting in a total of 44,440 square feet of impervious surface on-site. The project site would connect to the City's existing storm drain located in Cathcart Street and Lincoln Street. As described above in subsection (a), stormwater would be collected and treated onsite with a new storm drain system, including bioretention areas and green roof, before being discharged into the City's storm drains. The proposed project would not alter existing drainage patterns. The project's stormwater system is

designed so that the project stormwater flows would exceed the capacity of storm water facilities or result in substantial erosion.

The General Plan EIR and Downtown Amendments Plan EIR concluded that potential impacts related to increased stormwater runoff would be a less-than-significant impact with implementation of General Plan policies and actions that require new development to maintain pre-development runoff levels (CC5.1.8). The project would not alter existing drainage patterns as it would lead to a net decrease in onsite impervious surface by approximately 20,650 square feet. Furthermore, section 24.14.050 of the City's Municipal Code requires preparation of a drainage plan. Drainage improvements, per this plan, would be required to be designed in accordance with City standards and Public Works requirements in order to meet water quality standards and maintain pre-project runoff levels. Implementation of measures identified in the Stormwater Control Plan in accordance with requirements of the City's Municipal Code would be considered application of uniformly applied development standards. The proposed project would not result in significant drainage impacts not otherwise addressed in the General Plan EIR or peculiar to the site or project with implementation of uniformly applied development standards related to stormwater management. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(c [iv], d) Flood Hazard Areas and Risk of Release of Pollutants. According to maps prepared for the *General Plan 2030* and included in the General Plan EIR, the project site is located within an A99 Flood Zone as designated by the Federal Emergency Management Agency (FEMA) (SOURCE V.1b, DEIR Figure 4.7-1). This designation indicates that the project area is subject to inundation by a 1-percent-annual-chance flood event that will be protected by a Federal flood control system where construction has reached specified legal requirements. A99 Zones are areas where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes, which in this case are improvements to the levee adjacent to San Lorenzo River (SOURCE V.1b). The project site also is within a mapped tsunami inundation zone (SOURCE V.1b, DEIR Figure 4.7-2). However, the National Oceanic and Atmospheric Administration operates a tsunami warning system that gives several hours' notice to allow evacuation of threatened areas (SOURCE V.1b, DEIR volume).

With implementation of the proposed policies and actions related to flood control and adherence to other City plans and regulations, the General Plan EIR concluded that future development would not result in substantial risk of exposure of structures or people to flood hazards and impacts would be less than significant. The Downtown Plan Amendments EIR also concluded that compliance with federal flood requirements and implementation of City plans and programs, impacts resulting from future development would be less than significant. The proposed project would not result in significant flood hazards not otherwise addressed in the General Plan and Downtown Plan EIRs or peculiar to the site or project. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

*Sea Level Rise*. The General Plan EIR reported that sea level rise, storms of increasing intensity, and an alternating series of floods and droughts threaten the City of Santa Cruz in the coming decades. The EIR indicated that the City was in the process of drafting a "Climate Change Adaptation Plan" to identify and evaluate the potential impacts of climate change on the City of Santa Cruz, analyze the

severity of the hazards that the City faces, and develop potential adaptation responses to reduce the risk and exposure of the City to these hazards. The City prepared a "Climate Adaptation Plan" with funding from FEMA (SOURCE V.2b). The objectives of this Plan are to identify and evaluate the potential impacts of climate change on the City of Santa Cruz, analyze the severity of the hazards that the City faces, and develop potential adaptation responses to reduce the risk and exposure of the City to these hazards. The potential risks were identified in a "Vulnerability Study" that identified potential facilities vulnerable to risks of sea level rise, including beaches, the City's wastewater treatment facility, and the Santa Cruz Harbor (SOURCE V.1b, DEIR volume).

The Climate Adaptation Plan Update 2018-2023, adopted by the City Council in October 2018, further addresses sea level rise. The project site is not located within an area identified as being subject to potential effects of sea level rise; it is located in the downtown area, away from zones along the coastal areas of the City, that are subject to sea level rise hazards. The project site also doesn't contain any critical facilities, listed in the Climate Adaptation Plan, that provide essential services and protect life and property within the City. Thus, the proposed project would not result in significant impacts related to sea level rise not otherwise addressed in the General Plan EIR related to sea level rise, and the project would not result in impacts peculiar to the site or project. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(e) Conflict with Plans. The project site is not located adjacent to a water course or water body. The proposed project would not result in new discharges or conflict with provisions in the Central Coast Basin Plan as all stormwater would be directed into the City's storm drain system with pre-treatment in a bioretention basin to prevent water quality degradation in accordance with the City's stormwater requirements. A sustainable groundwater management plan for the area in which the project is located has not yet been prepared. Therefore, the project would not conflict with or obstruct implementation of an adopted water quality or groundwater plans.

| **11. LAND USE**<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Physically divide an established community? | DEIR p. 4.9-4 | DEIR pp. 4.1-21 to 4.1-22 | No | No | None |
| b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | DEIR pp. 4.9-5 to 4.9-8<br>FEIR pp. 3-5-37, 4.9-9 to 4.9-11 | DEIR pp. 4.1-9 to 4.1-14, 4.1-25 to 4.1-27 | No | No | None |

(a) Physically Divide an Established Community. The project site is located within the developed, downtown, urban area of the City, and the project would not physically divide an established

community. The General Plan EIR concluded that future development accommodated by the General Plan would result in no impact because the City of Santa Cruz is primarily built out and as an established community, new development accommodated by the proposed *General Plan 2030* would be considered infill development. Thus, new development would be within an established community and would not result in a physical division of an established community. Furthermore, proposed goals, policies and actions in the draft *General Plan 2030* limit potential expansion of the City's boundaries and seek to maintain the City's urban development limits. Thus, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Conflict with Policies and Regulations. As indicated in Section IV.B., the proposed project is consistent with *General Plan 2030* land use designations. The proposed use is consistent with General Plan and zone district land use designations as discussed in section IV.B and C. Based on the analyses contained in this Environmental Checklist and City staff review of the *General Plan 2030*, the proposed project would not result in a conflict with any policies or regulations adopted for the purpose of avoiding or mitigating an environmental impact. The proposed project is consistent with the General Plan, and the project would not result in land use impacts peculiar to the site or project. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| **12. MINERAL RESOURCES**<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | DEIR Appendix A p. 16 | DEIR pp. 4.15-3 to 4.15-4, 4.15-6 | No | No | None |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | DEIR Appendix A p. 16 | DEIR pp. 4.15-3 to 4.15-4, 4.15-6 | No | No | None |

(a-b) Loss of Mineral Resources. There are no mineral resources within the City (SOURCE V.1b, DEIR volume). The project therefore would not result in any impact peculiar to the parcel or project with respect to this impact, and no further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 13. NOISE<br><br>Would the project result in: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance or applicable standards of other agencies? | DEIR Appendix A pp. 38 to 40 | DEIR pp. 4.13-4 to 4.13-8, 4.13-10 to 4.13-22 | No | No | GP Action HZ3.1.1, HZ3.1.2, HZ3.1.3, HZ3.1.5, HZ3.2.3<br>Municipal Code section 24.14.260, Municipal Code section 18.04.030 (California Building Code adoption, including Sound Transmission Control) |
| b) Generation of excessive ground borne vibration or ground borne noise levels? | DEIR Appendix A pp. 39 to 40 | DEIR pp. 4.13-10, 4.13-20 to 4.13-22 | No | No | GP Action HZ3.1.3, HZ3.1.5<br>Municipal Code section 24.14.220 |
| c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | DEIR Appendix A p. 38 | Not Applicable | No | No | None |

(a) Noise Increases. The primary existing noise source within the project area is traffic noise along area streets. The project site is not within a noise contour mapped per the General Plan; Front Street to the east of the project site is within a 60-dBA noise contour according to the *General Plan 2030* (SOURCE V.1b, DEIR Figures 4.13-1 and 4.13-2).

The *General Plan 2030* includes goals, policies and actions that set forth measures to avoid and minimize adverse impacts regarding exposure to noise. In particular, noise-land use compatibility standards will be applied to all new residential projects (HZ3.2.1), and the General Plan seeks to ensure that noise standards are met in the siting of noise-sensitive uses (HZ3.2). The policies also establish an interior noise level of 45 dBA for all residential uses (HZ3.2.3), consistent with state law. Municipal Code section 18.040.030 adopts State of California building codes as part of the City's

Building Code, and section 18.36.010 refer to CBC sound transmission control. The General Plan indicates that exterior noise levels to 65 dBA are normally acceptable for new multi-family development; noise levels to 70 dBA are considered conditionally acceptable and typically require an acoustical study to determine whether additional insulation or window treatments are required. Normal noise attenuation within residential structures with closed windows is about 20 dBA. As noted above, the project site is not mapped within a noise contour per the General Plan. Therefore, the project conditions would be below the 65-dBA exterior noise threshold as designated by the General Plan EIR.

At the end of 2018, amendments to the State CEQA Guidelines were adopted by the State of California that included changes to the Appendix G environmental checklist, including elimination of questions related to exposure to noise. The questions focus on the potential permanent and temporary noise generated by a project. The proposed project would include residential development, as well as a new library, a childcare facility, commercial space and a parking garage that would be enclosed. None of the project uses residential, library, commercial, or childcare facility)not typically associated with activities that would generate substantial permanent increases in ambient noise levels. The proposed parking garage would be enclosed, which would generally create a shield to vehicular noise, and would replace the existing surface public parking lot on the project site.

A project Noise Impact Analysis (SOURCE V.19) evaluated potential operational and construction noise associated with the project and found that the proposed project would not result in a substantial increase in permanent noise levels. The analysis evaluated operational noise generated by mechanical equipment and indirect noise associated with project traffic. The project mechanical equipment would be limited to the roof and to the area between the library mezzanine and future residential community patio. The library will be fully air-conditioned, and heating, ventilating, and air-conditioning units could be located in areas exposed to adjacent property lines. Based on previous noise measurements near the project site , the lowest hourly Leq noise level is 43 dBA, which represents the ambient noise level (SOURCE V.19). Based on Municipal Code Section 24.14.260, the property line noise criterion for the project mechanical equipment is 48 dBA (i.e., ambient noise level plus five) (SOURCE V.19). The analysis found that the potential noise increases related to mechanical equipment is below the threshold considered in the General Plan 2030 EIR for potentially significant impacts, which is a permanent increase in noise level of five decibels in areas where ambient levels are below 60 dBA Ldn (SOURCE V.19).

An analysis of noise generated by mechanical equipment found that the increase in ambient noise levels would be below the threshold considered in the General Plan 2030 EIR for potentially significant impacts (Salter 2023). In addition, the analysis of noise levels with project traffic found that the increase in traffic resulting from the project would result in an increase in noise levels below City thresholds. Therefore, the project would not result in a significant impact related to permanent increases in noise (Salter 2023). In addition, Municipal Code section 9.36.010 prohibits offensive noise between the hours of 10 PM and 8 AM and section 9.36.020 prohibits unreasonably disturbing noises. Furthermore, section 24.14.260 prohibits increases of sound levels above five decibels (dBA) above the local ambient noise level on a residential property. These regulations are intended to prevent increases in ambient noise levels.

The analysis found that the project traffic when added to existing traffic volumes as identified in the project traffic analysis (SOURCE V.17) would result in an increase in ambient noise levels of less than three decibels at the intersections studied, which would be a less-than-significant increase in noise as the increase would be less than the five-decibel threshold in the General Plan EIR.

There would be a temporary increase in existing noise levels during demolition, earthwork, and construction of the project. The nearest sensitive noise receptors are residential uses located on Cedar Street, approximately 155 feet to the south of the project site. A residential project is currently under construction on the west side of Cedar Street across the street from the proposed project.

Noise impacts resulting from construction would depend on the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive receptors, as well as existing ambient noise levels. Noise generated during construction would vary throughout the construction period and on any given day, depending on the construction phase and the type and amount of equipment used at the construction site. The highest noise levels would be generated during demolition and grading of the site, with lower noise levels occurring during building construction and finishing. As explained in the General Plan EIR, construction sound levels would be intermittent and varied through a single day as well as the duration of project construction.

There would be a temporary increase in existing noise levels during project grading and construction. Noise levels resulting from construction would depend on the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive receptors, as well as existing ambient noise levels. Noise generated during construction would vary throughout the construction period and on any given day, depending on the construction phase and the type and amount of equipment used at the construction site. The highest noise levels would be generated during grading of the site, with lower noise levels occurring during building construction and finishing. Sensitive noise receptors, which are residential uses located approximately 155 feet west of the project site, would experience a temporary increase in noise levels. However, construction sound levels would be intermittent and varied through a single day as well as throughout the duration of project construction, and construction noise levels would decrease with distance from the construction site. Overall, construction noise levels would be temporary and short-term, and would fluctuate throughout the construction period with the construction activities producing higher noise levels occurring earlier in the construction phase. Therefore, construction noise would not result in substantial increases in temporary noise levels or result in a significant impact to sensitive receptors (SOURCE V.19).

The *General Plan 2030* includes goals, policies and actions that set forth measures to avoid and minimize adverse impacts of increased noise resulting from construction or operation of development projects (HZ3.1.1,HZ3.1.2, HZ3.1.3, and HZ3.1.5). The General Plan EIR concluded that with implementation of General Plan policies and adherence to City regulations, noise impacts from future development would be less than significant. The General Plan EIR concluded that development accommodated by the plan would result in construction of varying sound level and duration, but with implementation of General Plan policies and actions that set forth measures to minimize exposure construction noise levels, the increase in temporary noise levels from construction-related activities

would be considered less than significant. General Plan policies seek to minimize and monitor construction noise (HZ3.1.3, HZ3.1.5). In particular, the General Plan seeks to ensure that construction activities are managed to minimize overall noise impacts on surrounding land uses (HZ3.1.3). Development projects are reviewed on a case-by-case basis, and typical conditions of approval include limiting the day and times of day during which construction and/or heavy construction can be conducted, provision of notification to neighbors regarding construction schedules, and implementation of a process to receive and respond to noise complaints. These are some of the types of measures that would be required by the City to manage and minimize construction noise impacts of development projects per proposed General Plan Actions HZ3.1.3 and HZ3.1.5 (SOURCE V.1b, DEIR volume), which would be considered uniformly applied development policies and standards. The project noise study recommends construction best management practices that would minimize construction noise, which will be a condition of project approval, and consistent with the General Plan, would be considered an uniformly applied development standard.

Municipal Code section 24.14.220 indicates that no land or building in any district shall be used or occupied in any manner so as to create noise or vibration in such a manner or in an amount as to adversely affect the surrounding area or adjoining premises. Municipal Code section 9.36.010 prohibits offensive noise between the hours of 10 PM and 8 AM and section 9.36.020 prohibits unreasonably disturbing noises. Furthermore, section 24.14.260 prohibits increases of sound levels above five dBA above the local ambient on a residential property. These regulations are intended to prevent increases in ambient noise levels and would be considered uniformly applied regulations to which the proposed project would be subject to compliance.

Therefore, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site regarding permanent or temporary increases in noise with the application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Vibration. The General Plan EIR indicates that there were no planned land uses that would be expected to result in generation of groundborne vibration, and that the potential for vibration is mostly associated with construction-related impacts. Construction noise and potential vibration would be performed during daytime hours and be temporary in nature. As indicated above, the General Plan EIR concluded that with implementation of General Plan policies and adherence to City regulations, noise impacts from construction of future development projects would be less than significant. Municipal Code section 24.14.220 indicates that no land or building in any district shall be used or occupied in any manner so as to create noise or vibration in such a manner or in an amount as to adversely affect the surrounding area or adjoining premises.

The proposed residential use would not result in generation of or exposure to vibration as the proposed uses are not known to be sources of vibration. Construction activities can cause vibration that varies in intensity. The use of pile driving and vibratory compaction equipment typically generates the highest construction-related groundborne vibration levels. Because of the impulsive nature of such activities, the use of the Peak Particle Velocity (PPV) descriptor has been routinely used to measure and assess groundborne vibration and almost exclusively to assess the potential of vibration to induce structural damage and the degree of annoyance for humans. To assess the

potential for vibration to result in structural damage, Caltrans recommends a vibration limit of 0.5 in/sec PPV for historic buildings, 0.2 in/sec PPV for fragile buildings, and a conservative limit of 0.12 in/sec PPV for ancient buildings, ruins or extremely fragile buildings that are documented to be structurally weakened (Caltrans 2013[5]).

The noise impact analysis considered vibration resulting from construction activities. Vibration-producing construction activities are likely to occur during demolition and site preparation with the use of dozers and drilling to clear the site and prepare the foundation of the buildings. The analysis found that vibration levels are not expected to exceed the 0.1 in/sec PPV threshold for human annoyance or the 0.2 in/sec PPV threshold for damage to "normal dwelling houses" at the nearest residential properties; the highest construction-related vibration level would be 0.012 (SOURCE V.19). Thus, the proposed project would not result in significant impacts not otherwise addressed in the General Plan EIR or peculiar to the project or site regarding generation of excessive vibration. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(e-f) Airport Noise. The project site is not located near an airport or private airstrip.

| 14. POPULATION AND HOUSING<br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | DEIR pp. 5-3 to 5-4 | DEIR pp. 4.2-2 to 4.2-6, 4.2-12 to 4.2-14 | Not Applicable | Not Applicable | None |
| b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? | DEIR Appendix A p. 41 | DEIR pp. 4.2-14 to 4.2-15 | Not Applicable | Not Applicable | None |

(a) Inducement of Substantial Population Growth. The General Plan 2030 EIR estimated population and housing increases that could result from potential development and buildout accommodated by the plan that included 3,350 residential dwelling units with an associated population increase of 8,040 residents by the year 2030. The project would include construction of 124 new dwelling units. The

[5] California Department of Transportation. April 2020. "Transportation and Construction Vibration Guidance Manual."

project would not induce substantial population growth in the City as it would be consistent with population growth projections developed for the City and the amount of development described in the General Plan EIR as described below (SOURCE V.1b, DEIR volume). It is also noted that the proposed project would not be inducing new population growth, but would serve existing households in the city or county that are on waiting lists for affordable housing. The Housing Authority of Santa Cruz County has indicated to City staff that there are a total of 10,851 applicants on the waiting list for affordable housing.

The City had a population of 64,075 people as of January 1, 2022 (SOURCE V.6). The proposed project's 124 residential units would house approximately 290 residents based on the City's existing average household size of 2.33. This is a conservatively high estimate as household sizes in the downtown area at about 1.9 persons per household are slightly lower than the Citywide average, based on Census information. With the additional conservative assumption that all of the project's residents would be adding to the City's population, rather than simply moving from other places in the City (as is most likely, given the waiting list for affordable housing), the City's population would total 64,365. This is within the adopted regional population forecast of 68,845 for the city of Santa Cruz for the year 2025 (SOURCE V.4a), and also within the population forecast of 64,649 residents in the City in 2025 that was considered in the General Plan 2030 EIR. Therefore, the proposed project would not substantially induce unplanned population growth. Since the potential population growth resulting from the proposed project would fall within the total level of development analyzed in the General Plan EIR and is consistent with current regional forecasts, no further environmental analysis is required pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183.

(b) Displacement of Existing Housing or People. No housing units exist on the project site. Existing uses on the project site include a small commercial building and paved public parking lot. Therefore, the project would not result in displacement of housing or residents and thus would not result in any impact peculiar to the parcel of the project with respect to this category of impact.

| **15. PUBLIC SERVICES** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or need for new or physical altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services: | | | | | |
| Fire protection? | DEIR pp. 4.6-10 to 4.6-11 | DEIR pp. 4.6-2 to 4.6-4, 4.6-33 to 4.6-36<br>FEIR pp. 3-19 | No | No | None |

| 15. PUBLIC SERVICES | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| Police protection? | DEIR p. 4.6-11 | DEIR pp. 4.6-4 to 4.6-5, 4.6-36 to 4.6-37 | No | No | None |
| Schools? | DEIR pp. 4.6-11 to 4.6-13 | DEIR pp. 4.6-20 to 4.6-21, 4.6-40 to 4.6-41 | No | No | Payment of School Impact Fees |
| Parks? | DEIR pp. 4.6-13 to 4.6-15<br>FEIR pp. 3-4 to 3-5 | DEIR pp. 4.6-5 to 4.6-20, 4.6-37 to 4.6-40<br>FEIR pp. 3-20 to 3-22 | No | No | None |
| Other public facilities? | Not Applicable | Not Applicable | No | No | None |

Police and Fire Protection Services. As indicated in Section IV.B above, the City's General Plan EIR considered construction of approximately 3,350 residential units within the City to the year 2030 (SOURCE V.1b); the proposed project is within the total and remaining unbuilt residential units and commercial square footage. Thus, the project's proposed 124 residential units and non-residential space would be within the overall amount of development evaluated in the General Plan EIR. The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for fire and police protection services, which was further supported by subsequent analyses in the Downtown Plan Amendment EIR. Thus, construction of any new public facilities to serve the project would not be warranted with General Plan buildout. Since the proposed project size would fall within the total amount of potential development analyzed in the General Plan EIR and Downtown Plan Amendments EIR and would not result in more severe impacts than analyzed in these EIRs, no further environmental analysis is required regarding these public services pursuant to Public Resources Code section 21083.3 and State CEQA Guidelines section 15183.

School Enrollments. The Downtown Plan Amendments EIR and General Plan EIR concluded that buildout of the *Downtown Plan* and General Plan could result in potentially significant impacts to schools but, with required payment of school impact fees to fund necessary facility expansion and/or additions in conjunction with potential reuse of the former Natural Bridges Elementary School if needed, the impact would be mitigated to a less-than-significant level. The *Downtown Plan* Amendments EIR and General Plan EIR concluded that potential addition or expansion of school classroom facilities is not expected to result in significant physical impacts due to the location of existing facilities within developed footprints.

As the proposed project would be within the amount of development analyzed in the and General Plan EIR and Downtown Plan Amendments EIR and would be within the amount of development

analyzed in the General Plan EIR, no new or substantially worsened impacts to schools or impacts peculiar to the project or site would occur. No further environmental analysis is required regarding this public service pursuant to Public Resources Code section 21083.3. It is also noted that payment of school impact fees would be required.

Parks and Recreation. See Section IV.E.16 below regarding impacts to parks and recreational facilities.

| 16. RECREATION<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | DEIR pp. 4.6-13 to 4.6-15<br>FEIR pp. 3-4 to 3-5 | DEIR pp. 4.6-5 to 4.6-20, 4.6-37 to 4.6-40 | No | No | Parks and Recreation Facilities Tax |
| b) Include recreational facilities or require the construction or expansion of recreational facilities? | DEIR p. 4.6-10 | DEIR pp. 4.6-10 to 4.6-11 | No | No | None |

(a) Use of Existing Parks and Recreational Facilities. The City has responsibility for management, maintenance and operation of over 1,700 acres of parks and open space lands, and various community/recreational facilities, and oversees development of new parks and improvements within City-owned parks, open space, and community facilities. In the project area, the Santa Cruz Riverwalk provides pedestrian and bicycle access to the multi-use path on the river levee. Other nearby facilities include outdoor courtyards at City Hall and the Town Clock and adjacent mini-park. The project site also is less than one mile to Depot Park and the City's Main Beach.

As indicated in Section IV.B above, the City's General Plan EIR considered construction of approximately 3,350 residential units within the City to the year 2030 (SOURCE V.1b, DEIR volume), and the proposed project is within the total and remaining unbuilt residential units. Thus, the proposed project would be within the overall amount of development evaluated in the General Plan EIR. The EIR analyses concluded that, while the City does not meet its goal for neighborhood parks of 2.0 acres per 1,000 residents and for community parks of 2.5 acres per 1,000 residents, implementation of General Plan goals, policies, and actions that set forth measures to avoid and minimize adverse impacts on park and recreational facilities, as well as compliance with local regulations, would ensure that impacts to parks and recreational facilities resulting from buildout of the General Plan would be less than significant. The Downtown Plan Amendment EIR concluded that with implementation of the proposed *General Plan 2030* goals, policies and actions that set forth measures to avoid and minimize adverse impacts on parks and recreational facilities and required project payment of park fees, impacts of new development in the downtown area would be less than significant.

Furthermore, the City imposes a "Parks and Recreation Facilities Tax" (pursuant to Chapter 5.72 of the Municipal Code) on new residential development within the City, payable at the time of issuance of a building permit. The collected taxes are placed into a special fund, and "shall be used and expended solely for the acquisition, improvement and expansion of public park, playground and recreational facilities in the city" (Municipal Code section 5.72.100). The required fees for park expansion and improvements would be considered an application of uniformly applied development standards. (It is noted that projects that have dedicated land or fees in accordance with Municipal Code Chapter 23.28 requirements for subdivisions are exempt from this tax). Thus, with implementation of uniformly applied development standards, the proposed project would not result in significant impacts to parks and recreational facilities not otherwise addressed in the General Plan and Downtown Plan Amendments EIRs or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) New Recreational Facilities. The project does not include public recreational facilities. As indicated above, the General Plan concluded that potential impacts to parks and recreational facilities with growth accommodated by the General Plan would be less than significant. The proposed project would not result in significant impacts to parks and recreational facilities not otherwise addressed in the General Plan EIR or peculiar to the project or site. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| **17. TRANSPORTATION AND TRAFFIC**<br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Conflict with a program, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? | DEIR pp. 4.7-17 to 4.7-21 | DEIR pp. 4.4-2 to 4.4-26, 4.4-31 to 4.4-45 | No | No | GP Actions M3.1.3, M3.1.4, M2.3.2 regarding traffic improvements and Traffic Impact Fee Program |
| b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)? | 4.7-16, 4.7-19 to 4.17-20 | Not Applicable | No | No | GP Policy LU4.2<br>GP Actions M3.1.1, M3.1.1 regarding trip reduction, high occupant vehicle travel, and alternative travel modes<br>City VMT Implementation Guidelines |

| 17. TRANSPORTATION AND TRAFFIC<br><br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| | | | | | Traffic Impact Fee Program |
| c) Substantially increase hazards due to a geometric design feature (for example, sharp curves or dangerous intersections) or incompatible uses (for example, farm equipment)? | DEIR p. 4.7-21 | DEIR pp. 4.4-45 to 4.4-46 | No | No | None |
| d) Result in inadequate emergency access? | DEIR p. 4.7-22 | DEIR pp. 4.6-33 to 4.6-37 | No | No | None |

(a) Conflict with Circulation Plan, Policy or Ordinance. The project site is bordered by commercial businesses and Pacific Avenue to the east, Cathcart Street to the south, Cedar Street to the west, and Lincoln Street to the north. Project access will be provided along the southeastern portion of the site, from Cathcart Street, via a new one-way alley and parking garage entrance. The new alley would allow one-way access only in the northerly direction, across the project site, exiting onto Lincoln Street. The parking garage access point would allow both ingress and egress to/from the three-story parking garage. Both access points would be improved with a new driveway approach.

The local roadway network serving the project site includes Pacific Avenue, Cedar Street, Front Street, and Soquel Avenue. The Santa Cruz Metro Transit District (METRO) has bus route service along Cedar Street. Local METRO bus stops are located along Cedar Street/Cathcart Street intersection (Routes 10, 40, 41, and 42) and along Cedar Street/Lincoln Street intersection (Routes 40, 41, and 42). The project site is also approximately 350 feet northwest of the Santa Cruz Metro Center, which provides routes to other locations in the county. Pedestrian and bicycle facilities are located in the area, including sidewalks and bicycle lanes along Pacific Avenue, Cathcart Street, Cedar Street, and Lincoln Street.

The project includes 243 parking spaces within the proposed parking garage to support the residential, library, and commercial uses and 258 bicycle parking spaces. The project includes 140 Class 1 (individually locked enclosure, weather and vandalism protected, supervised) bicycle parking spaces and 118 Class 2 (stand to lock to bike wheel or frame) bicycle spaces. The project includes frontage improvements along Cathcart Street, Cedar Street, and Lincoln Street per City standards, including sidewalks.

The *General Plan 2030* includes goals, policies and actions that set forth comprehensive measures to reduce vehicle trips, increase vehicle occupancy, encourage use of alternative transportation modes, and promote alternative-sustainable land use patterns, all of which would help reduce vehicle trips, avoid and minimize adverse impacts related to traffic. The City's General Plan strives to maintain the

established “level of service” D or better at signalized intersections (M3.1.3). “Level of service” (LOS) is typically used to evaluate traffic operations, in which operating conditions range from LOS “A” (free-flowing) to LOS “F” (forced-flow). Caltrans endeavors to maintain a target LOS at the transition between LOS C and D on State highway facilities. Delays for signalized intersections are evaluated for the overall peak hour as an “average.” The methodologies for unsignalized intersections also evaluates the delays for the each “critical” movement (e.g. stop sign controlled approaches on the minor street and main line left turn). The City’s General Plan also accepts a lower level of service and higher congestion at major regional intersections if necessary improvements would be prohibitively costly or result in significant, unacceptable environmental impacts (M3.1.4).

According to a traffic study performed for the project, the proposed project would result in a net increase of 2,144 daily trips, including trips from the new library, with 82 new trips occurring the AM peak-hour and 269 trips occurring during the PM peak hour (SOURCE V.17). The study found that all intersections in the project vicinity currently operate under Level of Service (LOS) C or better. With addition of project traffic, all intersections would remain at LOS C or better, except Front Street and Soquel Avenue intersections would operate at LOS D during PM peak hour traffic (SOURCE V.17). Therefore, because all intersections would operate at LOS D or better, the proposed project would continue to operate at acceptable City LOS levels and would not conflict with City policies regarding traffic congestion. The proposed project is also located in proximity to pedestrian and bicycle facilities that could be used for some of the project’s daily trips.

The City’s General Plan 2030 EIR concluded that adoption and implementation of the *General Plan 2030* would accommodate future development that would result in increased vehicle trips and traffic, which would cause changes in some intersection levels of service to unacceptable levels or further deterioration of intersections currently operating at unacceptable levels of service at some locations. The General Plan EIR did not identify intersections in the project vicinity that would operate at deficient LOS nor did the General Plan EIR did not identify any impacted intersections in the downtown area with development accommodated by the *General Plan 2030*. Subsequent to adoption of the General Plan, the City adopted a series of amendments to the *Downtown Plan* that could result in additional development in the downtown area beyond what was considered in the General Plan EIR. However, a traffic analysis conducted for the Downtown Plan Amendments EIR found that traffic associated with development resulting from the *Downtown Plan* amendments, would not result in degradation of LOS to below acceptable levels at the intersections studied in the Downtown Plan Amendments EIR under the jurisdiction of the City.

Two regional Caltrans intersections (Highway 1 / Highway 9 and Chestnut Street / Mission Street) would continue operate at LOS E as a result of the *Downtown Plan* amendments. There are improvements identified for the Highway 1/Highway 9-River Street intersection, which are currently under construction, and the Chestnut Street / Mission Street intersection is included in the Regional Transportation Improvement Program (RTIP). These improvements were already required under existing conditions without development resulting from the General Plan or *Downtown Plan*. Traffic associated with future development in the downtown would not further degrade the LOS at the two Caltrans intersections and would not substantially increase delay (SOURCE V.2b, DEIR volume). Therefore, the Downtown Plan Amendments EIR concluded that traffic associated with the growth resulting from *Downtown Plan* amendments would not cause existing or planned intersections to

operate at an unacceptable Level of Service (LOS) or further degrade intersections that already operate at an unacceptable LOS, resulting in a less-than-significant impact.

The General Plan EIR found that with implementation of the identified intersection improvements and *General Plan 2030* policies and actions to reduce vehicular traffic, increase vehicle occupancy and support/encourage use of alternative transportation measures, the identified impact could be reduced to a less-than-significant level at the remaining impacted intersections. However, funding availability likely would remain constrained for major facility improvements and expansion of transit service into the foreseeable future. The General Plan concluded that implementation of recommended improvements and alternative transportation facilities cannot be assured, and that the impact to the intersections identified as operating at unacceptable levels of service under the proposed *General Plan 2030* was conservatively assumed to be significant.

The project would be subject to payment of traffic impact fees that are applied uniformly throughout the City to all new development as part of the city-wide TIF program. The proposed project would not result in significant impacts related to conflicts with policies or regulations regarding the City's circulation system or peculiar to the project or site. The project does not conflict with General Plan mobility policies regarding level of service goals, transportation improvements, reduction of vehicle trips, and encouraging multi-modal and alternative transportation systems. The project would not conflict with adopted policies, plans or programs that support alternative transportation. Thus, no further environmental analysis is required pursuant to Public Resources Code section 21083.3 and the State CEQA Guidelines section 15183.

In addition, subsequent to the City Council's certification of the Final EIR for the General Plan, provisions of CEQA essentially outlawing the use of level of service as a basis for finding significant transportation impacts took effect. Senate Bill (SB) 743, enacted in 2013, created Public Resources Code section 21099, which directed the Governor's Office of Planning and Research (OPR) and the Secretary of the Natural Resources Agency to establish criteria for determining the significance of transportation impacts of projects within transit priority areas, with the option of creating new statewide criteria. The significance criteria for transit priority areas were to promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. In developing the new criteria, OPR and the Secretary were to recommend potential metrics that included, but were not limited to, vehicle miles traveled [VMT], vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated. Section 21099 further provided that, once the CEQA Guidelines had been updated as required by the statute, "automobile delay, as described solely by level of service [LOS] or similar measures of vehicular capacity or traffic congestion shall not be considered a significant impact on the environment pursuant to [CEQA], except in locations specifically identified in the guidelines, if any."

Consistent with these directives, the Natural Resources Agency promulgated CEQA Guidelines section 15064.3, which became effective in late 2018. It provides that "[g]enerally, vehicle miles traveled is the most appropriate measure of transportation impacts," with VMT referring to "the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel." Rather than limit its scope only to transit priority areas, the section changed the approach to assessing transportation impacts under

CEQA all over the State. By its own terms, however, the section did not require agencies to begin using VMT as a new metric until July 1, 2020. LOS had ceased to be a valid significance criterion as of late 2018, however. (See *Citizens for Positive Growth & Preservation v. City of Sacramento* (2019) 43 Cal.App.5th 609, 625-626.)

For these reasons, the City could not find a significant transportation-related effect from the proposed project even if the project resulted in LOS worse than what was anticipated in the General Plan EIR.

(b) Conflicts with State CEQA Guidelines. Subsequent to certification of the General Plan 2030 EIR, amendments to the State CEQA Guidelines at the end of 2018 added a new question of whether or not a project would conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). As explained above, this is a new section that codifies the switch from LOS to VMT as the metric for transportation analysis pursuant to state legislation adopted in 2013, SB 743.

CEQA Guidelines section 15064.3(b) indicates that development projects that exceed an applicable VMT threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

In accordance with the amended CEQA Guidelines, the City has transitioned from intersection LOS formerly used for traffic impact analyses to VMT as the metric for determining potentially significant impacts. The City adopted a VMT transportation threshold on June 9, 2020 in accordance with CEQA and state requirements, as well as VMT Implementation Guidelines that are consistent with the State's SB 743 Guidelines. The threshold generally establishes that a project exceeding a level of 15 percent below the County-wide average VMT may result in a significant transportation impact. The City's adopted SB 743 (VMT) Implementation Guidelines include potential Transportation Demand Management (TDM) measures to help achieve VMT reduction. Updates to the City's Guidelines were adopted on June 14, 2022.

The City's guidelines to determine whether a land use project is within the VMT threshold includes a screening process in which situations are identified under which projects are determined to not have a significant impact and further VMT analysis is not required. The guidelines require that each distinct land use for a mixed-use project be analyzed separately unless they are determined to be insignificant to the total VMT. The guidelines also state that housing projects are expected to cause a less-than-significant impact on VMT if a high percentage of the project is affordable, as determined by the City. Furthermore, projects, or portions of a project, that meet the screening criteria do not require a CEQA transportation analysis, and such projects, or portions of a project, will have a non-significant CEQA transportation impact based on their project location and characteristics. According to the City's guidelines, projects that would not be expected to result in a significant VMT impact and that are screened out from further transportation impact review include:

- Small projects that generate fewer than 110 trips per day;

- Projects near high quality transit: within a ½ mile of a major transit stop or a high quality transit corridor with a combined service interval frequency of 15 minutes or less during the AM and PM peak hours;
- Local-serving retail if a single store is less than 50,000 square feet or project is a local-serving project as determined by the City;
- Affordable housing projects that provide a high percentage of affordable housing as determined by the City;
- Local essential service, including day care center, public K-12 schools, police or fire facility, medical/dental office building, government offices, and supportive housing types (assisted living, permanent supportive housing, memory care, etc.);
- Map based screening; and
- Redevelopment projects that do not result in a net increase in VMT (SOURCE V.3e).

City staff has reviewed the project in accordance with the City's adopted guidelines. The traffic study concluded that the proposed project meets the screening criteria because it is located in a VMT Efficient Area based on the Santa Cruz County Residential Screening Map, and, therefore, the project is located in an area that produces VMT per capita that is at least 15-percent below the Countywide average (SOURCE V.17). As described above in section (a), the project is also within ½ mile of a major transit stop that provides service at an interval of 15 minutes or less during AM and PM peak hours. Thirdly, the project includes 124 new residential units that would be 100 percent affordable. Additionally, each of the project elements can use the screening criteria in the City's SB 743 Implementation Guidelines as follows.

- Projects near High-Quality Transit: This screening criterion is met as the proposed project is within one-half mile of a high-quality transit stop as defined by California Public Resources Code section 21064 (Santa Cruz Metro Center).
- Local-Serving Retail: This screening criterion covers the net increase of approximate 6,500 square feet space for commercial uses that would be considered local-serving retail uses, which is substantially less than the screening level of 50,000 square feet.
- Affordable Housing: This screening criterion is met as the proposed project provides 100-percent-affordable housing with the proposed 124 units of affordable housing, which would be considered a high proportion of affordable housing.
- Local Essential Service: this screening criterion covers the proposed daycare and government offices uses (library) (SOURCE V.3c).

For these reasons, according to the City's guidelines, the project would not result in a significant impact related to VMT based on the City's adopted threshold and guidelines would not conflict or be inconsistent with CEQA Guidelines section 15064.3.

The *General Plan 2030* includes goals, policies and actions that set forth comprehensive measures to reduce vehicle trips, increase vehicle occupancy, encourage use of alternative transportation modes, and promote alternative-sustainable land use patterns, all of which would help reduce vehicle trips and VMT, and avoid and minimize adverse impacts related to traffic. General Plan EIR indicates that

Policies M3.1.1 and M3.1.2 direct the City to seek ways to reduce vehicle trip demand, reduce the number of peak hour vehicle trips, and encourage high occupant vehicle travel. Implementation of General Plan policies that serve to reduce VMT would be considered uniformly applied development policies or standards. General Plan policies also encourage employment-related strategies (i.e., flex-time, telecommuting, parking management, ridesharing) (M3.1.7, M3.1.8, M2.4.4) as ways to reduce vehicle trips, which would also reduce VMT.

Although no VMT standards have been developed within the City at the time the Downtown Plan Amendments EIR was prepared, a preliminary per capita VMT estimate included in the EIR showed that VMT resulting from downtown development would be below existing and projected county-wide estimates, which in large part is a reflection of the project's location downtown and in proximity to transit, bicycle and pedestrian facilities (SOURCE V.2b, DEIR volume).

While the General Plan EIR and Downtown Plan Amendments EIR did not analyze VMT as the requirement to do so was not in place, the proposed project does not exceed the City's VMT threshold, which was adopted after certification of the General Plan 2030 and Downtown Plan Amendments EIRs. Furthermore, the proposed services to support residents that are included in the project, such as commercial space, child-care, community gathering places, and the library, would serve to reduce VMT, consistent with General Plan policies and actions to reduce vehicle trips. General Plan Policy LU4.2 encourages land use changes that reduce the need for automobiles. The project locates new residents to a downtown area that supports businesses, employment opportunities, and public transportation; therefore, the project would promote types of transportation other than automobiles.

As indicted above in subsection (a), the project would be subject to payment of traffic impact fees that are applied uniformly throughout the City to all new development as part of the city-wide TIF program. TIF fees are used to address needed traffic improvements at key intersections for circulation and also for alternative transportation improvements; 15 percent of the collected TIF fees are allocated to alternative transportation improvements. In addition, the City's adopted SB 743 (VMT) Implementation Guidelines include potential Transportation Demand Management (TDM) measures to help achieve VMT reduction, which serve to reduce project VMT impacts and are considered uniformly applied development standards. The proposed project was designed pursuant to these guidelines and provides: a bus stop on Cedar Street in front of the proposed library, an onsite childcare facility, bicycle parking in excess of City requirements, secure bicycle parking, widened sidewalks, and reduced project parking, all of which are consistent with TDM measures included in the City's Guidelines, and would serve to further reduce project-generated VMT. Therefore, with this design planned pursuant to the City's VMT guidelines and payment of required traffic impact fees, the project would not result in impacts peculiar to the project or site with implementation of uniformly applied development policies and standards, and no further environmental analysis is required regarding these public services pursuant to Public Resources Code section 21083.3.

<u>(c, d) Design-Safety and Emergency Access</u>. The project has been designed in accordance with standard City requirements, and there are no access designs that would substantially increase hazards; project access and design was reviewed as part of the project transportation study (SOURCE V.17). In particular, the entrance for the parking garage will be set back and an open-air design with

support pillars will provide exiting vehicles with sight lines in both directions, including of the sidewalk for approaching directions. The project design will provide adequate sight distance for exiting vehicles of both oncoming vehicles and pedestrians. Fire truck access would be provided from the Cathcart Street and along the southern boundary of the property. The proposed alley connecting Cathcart Street to Lincoln Street is proposed to have a width of 20 feet with no overhead clearance restrictions. Furthermore, the project would be designed in accordance with City police and fire department requirements and would provide for adequate emergency access. Therefore, the project would not result in increased hazards related to project design, would not provide inadequate emergency access, and would not result in new significant impacts or impacts peculiar to the project or site; no further environmental analysis is required regarding these public services pursuant to Public Resources Code section 21083.3.

| **18. TRIBAL CULTURAL RESOURCES**<br><br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: | | | | | |
| a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or | DEIR pp. 4.4-12 to 4.4-13 | Not Evaluated | Not Applicable | Not Applicable | GP EIR Mitigation 4.9-1 and Municipal Code section 24.12.430 |
| c) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe? | DEIR pp. 4.4-12 to 4.4-13 | Not Evaluated | Not Applicable | Not Applicable | GP EIR Mitigation 4.9-1 and Municipal Code section 24.12.430 |

State Assembly Bill (AB) 52, effective July 1, 2015 after the City's adoption of the *General Plan 2030*, recognizes that California Native American prehistoric, historic, archaeological, cultural, and sacred places are essential elements in tribal cultural traditions, heritages, and identities. The law establishes a new category of resources in the California Environmental Quality Act called "tribal cultural

resources" that considers the tribal cultural values in addition to the scientific and archaeological values when determining impacts and mitigation. Public Resources Code section 21074 defines a "tribal cultural resource" as either:

(1) Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
    (a) Included or determined to be eligible for inclusion in the California Register of Historical Resources.
    (b) Included in a local register of historical resources as defined in subdivision (k) of section 5020.1.

(2) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of section 5024.1.

<u>(a-b) Tribal Cultural Resources and Consultation</u>. The California Public Resources Code section 21084.2 establishes that "[a] project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment." The requirements for review of impacts to tribal cultural resources were added after the certification of the General Plan EIR. In addition, the City provided notice of the proposed DLAHP to local Native American tribes in accordance with AB 52 and to determine whether tribal cultural resource(s) are present within the project area, and if so, whether or not those resources would be significantly impacted by the project. Two responses were received recommending Native American monitoring during construction, but no information was provided regarding tribal cultural resources at the project site.

While there are no known tribal cultural resources meeting the above definition on the project site per the project archaeological report (SOURCE V.12 and V.16a), the project site is located within an area identified as being sensitive for archaeological resources (SOURCE V.1c). As described above in Section IV.E.5, Cultural Resources, the archaeology review and field survey conducted of the project site concluded that the site appears to have a very low potential for archaeological materials and that no prehistoric materials are anticipated to be encountered on the site from project construction or operation (SOURCE V.16a). Section 24.12.430 of the City's Municipal Code sets forth the procedure to follow in the event that unknown archaeological materials are unearthed during construction, as described in Section IV.E.5 above, and implementation of these standards would be a standard condition of approval. Thus, the project would not result in significant impacts to tribal cultural resources or impacts peculiar to the project or the site with application of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

| 19. UTILITIES AND SERVICE SYSTEMS<br>Would the project: | Where Impact is Addressed in Downtown Plan Amendments EIR | Where Impact is Addressed in General Plan 2030 EIR | Does Project Involve New Significant Impacts or Substantially More Severe Impacts? | Any New Impacts Peculiar to Project or Site? | Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards |
|---|---|---|---|---|---|
| a) Require or result in the relocation or construction of new or expanded water, wastewater treatment facilities, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or which could cause significant environmental effects? | DEIR p. 4.5-11 to 4.5-12; 4.8-15 | DEIR pp. 4.6-21 to 4.6-25, 4.6-41 to 4.6-43, 4.5-29 to 4.5-38<br>FEIR pp. 3-2 to 3-19 | No | No | None |
| b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? | DEIR pp. 4.8-15 to 4.8-16 | DEIR pp. 4.5-3 to 4.5-42<br>FEIR pp. 3-2 to 3-19 | No | No | Municipal Code sections 16.02-04 regarding Water Conservation, Plumbing Fixtures, & Water Service Charges |
| c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | DEIR p. 4.8-16 | DEIR pp. 4.6-21 to 4.6-25, 4.6-41 to 4.6-43 | No | No | None |
| d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? | DEIR p. 4.6-15 | DEIR pp. 4.6-25 to 4.6-27, 4.6-43 to 4.6-44<br>FEIR p. 3-22 | No | No | None |
| e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste? | DEIR p. 4.6-15 | DEIR pp. 4.6-25 to 4.6-27 | No | No | None |

(a) Relocation or Construction of Utilities. Subsequent to certification of the General Plan 2030 EIR, the CEQA Guidelines Appendix G questions were modified to include a new question regarding need for new, relocated, or expanded infrastructure systems. The project would be served by existing utilities, and the General Plan EIR concluded that the City's wastewater treatment facility would be adequate to handle growth and development accommodated by the General Plan and would not require expansion or construction of facilities to serve future growth; see subsection (c) below.

Because the size of the proposed project would fall within the total amount of potential development analyzed in the General Plan EIR, the proposed project would not result in more severe impacts than evaluated in the General Plan EIR. The project does not require or result in the relocation or construction of new or expanded water, wastewater treatment, storm water drainage, electric power, natural gas, or telecommunications facilities. No further environmental analysis is required pursuant to Public Resources Code section 21083.3 and the State CEQA Guidelines section 15183.

(b) Water Supply. The project site is located within the service area of the City of Santa Cruz Water Department, which serves an approximate 20-square-mile area. The service area includes the entire City of Santa Cruz, adjoining unincorporated areas of Santa Cruz County, a small part of the City of Capitola, and coastal agricultural lands north of the City. Water is treated at the City's Graham Hill Water Treatment Plant (GHWTP), except for groundwater, which is treated as part of the Beltz well system.

The City's General Plan EIR provides a comprehensive analysis of impacts of water demand within the City's service area, including potential buildout accommodated by the General Plan. The General Plan EIR predicted that water supplies would be adequate in normal years to serve estimated growth within the City of Santa Cruz water service area, although the document acknowledges that the outcome of the pending Habitat Conservation Plan (HCP) for anadromous fisheries may affect supplies. The General Plan EIR concluded that impacts to the City's water supply would be significant and unavoidable during times of prolonged drought and potentially significant during normal years by the year 2030. Measures are identified in General Plan policies and actions to further conserve water, reduce demand and implement a desalination facility to provide a supplemental water supply during droughts. Subsequent to the adoption of the City's *General Plan 2030*, the City adopted the 2015 Urban Water Management Plan (UWMP), and in November 2021, the City adopted the 2020 UWMP. The 2015 UWMP reported that water demand in the City's water service area has ranged between nearly 3,800 million gallons per year (MGY) in 2006 to approximately 2,500 MGY in 2015 (SOURCE V.3i).

The Downtown Plan Amendments EIR concluded that intensified development in the downtown area as a result of the plan amendments represents less than one percent of the total estimated future water demand within the City's service area, and the demand was within the amount of new multi-family dwellings considered in demand forecasts for the 2015 UWMP that was in effect at the time the Downtown Plan Amendments EIR was prepared. The Downtown Plan Amendments EIR concluded that water supplies would be adequate during average and normal years to serve the estimated development in the downtown area. During periods of dry years and drought, water customers would be subject to water curtailment as enacted by the City. A multiple dry year scenario would require more substantial curtailment of all water customers. However, the EIR concluded that the water demand from additional development in the downtown area (less than one percent of the total water service area demand) would not have significant effects on the levels of water supply or curtailment that would be required throughout the service area. Therefore, Downtown Plan Amendments EIR concluded that the impact of increased water demand on water supplies due to the future development in the downtown area would be less than significant (SOURCE V.2b, DEIR volume).

The 2020 UWMP reported that annual water use has decreased since the early 2000s, but annual water use fell to a level of about 2.5 billion gallons, similar to the level experienced during the 1970s drought. However, in 2020, demand was still at a similar level as 2015, about 2.6 billion gallons, despite several years above long-term average rainfall from 2016 and 2020. Current projections forecast that water use over the next 25 years, including projected population growth, will increase at a very slow rate to reach approximately 2.8 billion gallons per year by 2045 (SOURCE V.3f).

With implementation of the City's proposed water rights modifications and water supply augmentation strategies as summarized below, the City projects having sufficient water available in normal years and single dry years to serve anticipated demand throughout the 2020-2045 UWMP planning period. However, the City's 2020 UWMP predicts that under multi-year drought conditions in the near term (2025) with proposed water rights modifications but before implementation of the planned aquifer storage and recovery (ASR) facilities and planned infrastructure projects, available supplies would meet projected demand in years one through four of the multi-year drought scenario, but would fall short of demand by 27 percent in year five, although such a shortage could occur sooner and persist longer through a multiple dry year period. Under multi-year drought conditions after 2030, with implementation of the ASR and planned infrastructure projects, available supplies would meet projected demand in years one through four of the multi-year drought scenario, and the year-five shortage is anticipated to be substantially reduced with projected shortages no larger than a negligible two percent or five percent with consideration of climate change parameters in dry years (SOURCE V.3f).

The General Plan EIR predicted that water supplies would be adequate in normal years to serve estimated growth within the City of Santa Cruz water service area, although the documents acknowledge that the outcome of the pending HCP may affect supplies. The General Plan 2030 EIR concluded that impacts to the City's water supply would be significant and unavoidable during times of drought and potentially during normal years by the year 2030 with growth and development within the City's water service area if recent water use trends change. Measures are identified in General Plan policies and actions to further conserve water, reduce demand and implement a supplemental water supply during droughts. These include: implementation of the City's Long-Term Water Conservation Plan to reduce average daily water demand and maximize the use of existing water resources (CC3.1.1); promotion of water conservation (C3.11.2); updating guidelines and standards for new landscaping that emphasizes xeriscaping and other water-conserving practices (CC3.11.1); Implementation of water conservation best management practices (CC3.5.1); and offering water audits and technical assistance to residents and businesses reduce their average daily water use (CC3.5.3).

However, the 2020 UWMP indicates that while the City is vulnerable to water shortages during later years of a multiple dry year period primarily due to the limitation in when and how much water is available to meet system demand, exacerbated by a lack of storage within the system, the City is actively planning and implementing a number of projects and major investments in the water system designed to secure future water supply reliability. Since 2015, the City of Santa Cruz has been pursuing a Water Supply Augmentation Strategy (WSAS) developed by the Water Supply Advisory Committee, a citizen committee, which was formed in 2014 by Santa Cruz City Council with the charge to analyze potential solutions to deliver a safe, adequate, reliable, affordable and environmentally

sustainable water supply for the City of Santa Cruz. The WSAS portfolio elements, which are being pursued on a concurrent timeline, include:

- *Element 0: Demand Management.* Demand Management, or conservation, is not considered a water supply for the purposes of the UWMP, but is addressed in the UWMP 2020.
- *Element 1: Transfers and Exchanges.* The City has been piloting water transfers to the Soquel Creek Water District since 2018, as water supplies are available, under a cooperative piloting agreement that extends through 2025. Potential water transfers and exchanges with local water districts in addition to the Soquel Creek Water District, include Central Water District, Scotts Valley Water District, and San Lorenzo Valley Water District, which would be facilitated by the City's proposed water rights modifications to place of use as briefly summarized below.
- *Element 2: Aquifer Storage and Recovery (ASR).* The City has been evaluating the feasibility of ASR in both the Santa Cruz Mid-County and in the Santa Margarita Groundwater Basins, with current work primarily focused on the portion of Santa Cruz Mid-County Basin within the City of Santa Cruz service area. Pilot testing has been conducted at the existing Beltz 8 and Beltz 12 well facilities to better understand potential water quality and operational constraints. Implementation of ASR also may occur in the future in the Santa Margarita Groundwater Basin.
- *Element 3: Recycled Water or Desalination.* Following completion of the 2017 Desalination Feasibility Update Review Report, further study of recycled water has been prioritized over study of seawater desalination. The City is continuing to examine the use of recycled water through commissioned engineering studies. The 2018 Recycled Water Facilities Planning Study recommendation includes two projects that would provide non-potable reuse in the City. The City is also committed to exploring other reuse opportunities, including: coordination with Soquel Creek Water District's Pure Water Soquel project, exploring groundwater replenishment and reuse at Beltz Well system, and exploring groundwater replenishment and reuse in Santa Margarita Groundwater Basin (SOURCE V.3f).

The City is also pursuing the Santa Cruz Water Rights Project to support the implementation of the WSAS. The project involves the modification of the City's existing water rights to increase the flexibility of the water system by improving the City's ability to utilize surface water within existing allocations. This project also incorporates into the City's water rights bypass flow requirements for all of the City's surface water sources which are protective of local anadromous fisheries. The primary components of the Santa Cruz Water Rights Project include:

- Water rights modifications related to place of use, method of diversion, points of diversion and re-diversion, underground storage and purpose of use, extension of time, and stream bypass requirements for fish habitats;
- Water supply augmentation components, including new aquifer storage and recovery (ASR) facilities at unidentified locations, ASR facilities at the existing Beltz Well facilities, water transfers and exchanges and intertie improvements; and
- Surface water diversion improvements, including the Felton Diversion fish passage improvements and the Tait Diversion and Coast Pump Station improvements (SOURCE V.3f).

In addition, as required by California Water Code and to manage risks due to water supply shortages that can be expected in the future, the 2020 UWMP includes a Water Shortage Contingency Plan that addresses how the City's water system would be managed during a water shortage emergency that arises as a result of drought, which could result in required customer water use reductions (SOURCE V.3f). Furthermore, the City continues to administer its water conservation program, has completed a Conservation Master Plan.

As indicated in section IV.B, the City's General Plan EIR considered development of approximately 3,350 new residential units throughout the City to the year 2030 (SOURCE V.1b, DEIR volume), and the proposed project would be within the total and remaining unbuilt residential development evaluated in the General Plan EIR. Because the number of new residential units falls within the projected number of units within the EIR, the water demand generated by the proposed project would fall within the total level of water demand estimated and analyzed in the General Plan EIR. As indicated above, annual water demand projections are less than what was analyzed in the General Plan EIR, and the City currently predicts potential negligible shortages during multi-year droughts with implementation of proposed water augmentation projects. However, the proposed project would be subject to uniformly applied development standards that include requirements for installation of water conservation fixtures and landscaping for new construction. In addition, the project would pay the required "System Development Charge" for the required new service connection. This charge as set forth in Chapter 16.14 of the City's Municipal Code is intended to mitigate the water supply impacts caused by new development in the City of Santa Cruz water service area, and the funds are used for construction of public water system improvements and conservation programs. Thus, the proposed project would not result in significant impacts related to availability of water supplies not otherwise addressed in the General Plan EIR or peculiar to the project or site with implementation of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and the State CEQA Guidelines section 15183.

(b) Wastewater Treatment Capacity. The project would be served by existing utilities, and the General Plan EIR concluded that the City's wastewater treatment facility would be adequate to handle growth and development accommodated by the General Plan and would not require expansion or construction of facilities to serve future growth. As indicated in section IV.B above, the City's General Plan EIR considered development of approximately 3,350 residential units within the City to the year 2030 (SOURCE V.1b), and the proposed project is within the total and remaining unbuilt residential units. The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for wastewater treatment. Since the size of the proposed project would fall within the total amount of potential development analyzed in the General Plan EIR, the proposed project would not result in new significant impacts or more severe impacts than evaluated in the General Plan EIR or impacts peculiar to the project or site. No further environmental analysis is required pursuant to Public Resources Code section 21083.3.

(d-e) Solid Waste Disposal. The project would be served by existing utilities, and the General Plan EIR concluded that the City's landfill would be adequate to handle growth and development accommodated by the General Plan and would not require expansion or construction of facilities to serve future growth. As indicated in section IV.B above, the City's General Plan EIR considered development of approximately 3,350 residential units within the City to the year 2030 (SOURCE V.1b);

and the proposed project is within the total and remaining unbuilt residential units. The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for solid waste disposal. Since the size of the proposed project would fall within the total amount of potential development analyzed in the General Plan EIR, the proposed project would not result in new significant impacts or more severe impacts than evaluated in the General Plan EIR or impacts peculiar to the project or site. No further environmental analysis is required regarding solid waste pursuant to Public Resources Code section 21083.3.

| **20. WILDFIRE**<br><br>**If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Substantially impair an adopted emergency response plan or emergency evacuation? | DEIR Appendix A pp. 35-36 | DEIR pp. 4.6-2 to 4.6-5, 4.6-33 to 4.6-37 | No | No | None |
| b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? | DEIR Appendix A pp. 36 | Not Evaluated | Not Applicable | Not Applicable | None |
| c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? | DEIR Appendix A pp. 36 | Not Evaluated | Not Applicable | Not Applicable | None |
| d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? | DEIR Appendix A pp. 36 | Not Evaluated | Not Applicable | Not Applicable | None |

(a) Emergency Plans. The project site is not located in or near a state responsibility area or lands classified as very high fire hazard severity zones (SOURCE V.7). See also Section IV.E.9(f) regarding emergency access.

(b-d) Exacerbation of Wildfire Impacts. Subsequent to the certification of the General Plan 2030 EIR, in 2019 OPR amended the CEQA Guidelines to add wildfire-related impacts and exposure to the Appendix G checklist questions. The project site is not located in or near a state responsibility area or

lands classified as very high fire hazard severity zones; see also 9(g). The project site is located in a local responsibility area. Local responsibility areas are located within incorporated city limits, and therefore, fire protection would be provided by the City's fire department. The proposed project therefore would not cause any impacts peculiar to the parcel or the project with respect to this category of impact.

The project site is flat and surrounded by development in an urban setting. The project would result in construction of habitable structures, but the project would not exacerbate wildfire risks or expose people or structures to significant risks including downslope or downstream flooding or landslides as a result of post-fire conditions. Therefore, no impacts of these kinds would occur. See also section IV.9(g) above.

| **21. MANDATORY FINDINGS OF SIGNIFICANCE**<br>**Would the project:** | **Where Impact is Addressed in Downtown Plan Amendments EIR** | **Where Impact is Addressed in General Plan 2030 EIR** | **Does Project Involve New Significant Impacts or Substantially More Severe Impacts?** | **Any New Impacts Peculiar to Project or Site?** | **Relevant General Plan Mitigation Measures or Other Uniformly Applicable Development Standards** |
|---|---|---|---|---|---|
| a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | DEIR pp. 4.3-17 to 4.3-22, 4.4-12 to 4.4-13 | DEIR pp. 4.8-13 to 4.8-21, 4.8-24, 4.8-26 to 4.8-30, 4.8-41, 4.8-38 to 4.8-44, 4.8-48 to 4.8-51, 4.9-10 to 4.9-12, 4.9-19 to 4.9-23<br>FEIR pp. 3-22, 3-25 to 3-40 | No | No | GP Action NRC2.2.1 & Project Assessment Protocols for Special Status Species; GP EIR Mitigation 4.9-1 and Municipal Code section 24.12.430 |
| b) Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of the past projects, the effects of other current projects, and the effects of probable future projects.) | DEIR pp. 5-4 to 5-14 | DEIR pp. 5-8 to 5-36<br>FEIR pp. 3-27 to 3-33 | No | No | Downtown Plan Amendments EIR Mitigation 5.1 |
| c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | DEIR Appendix A pp. 43, 38 to 39 | DEIR pp. 4.13-4 to 4.13-8, 4.13-10 to 4.13-20 | No | No | None |

(a) Quality of the Environment. The project would not degrade the quality of the environment or otherwise affect fish and wildlife habitat as discussed in Section IV.E.4 (Biological Resources) of this Environmental Checklist review. As explained in Section IV.E.4, biological resource impacts are not peculiar to the parcel or the project because they were either adequately addressed in the General Plan EIR or can be substantially mitigated by the application of uniformly applied development policies or standards. As discussed in Section IV.E.5 (Cultural Resources) and Section IV.E.18 (Tribal Cultural Resources), cultural resources are not peculiar to the parcel or the project because they were either adequately addressed in the General Plan EIR or can be substantially mitigated by the application of uniformly applied development policies or standards. The project would not result in elimination of important examples of a major period of California history or prehistory.

(b) Cumulative Impacts. The General Plan EIR identified potential significant cumulative impacts related noise, population, transportation/traffic, and water supply. Vehicle trips resulting from the proposed project would contribute to cumulative noise impacts. The Downtown Plan Amendments EIR identified significant cumulative impacts related to transportation/traffic, water supply, schools, and cumulative traffic.

*Noise.* The proposed project would not contribute to cumulative noise impacts since the project is not located in proximity to the road segments subject to the cumulative noise impact (Westside industrial area) as identified in the General Plan 2030 EIR.

*Population*. The General Plan 2030 EIR identified cumulative population growth as a potentially significant impact due to growth at the University of California Santa Cruz (UCSC) in conjunction with growth accommodated by the General Plan. The EIR concluded that cumulative growth (City and UCSC) could result in an average annual growth rate that would exceed historical growth rates and AMBAG population forecast growth rates if the North Campus area is annexed to the City in the next 20 years. UCSC updated its Long-Range Development Plan (LRDP) in 2021 and no longer proposes expansion into the North Campus area, although enrollments were projected to increase. The General Plan EIR considered UCSC enrollment to 19,500 students with provision of additional on-campus housing. According to UCSC's website, enrollment for the 2021-2022 academic year totaled approximately 19,000 students (SOURCE V.11a).

Regional population forecasts are updated every four years by AMBAG and have been updated since certification of the General Plan 2030 EIR and the Downtown Plan Amendments EIR. Current forecasts project a Citywide population of 72,218 in the year 2030 (AMBAG 2022). The City had a population of 64,075 people as of January 1, 2022 (California Department of Finance 2022). Based on the City's existing average household size of 2.33, cumulative residential projects[6] could result in a population increase of approximately 7,684 persons as a result of development of 2,405 new housing units and student housing at UCSC based on average citywide household sizes (2.33) and the slightly lower household size in the downtown area (1.9based on Census information. City population as a result of cumulative residential projects could increase to approximately 71,759, which would not exceed the

[6] Cumulative projects include the proposed project, projects under construction, approved projects, and reasonably foreseeable pending projects, including residential projects at UCSC.

regional population forecast for the City of 72,218 in the year 2030 (SOURCE V.4a). Therefore, no new significant cumulative population growth impacts related to cumulative development is expected.

The General Plan 2030 EIR also indicates that regional population forecasts, which are updated every four years, would account for changing trends in cumulative development and growth. Furthermore, it is also noted that the proposed project would not be inducing new population growth, but would serve existing households in the city or county that are on waiting lists for affordable housing. As indicated in Section IV.E.14, Population and Housing, the Housing Authority of Santa Cruz County has indicated to City staff that there are a total of 10,851 applicants on the waiting list for affordable housing. Given this existing waiting list for affordable housing in the county, it is likely that some or all of the future occupants of the proposed project and other affordable housing projects in the City would already be city residents and thus would not result in additional population growth in the City.

*Transportation/Traffic.* The proposed project would contribute to cumulative traffic impacts analyzed in the General Plan 2030 EIR. However, the General Plan EIR did not identify significant cumulative impacts in the project vicinity. The Downtown Plan Amendments EIR Mitigation Measure 5-1 requires cumulative downtown development projects to pay fair-share contributions for improvements at the following intersections: Front/Soquel, Front/Laurel and Front/Pacific. With implementation of this mitigation, the Downtown Plan EIR concluded that significant cumulative traffic impacts at these three intersections would be mitigated, and a project's contribution would not be cumulatively considerable. The proposed project would be required to pay traffic impact fees and contribute to downtown improvements as specified in Mitigation Measure 5-1 in the Downtown Plan Amendments EIR.

The project transportation impact study identified one intersection deficiency at the Front Street/Soquel Avenue intersection, but noted that the improvements proposed in the Downtown Intersections Improvement Plan, the LOS and delay could be reduced from F to E and 206.0 to 73.7, respectively (SOURCE V.17). The improvements include modifying the eastbound and southbound approaches While no feasible improvements were identified that would reduce the LOS and delay to LOS D, under the City's existing General Plan, the City accepts a lower LOS at some major regional intersections such as this one per Circulation Policy 5.1.2.

The previous General Plan and Downtown Plan EIRs' evaluations of cumulative traffic impacts were based on the traffic congestion metric of LOS, which is no longer applicable due to changes in CEQA described above in Section IV.E.19, which now require traffic impacts to be evaluated based on VMT. In establishing guidelines, the State Office of Planning and Research issued guidelines that indicate if a project falls below an efficiency-based threshold that is aligned with long-term environmental goals and relevant plans, there would be no cumulative impact distinct from the project impact. Accordingly, a finding of a less-than-significant project impact would imply a less than significant cumulative impact (SOURCE V.8). As indicated in IV.E.19(b), the proposed project would not result in a significant impact related to VMT, and accordingly, cumulative traffic impacts also would be less-than significant. Future development projects would be individually evaluated for potential VMT impacts, and none have been identified. There are no new significant cumulative transportation impacts to which the proposed project would contribute that have not been addressed in the General Plan EIR.

*Water Supply*. The proposed project would contribute to significant cumulative impacts related to water supply identified in the General Plan 2030 EIR and Downtown Plan Amendments EIR. As indicated in these EIRs, development projects would be subject to City requirements for installation of water-conserving fixtures and landscaping in accordance with current Municipal Code and building requirements. Under multi-year drought conditions, the project, like other City customers, would be subject to water use restrictions. The increase in water demand due to the proposed project would not substantially exacerbate water supply reliability in the future or during a drought because the amount of additional demand when spread across all service area customers would not result in any noticeable increase in the timing or extent of curtailment in customer use that would otherwise be implemented during drought conditions.

In addition, the project would pay the required "System Development Charge" that is required for a new or upgraded service connection or where a project adds new residential uses. This charge, as set forth in Chapter 16.14 of the Municipal Code, funds public water system improvements, and is assessed so projects pay the proportional share of the costs of new and existing water facilities necessary to meet the demand resulting from new or enlarged water services. This charge is intended to mitigate the water supply impacts caused by new development in the City's water service area, and the funds are used for construction of public water system improvements and conservation programs. Payment of the System Development Charge and implementation of other water conservation measures would mitigate the project's contribution to cumulative water supply impacts.

As indicated in Section IV.B above, the City's General Plan EIR considered development of approximately 3,350 residential units within the City to the year 2030 (SOURCE V.1b), and cumulative development, including the proposed project, projects under construction and approved projects, is within the total and remaining estimated unbuilt residential units and non-residential square footage. Furthermore, as explained in Section IV.E.19(b), projected water demands have decreased since certification of the General Plan 2030 EIR, and the City has an updated UWMP (2020). Cumulative development is within the population projections used in the 2020 UWMP to estimate future water demand. Therefore, the proposed project's contribution to cumulative water demand would not result in new or more severe significant impacts relating to water supply than analyzed in the General Plan EIR or Downtown Plan Amendments EIR, nor would the project result in any new significant impacts that are peculiar to the site or project that were not considered in these EIRs. The project would be subject to City requirements for installation of water-conserving fixtures and landscaping in accordance with current City Municipal Code and building requirements.

Under multi-year drought conditions, the proposed project, like other City customers, would be subject to water use restrictions. The increase in water demand due to the proposed project would not substantially exacerbate water supply reliability in the future or during a drought because the amount of additional demand when spread across all service area customers would not result in any noticeable increase in the timing or extent of curtailment in customer use that would otherwise be implemented during drought conditions. In addition, the project would pay the required "System Development Charge" for the required new service connection. This charge, as set forth in Chapter 16.14 of the City's Municipal Code, is intended to mitigate the water supply impacts caused by new development in the City of Santa Cruz water service area, and the funds are used for construction of

public water system improvements and conservation programs. Payment of the System Development Charge and implementation of other water conservation measures would mitigate the project's contribution to cumulative water supply impacts. Therefore, the project's incremental contribution to a significant cumulative water supply impact would not be cumulatively considerable. Because the potential project contribution to cumulative impacts falls within the total level of those analyzed in the General Plan EIR, no further environmental analysis is required pursuant to Public Resource Code section 21083.3 and CEQA Guidelines section 15183.

*Schools*. The General Plan and Downtown Plan Amendments EIRs concluded that cumulative development could potentially affect school enrollments. The General Plan EIR concluded that this is a potentially significant cumulative impact, but would be mitigated to a less-than-significant level with required payment of school impact fees to fund necessary facility expansion and/or additions (City of Santa Cruz, April 2012, DEIR volume). Both EIRs also found that potential addition or expansion of school classroom facilities is not expected to result in significant physical impacts due to the location of existing facilities within developed footprints, and future enrollment could be accommodated without construction of new schools, although some expansion of existing facilities may be necessary (City of Santa Cruz, April 2012, DEIR volume). Therefore, a project's incremental contribution to this impact as a result of generation of students, including the proposed project, is not cumulatively considerable as the required payment of school impact fees would mitigate the project's cumulative contribution such that it would no longer be considered cumulatively considerable.

*Conclusion.* Therefore, the proposed project would not result in new significant impacts or substantially more severe impacts than analyzed in the General Plan 2030 and Downtown Plan Amendments EIRs. Nor would the project result in cumulative water supply or traffic impacts peculiar to the project or site with implementation of uniformly applied development standards. No further review is necessary pursuant to CEQA section 21083.3 and State CEQA Guidelines section 15183.

(c) Substantial Adverse Effects on Human Beings. Neither the General Plan EIR nor the Downtown Plan Amendments EIR identified impacts relating to air or water pollution or noise levels that would result in adverse effects on human beings; see Sections IV.E.3, 10 and 13. Project construction would require demolition of existing buildings that may contain hazardous materials (asbestos and lead-based paint). However, as discussed in Section IV.E.9, an uniformly applied development standard to require testing and removal of these materials if found in compliance with applicable regulations is included as a project condition of approval. Thus, no environmental effects have been identified that would have direct or indirect adverse effects on human beings, and the project would not result in new significant impacts peculiar to the project or site that would result in substantial adverse effects on humans.

# V. REFERENCES AND DATA SOURCE LIST

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**Report Preparation:** City of Santa Cruz Planning and Community Development Department, Economic Development Department in association with Dudek.

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|---|---|
| **To:** | Samantha Haschert, Principal Planner and Timothy Maier, Senior Planner<br>City of Santa Cruz Planning and Community Development Department |
| **From:** | Stephanie Strelow |
| **Subject:** | Downtown Library and Affordable Housing Project<br>California Environmental Quality Act Categorical Exemption Review |
| **Date:** | February 14, 2023 |
| **cc:** | Brian Borguno, Development Manager, City of Santa Cruz Economic Development Department |

This memorandum provides a review of the applicability of California Environmental Quality Act (CEQA) Guidelines section 15332, Class 32 categorical exemption (In-Fill Development Projects), to the proposed Downtown Library and Affordable Housing Project (DLAHP or project).

# I. Background

1. **Application No:** CP22-00128
2. **Project Title:** Downtown Library and Affordable Housing Project
3. **Project Location:** 113 and 119 Lincoln Street (APN 005-141-11, -21); see Figure 1.[1]
4. **General Plan Designation:** Regional Visitor Commercial (RVC)
5. **Zoning:** Central Business District (CBD), Cedar Street Village Corridor subdistrict

## A. Project Location

The project site is located at 113 and 119 Lincoln Street in the City of Santa Cruz (City) on an 1.55-acre (67,921-square-foot) site. The project site is located on the eastern side of Cedar Street, immediately south of Lincoln Street and north of Cathcart Street. The site is bounded by Lincoln Street on the north, commercial development along Pacific Avenue on the east, Cathcart Street on the south, and Cedar Street on the west. The project site spans the full block between Lincoln and Cathcart Streets; see Figure 1.

## B. Existing and Surrounding Land Uses

The flat project site is paved and developed with a surface public parking lot that contains 134 parking spaces and one 5,400-square-foot commercial building that is currently in use as a fitness gym. The parking lot is known as

[1] All figures are included at the end of this document.

"Public Parking Lot 4." The site contains 12 non-native trees, nine of which are considered "heritage trees" under City regulations. The nine heritage trees include four magnolia, two liquid amber, two Chinese pistache, and one ginkgo. The existing parking lot is the location of a weekly Farmers Market that is held year-round.

The project site is located in the Cedar Street Village Corridor of the *Downtown Plan*. The site is surrounded by primarily developed commercial uses and mixed-use developments within the City's downtown area. An existing church is located to the west of the project site and Cedar Street. Residential uses are located in mixed-used buildings to the east of the project site along Cathcart Street/Pacific Avenue, and several projects are currently under construction in the project vicinity, including a project to the west of the project site and Cedar Street, a project along Pacific Avenue south of Cathcart Street, and a project on Front Street to the east of the project site.

# II. Project Description

## A. Project Components

The project consists of a Nonresidential Demolition Authorization Permit, Special Use Permit, Design Permit, Lot-Line Adjustment, Sign Permit, and Heritage Tree Removal Permit to demolish one existing commercial building and surface parking lot and construct the DLAHP, consisting of a new public library, affordable housing units, a parking garage, ground-floor commercial tenant space, and a commercial childcare facility, with associated site improvements. The proposed project uses would be integrated within a new 273,194-square-foot building, which would range in height from three to eight stories at 50 to 84 feet tall, respectively. The proposed lot-line adjustment would merge the two existing site parcels into one lot. The project also includes a density bonus request as permitted pursuant to state and local regulations with requested waivers and concessions to some development standards as explained in Section II.C. The proposed site plan is shown on Figure 2, and the proposed uses are further described below. Figures 3A and 3B show the proposed project building elevations.

- **Public Library.** The proposed facility is an approximately 38,000-square-foot public library that would replace the existing downtown library located on Church Street across the street from City Hall. The library would be three stories, featuring two floors with elevated ceilings. The main library entrance is proposed at the mid-block point on Cedar Street, and includes a roof deck at the southwest corner of Cedar and Cathcart Streets.
- **Affordable Housing.** The proposed 100-percent-affordable-housing component includes 124 units located on five stories above the proposed parking garage. The proposed units include 13 studio units of about 450 square feet each, 48 one-bedroom units of approximately 500 square feet each, 31 two-bedroom units of approximately 730 to 840 square feet each, 31 three-bedroom units of approximately 900 to 950 square feet each, and 1 two-bedroom manager's unit. The units are proposed as affordable to extremely low, very-low, and low income households.
- **Parking. Garage.** The eastern side of the project site would contain a 243-stall, three-story, above-grade public parking garage with minimal frontage on the street façades on Cathcart and Lincoln Streets. The parking garage would be a Public City Parking Facility with 24-hour access. The City and its affordable housing development partner have also considered one level of subterranean parking that would increase the on-site parking by approximately 90 spaces to 336 spaces, and the proposed site plan may be revised to include this option at a later date if directed by the City Council. It is noted that all project technical studies have considered inclusion of one subterranean level of parking, as does this review. The public

parking component of the proposed project is intended to replace the existing public parking on the project site and to offset deficits in available downtown parking capacity resulting from approved and anticipated future development projects.

- **Childcare Facility.** A one-story, approximately 1,500-square-foot daycare facility is proposed immediately adjacent to the proposed library. The daycare facility would have a capacity for a minimum of 16 children. An outdoor play area would be located adjacent to the facility and would be used by children at the facility as well as on-site residents.
- **Commercial Space.** Approximately 11,950 square feet of commercial use is programmed for three stories at the southwest corner below the library roof deck. With demolition of the existing on-site commercial building, the project would result in a net increase of approximately 6,550 square feet of commercial space.

**Access and Parking.** Primary vehicular access to the proposed project would be provided along the southeastern portion of the site, from Cathcart Street, via a new one-way alley and parking garage entrance. The new alley would allow one-way access only in the northerly direction on the eastern edge of the project site, from Cathcart Street to Lincoln Street. The parking garage access is off of Cathcart Street, immediately west of the alley, and would allow both ingress and egress. Both access points would be improved with a new driveway approach.

As indicated above, a total of 243 parking spaces are proposed within the public parking garage. The project would also include 258 bicycle parking spaces located throughout the project site, of 140 are proposed Class I spaces that consist of individually enclosed, locked spaces. Class II bike spaces (i.e., bike racks) would be located along the sidewalk building entries and within the public parking garage along the pedestrian entry corridor. In addition, there would be separate, secured bike parking locations inside the parking garage for residential tenants and staff as well as library, daycare, and commercial employees.

The project includes frontage improvements along Cathcart Street, Cedar Street, and Lincoln Street per City standards, including curbs, gutters, and sidewalks. The proposed sidewalks would be built 10 to 12 feet wide. The project also includes four loading/unloading parking spaces along Cedar Street and five on-street parking spaces along Lincoln Street. A bus stop would be provided on Cedar Street just north of the Cathcart Street.

**Utilities and Other Improvements.** The project would connect to existing City water, sanitary sewer, and storm drain infrastructure. Stormwater would be treated on site through a biofiltration area and planters prior to conveyance into existing storm drains on Lincoln, Cedar, and Cathcart Streets. The proposed project would provide 14 new canopy trees, other landscaping, open space, and recreational amenities for residents.

## B. Heritage Tree Removal Permit

On October 12, 2022, an application for a Heritage Tree Removal Permit was submitted to the Director of Parks and Recreation in conjunction with the proposed project, in accordance with the City's Santa Cruz Municipal Code Chapter 9.56, Preservation of Heritage Trees and Heritage Shrubs. The application requested removal of nine non-native, heritage trees as defined in Municipal Code Chapter 9.56 (any tree whose trunk measures 44 inches or larger in diameter at a height of 54 inches or greater above underlying ground). A Heritage Tree Removal Permit is required for removal of any trees of heritage size per Municipal Code section 9.56.060(a). The application included submittal of an arborist report and payment of a tree replanting mitigation bond, which would accommodate

installation of a minimum of nine, 24-inch-box-sized replacement canopy trees as street trees along the perimeter of the project site.

The Heritage Tree Removal Permit was approved by the City's Urban Forester on October 18, 2022, making the required findings in accordance with Municipal Code section 9.56.060(e). On October 27, 2022, an appeal of the Heritage Tree Removal Permit was submitted; an appeal requires consideration by the City Parks and Recreation Commission. The Parks and Recreation Commission considered and denied the appeal on December 10, 2022. Subsequently, the City Council on January 10, 2023, per applicable provisions of the Municipal Code, "called up" the heritage tree permits so as to assure that all heritage tree issues would be considered by the City Council at the same time the Council considers the other applications for the permits required by the DLAHP.

A Heritage Tree Removal Permit constitutes a discretionary permit reviewed through a process in parallel with the application for other entitlements for any project. The Municipal Code, including Chapter 9.56, contains no requirement for approval of use permits prior to, or concurrent with, granting of entitlement for a Heritage Tree Removal Permit. However, as the Heritage Tree Removal Permit application has been submitted in conjunction with the proposed DLAHP, the application for Heritage Tree Removal Permit may also be considered as part of the overall DLAHP.

## C. Density Bonus Request

The project includes a density bonus request pursuant to California Government Code sections 65915 – 65918, which was enacted in 1979 to encourage the provision of affordable housing units in the state by offering a combination of benefits to developers. For projects that include the requisite number of affordable housing units, and upon the request of an applicant, cities are required to (i) allow more market rate units to be built than otherwise allowed by the applicable zoning designation); (ii) provide "incentives or concessions," such as reduced development standards that result in actual and identifiable cost savings for the project; (iii) provide "waivers or modifications" of development standards that would physically preclude the project from being constructed; and (iv) allow reduced parking requirements. Cities are generally obligated to grant a density bonus and incentives, concessions, waivers, or reductions in development standards to the applicant so long as the proposed development complies with the applicable affordability requirements and the waivers or incentives/concessions meet certain standards. Projects that include a specified amount of affordable housing are entitled to a density bonus, even if the density bonus would allow a project to exceed the maximum density under the City's General Plan and Zoning Code.

The amount of the density bonus is based on the number of affordable units at each income level that are included in a project. To determine whether a project qualifies for a density bonus, the percentage of affordable units is based on the maximum number of units that would be permitted under the City's zoning code (i.e., the "base density"). Market-rate projects providing certain percentages of affordable units or units at deeper levels of affordability are entitled to an increase in density up to 50 percent of the total number of units that are allowed under the City's Zoning Ordinance, depending on specified percentages and levels of affordability. The density bonus units themselves are not required to be affordable, and pursuant to section 24.16.250(2) of the Santa Cruz Municipal Code (as well as the State Density Bonus and California case law), "density bonus units shall not be included in the "total units" when determining the number of affordable units required to qualify a housing development for a density bonus." Thus, by law, the percentages of affordable units that qualify a project for the density bonus are based on the base project only and not the base project plus the density bonus units.

City staff concluded that the base density that could be developed on the project site under current *General Plan 2030* and zoning requirements is 46 units per acre. Neither the General Plan Regional Visitor Commercial (RVC) land use designation nor the Central Business District (CBD) zone district provide density requirements for uses located in these designations. The CBD zone district regulations indicate that the *Downtown Plan* development standards apply to projects in this zone district, but the *Downtown Plan* also does not provide permitted densities, though it supports higher-density development in the downtown area. The base density for the project was determined based on a development of a project concept conforming to all requirements of the CBD district and the *Downtown Plan* development regulations, including maximum allowed building heights and floor area ratio (FAR), which would affect the building size and the number of units that could be constructed on the site (TenOver 2023). Based on this review, it was determined that the base density for the project site is 46 units per acre, which would allow for 72 residential units on the 1.55-acre project site.

Because all of the units would be affordable to lower income households, with a base density of 72 units, an 80-percent density bonus over the base density, or up to 130 units, are permitted. (Gov. Code, § 65915(f)(3)(D)(i).) With a base density of 72 units, 14 units (20 percent) of the residential units would be required to be provided as affordable housing units at the low or very-low income level to meet the City's inclusionary housing requirements. However, the project proposes 124 affordable units, of which 19 units (or 26 percent of the base density) would be for extremely low-income households, 59 units (or 82 percent of the base density) would be for very-low-income households, 45 (or 62 percent of the base density) would be for low-income households, and 1 unit would be the manager's unit. Additionally, according to Government Code section 65915(f)(3)(D)(ii), there are no maximum controls on density for projects where all units are affordable to lower income households and that are located within one-half mile of a major transit stop.

The law also provides a variety of tools that applicants can utilize to make projects physically or more economically feasible, including incentives/concessions and waivers that allow for modification of development standards if those standards would result in "actual and identifiable cost reductions" to the project or that "physically preclude" construction of the density bonus project. A project applicant is allowed to request as many waivers from development standards as needed if the development standard would preclude the density bonus project from being built at the allowed density. Per the City's regulations, the proposed affordable housing component is eligible for four incentives or concessions, and the childcare component is eligible for an additional incentive/concession, but has not been requested.

One waiver and one incentive/concession have been requested, related to building height and the above-ground parking garage required with the requested density bonus. A waiver and incentive/concession are being requested for building height to exceed the 50- and 75-foot maximum per the *Downtown Plan* resulting from placement of the proposed housing component atop the 3-story above-ground parking garage. The project is requesting an exception from the *Downtown Plan*'s maximum height of 50 feet as specified in the Cedar Street Village Corridor subarea of the *Downtown Plan*. The exceedance of the 50-foot height limit is requested as both a waiver and an incentive/concession as explained below.

The *Downtown Plan* establishes a maximum building height of 50 feet above the allowed 35-foot limit in the Cedar Street Village Corridor on the east side of Cedar Street, and allows for an increase of up to 75 feet in the eastern portion of the site that is designated as "Additional Height Zone A," subject to approval of a Design Permit by the City Council. As proposed, the residential component of the project has been sited partially within Additional Height Zone A.

The base density plans show three levels of underground parking and three levels of residences (with 72 units) above the parking garage, which would result in a fully-conforming building with a height of 48 feet. An incentive/concession is being requested for exceedance of the 50-foot height limit that would result from placement of the parking facility at surface level, which is proposed due to the high costs of construction of underground parking. Placement of the parking structure at surface level would cause the height of the building to exceed 50 feet.

A waiver is being requested to further allow building height to increase in height above 50 feet. The waiver is requested as an additional increase in height beyond 50 feet due to inclusion of the density bonus units; the height would further increase above that resulting from the additional height induced by placement of the parking garage at grade (requested as an incentive/concession). The residential component is partially placed within the *Downtown Plan*'s Additional Height Zone A, which allows for a request for height of up to 75 feet with approval by the City Council; however, about half of the residential component would encroach into the area outside of Additional Height Zone A, in which the maximum allowable height per the *Downtown Plan* is 50 feet. The waiver is being requested to allow building height to exceed the 50- and 75-foot maximum per the *Downtown Plan* as a result of placement of the proposed housing component above the 3-story above-ground parking garage. The residential component of the site, which covers approximately the eastern half of the project site, would reach 84 feet in height and 91 feet at the building edges including parapets. Compliance with the maximum height of 50 feet as specified in the *Downtown Plan* would require a reduction in the number of stories of the building, and consequently, would: 1) diminish parking capacity necessary to support existing and future downtown development, and 2) eliminate a significant number of housing units, which would physically preclude construction of the number of residential units allowed under state density bonus law. Due to the elevated costs associated with subterranean construction, an incentive/concession has been requested for placement of the parking structure above grade. Reasonable financial documentation has been prepared to justify the request. As proposed, the parking structure's height of approximately 33 feet is less than the 35-foot height as identified in the *Downtown Plan*, demonstrates consistency with the *Downtown Plan*.

Pursuant to density bonus state law and the City's zoning ordinance, an applicant is required to provide justification for any requested waivers. The City must grant these waivers unless they violate state or federal law, create a specific adverse impact on health and safety or the physical environment that cannot be mitigated, or adversely impact real property listed on the California Register of Historical Resources. The City has no evidence that the requested waiver and incentive/concession should not be granted as required by state law.

## D. Existing Library Reuse and Relocation of the Farmers Market

### Reuse of the Existing Library

The proposed project would replace the existing library on Church Street, located across from City Hall and in close proximity to the Civic Auditorium. The approximately 59,000-square-foot site is bounded by Locust Street on north, Cedar Street on the east, Church Street on the north, and Center Street on the west. The site includes the existing downtown library and two associated public parking lots—Lot 14 and Lot 16, which have a total of 59 parking spaces.

On June 23, 2020, the City Council voted to advance the proposed project and initiated a reuse visioning process for the existing library that included an extensive public and stakeholder engagement process. Several potential

public uses and components were considered and discussed for the existing library site, including parks, plazas, the farmers market, parking, and mixed-use and affordable housing. With input from approximately 550 participants, a "Mixed-Use Housing with Civic Plaza" option received the highest score, followed by a "Plaza + Park" with housing as the second choice. A "Library Structure Re-purposed with Parking" option, which proposed to adaptively re-use the library structure for community or commercial uses, received the lowest score, and ranked lowest amongst the options (City of Santa Cruz 2021).

At this time, there is no City Council-approved direction for re-use for the existing library site if the proposed project is approved and constructed. While mixed-use housing with a public plaza received the highest ranking in the public visioning process, no option was selected as a preferred option, and other uses, such as community, institutional, or commercial uses, could be also be proposed as a part of a future project. Therefore, future uses at the existing library are speculative and cannot be reviewed at this time. When specific plans are developed and proposed for the existing library, separate environmental review and permit approvals would be required.

## Relocation of the Farmers Market

The City has been in ongoing discussions with Santa Cruz Community Farmers Markets (SCCFM) since late summer of 2017, working to establish a new permanent location for the Downtown Farmers Market with an improved site, enhanced community space, and opportunity for year-round operations and expansion with special events. One site has been identified that is located one block away from the existing site at City Parking Lot 7 at the corner of Cathcart and Front Streets (City of Santa Cruz 2023).

On October 14, 2022, the City and SCCFM jointly agreed to enter into a Memorandum of Understanding to further define the next steps involved in establishing ongoing temporary and permanent operations of the SCCFM Downtown Farmers Market in downtown Santa Cruz. In a joint statement, both parties acknowledged:

- Temporary SCCFM market locations include, but are not limited to, the following: Lot 7, Lot 4, City Hall complex, including the courtyard and surrounding public rights of way;
- SCCFM and the City have worked together over the last few years to develop conceptual site plans for operation of the market on Lot 7;
- SCCFM has approved Lot 7 and the conceptual site plans as one option for both a temporary and future permanent location for the market;
- SCCFM and the City will continue to identify more locations and funding for a permanent market in downtown over the year ahead which in addition to Lot 7, including but not be limited to, Lot 4 and the existing library site as identified in the study completed by the Project for Public Space and Group 4 Architecture approved by City Council in June 2021; and
- SCCFM will continue to operate the market at the existing downtown location for the foreseeable future until SCCFM determines that surrounding construction impacts necessitate a relocation to a suitable alternative downtown site identified by SCCFM and the City.

Appropriate environmental review and permitting would be conducted at the time a preferred permanent location for the weekly Downtown Farmers Market is selected.

# III. Reasons Why the Project is Exempt

CEQA provides "categorical exemptions" that are applicable to categories of projects and activities that the California Natural Resources Agency has determined generally do not pose a risk of significant impacts on the environment. The Class 32 categorical exemption is for "in-fill development" projects that meet the following criteria:

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations;

(b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses;

(c) The project site has no value as habitat for endangered, rare or threatened species;

(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality; and

(e) The site can be adequately served by all required utilities and public services.

The proposed project meets all of the foregoing criteria to claim the application of the in-fill exemption, as explained below.

## A. Consistency with General Plan and Zoning Designations, Policies, and Regulations

The project is consistent with the City's *General Plan 2030* land use designations, the CBD zone district permitted land uses, and all applicable *General Plan 2030* policies and zoning regulations as explained below.

### General Plan Designations and Policies

As previously indicated, the project site is designated RVC in the *General Plan 2030*. The RVC designation is applied to areas that "emphasize a variety of commercial uses that serve Santa Cruz residents as well as visitors. Mixed-use development is strongly encouraged in RVC districts." In the downtown area, the RVC designation specifically "emphasizes a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as entertainment venues." The designation also indicates that the *Downtown Recovery Plan*[2] provides detailed requirements for this area." Furthermore, the *General Plan 2030* allows a FAR range of 0.25 to 5.0 for parcels that are designated RVC and located in the downtown area.

[2] The Downtown Recovery Plan (DRP) is now called the *Downtown Plan* and is referred to as such in this document. The DRP was adopted in 1991 to guide reconstruction after the 1989 Loma Prieta earthquake and provides development standards and guidelines to direct the rebuilding and recovery process. The DRP was adopted as a specific plan (pursuant to California Government Code requirements) to implement policies in the downtown area. Chapter 4 of the *Downtown Plan*, Development Standards and Design Guidelines, is incorporated by reference in Part 24 of the Zoning Code, the CBD zone district, and the CBD district is part of the LCP implementation regulations. The DRP has been modified several times over the past 25 years with significant amendments adopted in 2017. The amendments approved in 2017 included changing the name of the Plan to "*Downtown Plan*" since post-earthquake recovery had been achieved and also included revisions to development standards, including provisions for additional height allowances under specified circumstances in the downtown area.

The proposed project includes a mix of uses, including community services (i.e., the relocated library and childcare facility), commercial uses, and residential uses, as well as continued public parking. Thus, the project is consistent with mixed-use developments emphasized in the *General Plan 2030* for the downtown area. The project's FAR is 4.08, which is within the allowed FAR established in the *General Plan 2030* for the downtown area. Thus, the proposed mixed-use project land uses and FAR are consistent with the *General Plan 2030* RVC land use designation.

The proposed project also is consistent with the policies of the *General Plan 2030*, including the Housing Element, based on City review explained in the February 23, 2023 Planning Commission staff report, dated February 15, 2023. The consistency review is included in Attachment A.

## Zone District Uses and Development Regulations

As previously indicated, the project site is zoned CBD. Pursuant to Municipal Code section 24.10.2300, the purpose of the CBD zone district is to implement the Land Use Plan, Development Standards, and Design Guidelines of the *Downtown Plan*, a specific plan. It is intended to refine the *Downtown Plan* in the area of land use and regulations. It supports the purpose of the *Downtown Plan*, in the context of the *General Plan 2030*, which aims to maintain downtown as the urban center of the city with the many functions a city center serves. Pursuant to section 24.10.2301, Chapter 4 of the *Downtown Plan*, as amended, is adopted by reference in the CBD zone. The policies and regulations set forth in Chapter 4 of the *Downtown Plan* shall control all uses in the CBD and its four subdistricts: Pacific Avenue Retail District; Front Street Riverfront Corridor; Cedar Street Village Corridor; and North Pacific Area.

The project site is located within the Cedar Street Village Corridor in the *Downtown Plan*. The land use plan and the standards and guidelines for this area strive to preserve and enhance the informal "village" qualities of the Cedar Street Corridor. Unlike the Pacific Avenue district, permitted ground-level uses include office in addition to retail, and residential uses are allowed at the ground level along the east-west streets and Center Street (City of Santa Cruz 2020b). A range of land uses are allowed within the Cedar Street Village Corridor.

East of Cedar Street, development may be allowed to exceed 35 feet on a discretionary basis to a maximum height of 50 feet (4 floors maximum). The granting of additional height above 35 feet is discretionary and requires a Design Permit with the recommendation of the Planning Director to the City Council, which must approve the additional height. In addition, approximately 50 feet on the eastern edge of the project site is located within "Additional Height Zone A," which allows building heights to 75 feet with specified development standards. The granting of building height above the 55-foot base height limit is discretionary and requires a Design Permit with the recommendation of the Director of Planning to the City Council, which must approve the additional height. Projects that qualify for a density bonus as allowed under either State law or City-adopted density bonus ordinance are eligible for the additional height increase. It also is noted that the *Downtown Plan* indicates that projects that closely conform to the development standards, but with slight variations may be considered upon demonstration that the resulting project will better achieve stated Plan and community objectives. Such variations shall be minor in nature and must receive a positive recommendation from the Planning Director, with final approval by the City Council (section J.1).

The proposed project uses are consistent with allowed residential, commercial, and institutional and community facilities allowed in the Cedar Street Village Corridor. With the exception of the one requested waiver and one

requested incentive/concession, the proposed project is consistent with all CBD zone district requirements and *Downtown Plan* development standards as summarized below, based on City review explained in the February 23, 2023 Planning Commission staff report dated February 15, 2023. The consistency review is included in Attachment A.

The three-story elements of the proposed project (parking garage and commercial space) have a height of 33 feet, which is below the 35-foot height limit established in the *Downtown Plan*. The proposed library also is generally under 35 feet in height except for one element that extends to 47 feet in height, but does not exceed 50 feet in height which is allowed with discretionary approval. The 5-story residential component of the proposed project reaches a height of 84 feet (and 91 feet with parapets), which exceeds both the 75-foot maximum height allowed in "Additional Height Zone A" in the eastern portion of the site and also the 50-foot height limit on the portion of the site not located in the "Additional Height Zone A". Figure 4 provides a conceptual depiction of the proposed building heights.

The proposed project is eligible for requesting additional height to 75 feet for the eastern portion of the site located within "Additional Height Zone A" if the City makes findings that the project is consistent with the following overarching City objectives (*Downtown Plan*, pages 72-73):

i. The additional height will help to achieve the First Principles of the *Downtown Plan* (e.g. form, housing, accessibility and open space).

ii. The additional height will contribute to an improved social and economic environment by including new housing.

iii. The form of the development promotes the appearance of a grouping of buildings rather than large, monolithic building masses.

iv. The development receiving additional height will physically and/or financially contribute its fair share (through an Improvement District, Development Agreement or similar mechanisms) to the implementation of internal pedestrian connections between Pacific Avenue and Front Street.

v. The additional height will help to meaningfully achieve one or more of the following key community objectives, including but not limited to: Affordable Housing, Day Care Center, exceed Green Building minimums, Incubator Space for Small Business, Public Access Easements, Public Right-of-way Improvements, Publicly Accessible Open Space, Structured or Shared Parking, and Transportation Demand Management concepts.

The City has found that the proposed project is consistent with the overarching objectives of the *Downtown Plan*, although the 5-story residential component exceeds both the 75-foot maximum height allowed in "Additional Height Zone A" in the eastern portion of the site and also the 50-foot height limit on the portion of the site not located in the "Additional Height Zone A". However, California State Density Bonus Law and the City's corresponding Density Bonus Ordinance provide tools to incentivize affordable housing and/or deeper levels of affordability. One incentive is that applicants can utilize a waiver or modification to development standards if those standards would "physically preclude" construction of the density bonus project, which would include building height.

As described above in Section II.C and further explained in the City Planning Commission staff report dated February 15, 2023, one waiver and one incentive/concession have been requested to allow for the increased building height as a result of the proposed above-ground parking garage, which are required because it has

been shown that applicable zoning development standards would physically preclude the construction of the number of residential units allowed under the State Density Bonus Law. Chapter 24, Part 3 of the Municipal Code governs the City's density bonus provisions. Pursuant to section 24.16.200, the purposes of Part 3 of this chapter are: (1) to provide incentives for the production of housing for very-low-income, low-income, moderate-income, and senior households; (2) to provide incentives for the creation of rental housing serving lower-income households; (3) to provide incentives for the construction of childcare centers serving very-low-, low-, and moderate-income households; and (4) to implement California Government Code sections 65915, 65915.5, 65915.7, and 65917 as required by Government Code section 65915(a). In enacting this part, it is also the intent of the City to implement the goals, objectives, and policies of the *General Plan 2030* Housing Element to encourage the construction of affordable housing in the City. Further, it is the intent of the City to encourage the development of rental housing in order to serve an economically diverse community and to mitigate the trend, as documented in the *General Plan 2030* Housing Element, that only limited rental unit development occurs without public assistance.

The court decision in *Wollmer v. City of Berkeley* expressly held that the waivers a city was required to grant for a density-bonus-eligible project did not result in planning and zoning inconsistencies that disqualified the project from the categorical exemption for in-fill development, because the mandatory nature of the waivers meant that those waived standards were inapplicable to the project. The Court found that "taking these laws together as they operate in the context of a density bonus project, it is clear that the waived zoning standards are not "applicable" and that the requirements of Guidelines section 15332, subdivision (a) were met." Therefore, based on the City's analyses and the *Wollmer* decision, the project is consistent with the zone district designation and all *applicable* zoning regulations, as well as the *General Plan 2030* land use designation and policies.

## B. Project Site Size and Surroundings

The 1.55-acre site is entirely located within City limits and is less than 5 acres in size. The proposed project would encompass the entire site. The project site is surrounded by urban uses including commercial uses along Pacific Avenue that border the project site on the east, as well as commercial uses along Lincoln and Cathcart Streets to the north and south, respectively. An existing church and commercial uses exist along Cedar Street to the west of the project site, as well as a mixed-use commercial/residential project that is under construction. CEQA does not provide a definition of "urban uses" that must be found to substantially surround a project in order to qualify for the exemption in CEQA Guidelines section 15332. However, the project site is within the downtown area of the City, and both the downtown and the City are characteristic of a densely populated area. In addition, the CEQA Guidelines section 15194, which addresses an exemption for affordable housing, includes a requirement that the project be located within an "urbanized area or within a census-defined place with a population density of at least 5,000 persons per square mile." Although the proposed project does not meet other requirements for use of the affordable housing exemption in section 15194, and therefore the City has not claimed that exemption is applicable to the proposed project, it is noted that the City's 12.7 square miles supports a population of 5,045 persons per square mile, which is consistent with the definition of urban area presented in this section of the CEQA Guidelines. CEQA Guidelines section 15387 also defines "urbanized area" as a city or group of contiguous cities with a population of 50,000 or more and having a population density of at least 1,000 persons per square mile, and the City also meets this definition, Therefore, the proposed development occurs within City limits on a project site of no more than 5 acres and is substantially surrounded by urban uses.

## C. Project Site Habitat Value for Rare, Threatened, and/or Endangered Species

The project site and surrounding properties are developed. The site is developed with one existing commercial building and a paved, surface public parking lot. The site includes 12 non-native, planted trees within the existing parking lot.

The project site is not within an area mapped as potential sensitive habitat as depicted in the City's *General Plan 2030*, and there are no known endangered or threatened species on or adjacent to the site due to the site's location within a developed urban area (City of Santa Cruz 2012a). However, a database search was conducted to further determine whether any rare, threatened, or endangered species are known to occur on or adjacent to the site or have the potential to occur on the site. The review included the California Natural Diversity Data Base (CNDDB) maintained by the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service Information for Planning and Consultation (IPaC) database, and the California Native Plant Society Rare Plant Inventory. The review did not identify any special-status species occurring on or near the site, and concluded that there is no potential habitat to support special-status species on the project site (Dudek 2023b). Therefore, the project site has no value as habitat for rare, threatened, or endangered species.

It is noted that 12 non-native trees would be removed, but given the review of potential threatened or endangered species, tree removal would not affect habitat for special-status species. The potential for disturbance to nesting birds protected under state and federal regulations is discussed below in Section IV.C.

## D. Significant Effects Relating to Traffic, Noise, Air Quality, or Water Quality

### Traffic

**Vehicle Miles Traveled.** In December 2018, the California Natural Resources Agency certified and adopted an update to the CEQA Guidelines, including the new CEQA Guidelines section implementing Senate Bill (SB) 743. SB 743 and the CEQA Guidelines state that level of service (LOS) (i.e., congestion) will no longer be considered to be an environmental impact under CEQA and that vehicle miles traveled (VMT) is the most appropriate measure of transportation impact. Cities were required to adopt new thresholds and/or procedures related to VMT by July 2020.

In accordance with the amended CEQA Guidelines, the City has transitioned from intersection LOS formerly used for traffic impact analyses to VMT as the metric for determining potentially significant impacts. The City adopted a VMT transportation threshold on June 9, 2020 in accordance with CEQA and state requirements. The threshold generally establishes that a project exceeding a level of 15 percent below the Countywide average VMT may result in a significant transportation impact.

The City's SB 743 Implementation Guidelines (City of Santa Cruz 2022a) to determine whether a land use project is within the VMT threshold includes a screening process in which situations are identified under which projects are determined to not have a significant impact and further VMT analysis is not required. The guidelines require that each distinct land use for a mixed-use project be analyzed separately unless they are determined to be insignificant to the total VMT. The guidelines also state that housing projects are expected to cause a less-than-significant impact on VMT if a high percentage of the project is affordable, as determined by the City.

Furthermore, projects, or portions of a project that meet the screening criteria do not require a CEQA transportation analysis, and such projects, or portions of a project, will have a non-significant CEQA transportation impact based on their project location and characteristics. According to the City's guidelines, projects that would not be expected to result in a significant VMT impact and that are screened out from further transportation impact review include:

- Small projects that generate fewer than 110 trips per day;
- Projects near high-quality transit: within one-half mile of a major transit stop or a high-quality transit corridor with a combined service interval frequency of 15 minutes or less during the AM and PM peak hours[3];
- Local-serving retail (less than 50,000 square feet) projects;
- Projects with a high percentage of affordable housing is provided as determined by the City of Santa Cruz;
- Local essential services, which includes daycare centers and libraries;
- Map-based screening; and
- Redevelopment projects that do not result in a net increase in VMT.

The proposed project is located in a "VMT Efficient Area" based on the "Santa Cruz County Residential Screening Map." This means that based on the VMT per capita threshold set by the City and County, the proposed project is located in an area that produces VMT per capita that is at least 15 percent below the countywide average, and therefore is below the City's adopted VMT impact threshold. Additionally, each of the project elements can use the screening criteria in the City's SB 743 Implementation Guidelines as follows.

- Projects near High-Quality Transit: This screening criterion is met as the proposed project is within one-half mile of a high-quality transit stop as defined by California Public Resources Code section 21064 (Santa Cruz Metro Center).
- Local-Serving Retail: This screening criterion covers the net increase of approximate 6,500 square feet space for commercial uses that would be considered local-serving retail uses, which is substantially less than the screening level of 50,000 square feet.
- Affordable Housing: This screening criterion is met as the proposed project provides 100-percent-affordable housing with the proposed 124 units of affordable housing, which would be considered a high proportion of affordable housing.
- Local Essential Service: This screening criterion covers the proposed daycare and government offices uses (library).

The proposed parking on the site represents a net increase of 109-202 public parking spaces with the proposed 243-space parking garage that could potentially be expanded to 336 spaces, which would replace the 134 existing spaces. Because the proposed parking is part of the public supply of parking in the downtown area and is not dedicated to the other proposed project uses, the parking component of the proposed project is analyzed as part of the overall shared public supply in the downtown area. In this case, the Parking District is projected to lose 448 spaces by 2030, but only projected to gain up to 336 spaces with the proposed project. This

[3] The CEQA Guidelines indicate that, generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less-than-significant transportation impact.

represents a net loss in the shared public supply of 112-205 spaces. The project does not add more parking than required by the City.

For all of the foregoing reasons, the VMT for the proposed project is assumed to be less than significant in accordance with the adopted City guidelines. Thus, the project would not result in a significant impact related to VMT based on the City's adopted threshold and would not conflict or be inconsistent with CEQA Guidelines section 15064.3 (City of Santa Cruz 2022c). Furthermore, the proposed project includes provision of bicycle parking in excess of City requirements (61 spaces in excess of City requirements), which could further reduce VMT by one percent (City of Santa Cruz 2022d).

It is also noted that the City's guidelines follow the guidance of and are consistent with the State's guidelines for evaluation of transportation and VMT impacts (California Office of Planning and Research 2018), which found that adding affordable housing to in-fill locations generally improves jobs-housing match, in turn shortening commutes and reducing VMT, and in areas where the existing jobs-housing match is closer to optimal, low-income housing nevertheless generates less VMT than market-rate housing. In addition, a project consisting of a high percentage of affordable housing may be a basis for the lead agency to find a less-than-significant impact on VMT, and evidence supports a presumption of less than significant impact for a 100-percent-affordable residential development (or the residential component of a mixed-use development) in in-fill locations (California Office of Planning and Research 2018).

**Other Transportation Impacts.** The City did not identify any other significant transportation-related effect resulting from the proposed project, including conflicts with transportation policies. The project site is located in proximity (less than one-half mile) to bus stops and the Santa Cruz Metro Center, thus facilitating transit use. The project includes frontage and sidewalk improvements as well as 248 bicycle parking spaces which, as indicated above, exceeds City requirements by 61 spaces, and includes locked facilities which serve to facilitate and enhance pedestrian and bicycle travel. The *General Plan 2030* includes goals, policies, and actions that set forth comprehensive measures to reduce vehicle trips, increase vehicle occupancy, encourage use of alternative transportation modes, and promote alternative-sustainable land use patterns, all of which would help reduce vehicle trips, and avoid and minimize adverse impacts related to traffic. Thus, the project is consistent with *General Plan 2030* policies that promote non-automobile transportation. The provision of public parking on the project site would be part of the Downtown Parking District and not dedicated solely to project uses. As indicated above, even with the proposed on-site net increase of public parking spaces on the project site, the Downtown Parking District overall would experience a net loss in public parking spaces before 2030. However, this would not result in a significant transportation impact under criteria included in the CEQA Guidelines.

The *General Plan 2030* strives to maintain the established LOS D or better at signalized intersections (M3.1.3). Level of service is typically used to evaluate traffic operations, in which operating conditions range from LOS "A" (free-flowing) to LOS "F" (forced-flow). The *General Plan 2030* also accepts a lower LOS and higher congestion at major regional intersections if necessary improvements would be prohibitively costly or result in significant, unacceptable environmental impacts (M3.1.4). Although LOS is no longer used as metric for determining significance of transportation impacts under CEQA, a traffic impact study was prepared for the project in accordance with City requirements. The study found that the intersection LOS analysis results show that all study intersections would operate at an acceptable LOS established in *General Plan 2030* policies during both AM and PM peak hours under "existing plus project" conditions (Kimley-Horn 2023), and thus, the

project would not result in traffic levels which would conflict with City LOS policies. The proposed project is also located in proximity to pedestrian and bicycle facilities that could be used for some of the project's daily trips.

## Noise

The proposed project would not result in a substantial increase in permanent noise levels. The project consists of a mixed-use residential, public library, and commercial development with predominantly residential uses. None of the project uses (residential, library, commercial, or childcare facility) would be associated with activities that would generate substantial permanent increases in ambient noise levels. The proposed parking garage would be enclosed, which would generally create a shield to vehicular noise, and would replace the existing surface public parking lot on the project site.

An analysis of noise generated by mechanical equipment found that the increase in ambient noise levels would be below the threshold considered in the General Plan 2030 EIR for potentially significant impacts (Salter 2023). In addition, the analysis of noise levels with project traffic found that the increase in traffic resulting from the project would result in an increase in noise levels but they would remain below City thresholds. Therefore, the project would not result in a significant impact related to permanent increases in noise (Salter 2023). In addition, Municipal Code section 9.36.010 prohibits offensive noise between the hours of 10 PM and 8 AM and section 9.36.020 prohibits unreasonably disturbing noises. Furthermore, section 24.14.260 prohibits increases of sound levels above five decibels (dBA) above the local ambient noise level on a residential property. These regulations are intended to prevent increases in ambient noise levels.

There also would be a temporary increase in existing noise levels during project grading and construction. Noise levels resulting from construction would depend on the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive receptors, as well as existing ambient noise levels. Noise generated during construction would vary throughout the construction period and on any given day, depending on the construction phase and the type and amount of equipment used at the construction site. The highest noise levels would be generated during grading of the site, with lower noise levels occurring during building construction and finishing. Sensitive noise receptors, which are residential uses located approximately 155 feet west of the project site, would experience a temporary increase in noise levels. However, construction sound levels would be intermittent and varied through a single day as well as throughout the duration of project construction, and construction noise levels would decrease with distance from the construction site. Overall, construction noise levels would be temporary and short-term, and would fluctuate throughout the construction period with the construction activities producing higher noise levels occurring earlier in the construction phase. Therefore, construction noise would not result in substantial increases in temporary noise levels or result in a significant impact to sensitive receptors.

The proposed project does not include any uses that would result in generation of groundborne vibration. Potential vibration levels associated with construction are not expected to exceed thresholds for human annoyance or for damage to "normal dwelling houses" at the nearest residential properties. Thus, groundborne noise would not result in a significant impact (Salter 2023).

## Air Quality

**Criteria Air Pollutant Emissions.** The California Emissions Estimator Model (CalEEMod) Version 2020.4.0 was used to estimate criteria air pollutant emissions generated during construction and operation of the proposed project. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction activities from a variety of land use projects, such as residential, commercial, and industrial facilities. A construction assumptions scenario was developed based on the best available information known and provided by the City and its affordable housing development partner. Key construction assumptions include phase types, phase timing and duration, off-road equipment use (e.g., type, quantity, and hours of operation per day), number of vehicle trips (e.g., haul trucks, vendor trucks, and worker vehicles) and trip distance, ground disturbance acreage, amount of demolition debris, and paving area.

Emissions of criteria air pollutants associated with construction and operation of the proposed project based on the CalEEMod results are shown on Tables 1 and 2. As shown, maximum daily emissions would not exceed the applicable Monterey Bay Air Resources District (MBARD) significance thresholds (MBARD 2008) related to air quality. Therefore, project air pollutant emissions would during both construction and operations would result in a less-than-significant impact as all emissions levels would be substantially below MBARD thresholds.

**Table 1. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions**

| Year | ROG | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *pounds per day* | | | | | |
| 2024 | 1.38 | 19.96 | 14.46 | 0.05 | 3.38 | 1.84 |
| 2025 | 4.52 | 7.68 | 10.26 | 0.03 | 1.96 | 0.67 |
| 2026 | 4.52 | 9.23 | 10.96 | 0.02 | 0.68 | 0.52 |
| **Maximum Daily Emissions** | **4.52** | **19.96** | **14.46** | **0.05** | **3.38** | **1.84** |
| *MBARD Threshold* | *N/A* | *N/A* | *N/A* | *N/A* | *82* | *N/A* |
| **Threshold Exceeded?** | **N/A** | **N/A** | **N/A** | **N/A** | **No** | **N/A** |

**Notes**: CO = carbon monoxide; MBARD = Monterey Bay Air Resources District; N/A = not applicable; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; ROG = reactive organic gases; $SO_x$ = sulfur oxides.

The values shown are the maximum summer or winter daily emissions results from CalEEMod.

Emissions thresholds are included in MBARD's CEQA Air Quality Guidelines (2008).

CalEEMod model results are on file with the City of Santa Cruz Planning and Community Development Department.

Table 2. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

| Emission Source | ROG | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *pounds per day* | | | | | |
| ***Project*** | | | | | | |
| Area | 3.92 | 0.12 | 10.24 | <0.01 | 0.06 | 0.06 |
| Energy | 0.06 | 0.3 | 0.34 | <0.01 | 0.04 | 0.04 |
| Mobile | 7.22 | 6.90 | 59.08 | 0.09 | 10.32 | 2.80 |
| **Total** | **11.20** | **7.56** | **69.66** | **0.10** | **10.42** | **2.90** |
| ***Existing*** | | | | | | |
| Area | 0.15 | <0.01 | 0.01 | 0.00 | <0.01 | <0.01 |
| Energy | <0.01 | 0.04 | 0.03 | <0.01 | <0.01 | <0.01 |
| Mobile | 1.22 | 1.34 | 9.88 | 0.01 | 1.25 | 0.35 |
| **Total** | **1.37** | **1.37** | **9.91** | **0.01** | **1.29** | **0.36** |
| ***Net Change in Emissions*** | | | | | | |
| **Net Change (Project – Existing)** | **9.83** | **6.19** | **59.74** | **0.09** | **9.13** | **2.54** |
| *MBARD Threshold* | *137* | *137* | *550* | *150* | *82* | *N/A* |
| **Threshold Exceeded?** | **No** | **No** | **No** | **No** | **No** | **N/A** |

**Notes**: CO = carbon monoxide; MBARD = Monterey Bay Air Resources District; N/A = not applicable; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; ROG = reactive organic gases; $SO_x$ = sulfur oxides.

The values shown are the maximum summer or winter daily emissions results from CalEEMod.

Emissions thresholds are included in MBARD's CEQA Air Quality Guidelines (2008).

CalEEMod model results are on file with the City of Santa Cruz Planning and Community Development Department.

**Air Quality Management Plan.** Potential conflicts with the MBARD's Air Quality Management Plan (AQMP) also were considered using guidance set forth by the MBARD's CEQA Guidelines (MBARD 2008). A consistency determination is a process by which the lead agency demonstrates that the population associated with a proposed project is accommodated by the Association of Monterey Bay Area Governments' (AMBAG's) regional forecasts. AMBAG's regional forecasts for population and dwelling units are embedded in the emission inventory projections used in the regional AQMP.

For population-related projects, the MBARD developed a procedure that compares existing, under-construction, and approved residential dwelling units with AMBAG's housing unit forecast for a jurisdiction, as dwelling units are closely related to population and can be tracked within local jurisdictions; therefore, the number of dwelling units is used as the method for determining consistency with the AQMP. Consistency of indirect emissions associated with commercial, industrial, or institutional projects intended to meet the needs of the population as forecast in the AQMP is determined by comparing the estimated current population of the county in which the project is to be located with the applicable population forecast in the AQMP. If the estimated current population does not exceed the forecasts, indirect emissions associated with the project are deemed to be consistent with the AQMP. Projects which are consistent with AMBAG's regional forecasts have been accommodated in the AQMP and are therefore consistent with the AQMP (MBARD 2008).

The MBARD's most recent 2015 AQMP utilized AMBAG's 2014 Regional Growth Forecast. The City had 24,250 existing dwelling units as of January 1, 2022 (California Department of Finance 2022), and approximately 1,711 residential units are under construction or have been approved throughout the City, including residential development at the University of California Santa Cruz (UCSC)[4]. With the addition of these units, the City's housing units would total 25,961 dwelling units. That number would increase to 26,085 dwelling units with the addition of the proposed project, which is below the AMBAG Regional Growth Forecast of 28,297 dwelling units for the year 2030 that were factored into the AQMP. Similarly, City population with the proposed project and other approved and under-construction housing units would total 70,607, which is below the AQMP forecast of 73,375 in the year 2030, and thus, the non-residential components of the proposed project, which are intended to serve the local population, would be consistent with the AQMP. Therefore, the proposed project would be consistent with the AQMP, and would not conflict with or obstruct implementation of the AQMP.

## Water Quality

The proposed project does not involve any discharges that would violate any water quality standards or waste discharge requirements. The City has developed a Storm Water Management Program (SWMP) in order to fulfill the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4) (General Permit) and to reduce the amount of pollutants discharged in urban runoff. In compliance with the regulations, the City's comprehensive SWMP is designed to reduce the discharge of pollutants and to protect water quality. The City also adopted an ordinance for "Storm Water and Urban Runoff Pollution Control" (Chapter 16.19 of the Municipal Code), as part of its SWMP. The ordinance identifies prohibited discharges and required Best Management Practices (BMPs) for construction and new development. City regulations (Municipal Code section 16.19.140) require that any construction project, including those undertaken under any permit or approval granted pursuant to Titles 15 (Streets and Sidewalks), 18 (Buildings and Construction), and 24 (Zoning) of the Municipal Code, shall implement BMPs including the City's mandatory BMPs as detailed in the latest BMP manual published by the City's Public Works Department. The City's BMP manual requires the project to include a structural or treatment control BMPs, or a combination of BMPs, to reduce potential pollutant loadings in storm water runoff to the maximum extent practicable.

The project site is currently developed, and its impervious surface area would decrease from 65,560 square feet to 44,440 square feet with the proposed project. A stormwater control plan (SWCP) has been prepared for the project that details drainage features to collect and treat stormwater runoff. The project proposes to install a biofiltration area and mechanical filtration system and would be designed so that stormwater would collect into this system. Other measures also include provision of porous pavement on the perimeter of the site. Stormwater would be filtered through this system before it is discharged into existing City storm drains. Furthermore, the proposed project's parking garage would eliminate the existing surface parking lot, which would reduce conveyance of urban pollutants typically found in parking lots into the City's storm drain system.

[4] Residential projects at UCSC are primarily student housing projects, and there is one approved employee housing project. In general, part-year student housing is considered group quarters and year-round faculty / student family housing is counted as housing units (AMBAG 2022). For the 2014 regional growth forecast used in the AQMP, University population and housing projections were completed separately from jurisdiction population projections (AMBAG 2014). For the purpose of this review and in accordance with current AMBAG guidance, approved employee housing is considered as housing units, and student housing is considered group quarters and is not included as housing units, but the population accommodated by new student housing is included in the population estimates.

The SWCP is subject to review and approval by the City's Public Works Department, which has found that the project is in compliance with stormwater management and treatment provisions included in City regulations. Thus, the proposed project would not alter existing drainage patterns, and operations would not result in a significant impact.

Construction activity on projects that disturb one or more acres of soil must obtain coverage under the State's General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit, 99-08-DWQ). Construction activity subject to this permit includes clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP is required to list BMPs that the discharger will use to protect stormwater runoff. Proposed grading and development on the project site would disturb more than 1 acre and, thus, the project would be subject to the Construction General Permit and preparation of a SWPPP, which would set forth measures to prevent erosion and protect water quality during construction.

Compliance with regulations contained in the Municipal Code regarding implementation of stormwater BMPs, grading requirements and implementation of erosion control plans (Chapters 16.19 and 18.45 and section 24.14.060), as well as preparation and implementation of a SWPPP during construction, would avoid/minimize potential water quality impacts from stormwater runoff.

### E. Utilities and Public Services

The project site is in an urban area and is currently served by public utilities and services for water, wastewater, gas, electricity, and solid waste. The proposed project would continue to be served by existing utilities and service providers. Except for gas and electricity, all services and utilities are provided by the City. All existing public services and utilities are adequate to serve the proposed project.

## IV. Exceptions to Categorical Exemptions

The City has further considered whether the project is subject to any of the potential exceptions to the use of a categorical exemption found in CEQA Guidelines section 15300.2. This section prohibits the use of categorical exemptions under the following circumstances:

(a) For certain classes of projects (not the Class 32 in-fill exemption) due to location;

(b) When the cumulative impact of successive projects of the same type in the same place, over time, is significant;

(c) Where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances;

(d) Where the project may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway;

(e) Where the project is located on a state-designated hazardous waste site; and

(f) Where the project may cause a substantial adverse change in the significance of a historical resource.

## A. Location

The exemption exception in section 15300.2(a) does not apply because projects in the Class 32 category are not excluded on the basis of location.

## B. Cumulative Impacts

Under CEQA Guidelines section 15300.2(b), a categorical exemption shall not be used when the cumulative impact of successive projects of the same type in the same place, over time is significant. There is no specific time requirement for the consideration of cumulative impacts "over time." However, CEQA requires a lead agency to consider cumulative impacts from "reasonably foreseeable" projects (CEQA Guidelines section 15355(b)).

Successive projects of the same type in the same place on the proposed project site have not been approved or proposed. Furthermore, once the construction of the proposed project is complete, there would be no available space on the site for future development. The City may consider inclusion of one subterranean level of parking as part of the proposed parking garage, but this would be included with the proposed project and not developed at a later date after the project had been constructed.

There are a number of other mixed-use and residential projects in the downtown area that have been approved or are under construction in proximity to the proposed project and within the downtown area as defined by the boundaries in the *Downtown Plan*. The geographic scope of the cumulative impact exception is clearly narrower than for projects for which an EIR is prepared, due to the more restrictive language of the potential exception ("projects of the same type in the same place"). However, notwithstanding the narrower scope of the exception, cumulative impacts from other projects similar to the proposed project located in vicinity of the proposed project or within downtown were fully considered.

There are three mixed-use projects under construction and three other approved mixed-use projects within the vicinity of the proposed project. All projects include ground-floor commercial uses with residential uses on the upper floors, and one project also includes a public transit facility and offices. Thus, these projects are similar to the proposed project and would result in construction of 641 residential units with ground-floor commercial uses. However, there would be a net reduction of approximately 52,500 square feet of non-residential commercial and office space due to demolition of existing commercial buildings to accommodate the new mixed-use projects. These other downtown area projects also are expected to be constructed within the same general 2- to 5-year timeframe as the proposed project with construction completion by the year 2030.

The General Plan 2030 EIR considered potential new housing units and non-residential uses in the City that could be accommodated by the *General Plan 2030* with an estimated buildout of 3,350 new residential units and approximately 1,090,000 square feet of commercial uses throughout the City by the year 2030 (City of Santa Cruz 2012b, DEIR volume-page 3-13). The proposed project is located within the "Downtown" neighborhood area that was identified in the General Plan 2030 EIR for the purposes of evaluating potential growth. The General Plan 2030 EIR identified additional development in the downtown neighborhood to include 299 residential units, approximately 38,900 square feet of commercial space, approximately 4,500 square feet of office space, and 82 hotel rooms. However, it is noted that the "Downtown" neighborhood in the General Plan 2030 EIR encompasses a larger area than is included within the boundaries of the *Downtown Plan*. In

addition, the downtown area located along the San Lorenzo River east of Front Street is located in the "River/Front" neighborhood in the General Plan 2030 EIR, for which potential future development was estimated at 337 residential units and approximately 70,000 and 91,600 square feet of commercial and office space, respectively. Additional potential future development within the area covered in the *Downtown Plan* also was considered with amendments to the *Downtown Plan* that were approved in 2017 to include a net increase of 711 residential units, approximately 2,200 square feet of office space, and a decrease in commercial space of approximately 14,700 square feet as evaluated in the Downtown Plan Amendments EIR.

Taken together, potential future development in the downtown area considered in the General Plan and Downtown Plan Amendments EIRs was estimated at 1,347 housing units and approximately 205,053 square feet of non-residential commercial and office space. It is noted that these potential development numbers in the *General Plan 2030* and Downtown Plan Amendments EIRs were estimates developed for the purpose of completing environmental analyses, but were not adopted as caps or development limits.

Since adoption of the *General Plan 2030*, approximately 1,200 residential units have been constructed or approved in the "Downtown" and "River/Front" neighborhoods, which include the area within the *Downtown Plan*, and there has been a net reduction of approximately 3,300 square feet of non-residential space. With the proposed project, cumulative residential units in the downtown area would total 1,324 units, which is slightly below the total number of residential units considered for development (1,347 units) in the *General Plan 2030* and Downtown Plan Amendments EIRs. Additionally, with the proposed project, approved and constructed cumulative non-residential development, including the DLAHP, would have a net increase of approximately 54,750 square feet, which is approximately one-quarter of the amount of non-residential space (205,000 square feet) considered in the EIRs.

It is noted that there is one pending mixed-use development project in the downtown area that has not been approved, but is expected to be presented to City decision-makers in the near future, and thus is considered reasonably foreseeable. If approved, this project would include 276 residential units and a net decrease in commercial square footage. With this pending project, total residential units would exceed estimates considered in the analyses in the *General Plan 2030* and *Downtown Plan* EIRs for the downtown area by 250 units, but would still be within the overall development and growth estimates considered in the General Plan EIR. In addition, there is one pending non-residential development project that also may be considered by City decision makers within the next six months. Although not a mixed-use project like the proposed DLAHP, it would result in addition of approximately 133,600 square feet of commercial space as a new hotel. However, when added to other approved and constructed non-residential space, including the DLAHP, non-residential square footage would be less than the amount considered in the Downtown Plan Amendments EIR and General Plan EIR.

There is no substantial evidence to support a conclusion that significant impacts would occur as a result of reasonably foreseeable cumulative projects in the downtown area based on cumulative impact analyses conducted for the City's General Plan 2030 EIR and Downtown Plan Amendments EIR. Because approved cumulative development is within residential development estimates and far below non-residential development estimates considered and analyzed in the *General Plan 2030* and Downtown Plan Amendments EIRs, potential cumulative impacts in the downtown area from buildout under the plans have been adequately addressed. The General Plan 2030 EIR identified potential significant cumulative impacts related to noise, population, transportation/traffic, and water supply. The Downtown Plan Amendments EIR identified significant

cumulative impacts related to transportation/traffic, water supply, and schools. Cumulative impacts due to other development projects in the vicinity of the proposed project would not be significant or the proposed project's contribution would not be cumulatively considerable as explained below.

**Noise.** Neither the proposed project nor other downtown cumulative projects would contribute to cumulative noise impacts since the these projects are not located in proximity to the road segments subject to the cumulative noise impact (Westside industrial area) as identified in the General Plan 2030 EIR.

**Transportation/Traffic.** Previous evaluations of cumulative traffic impacts were based on the traffic congestion metric of LOS, which is no longer applicable due to changes in CEQA described above, which now require traffic impacts to be evaluated based on VMT. In establishing guidelines, the State Office of Planning and Research issued guidelines that indicate if a project falls below an efficiency-based threshold that is aligned with long-term environmental goals and relevant plans, there would be no cumulative impact distinct from the project impact. Accordingly, a finding of a less-than-significant project impact would imply a less than significant cumulative impact (California Office of Planning and Research 2018). As indicated in Section III.D, the proposed project would not result in a significant impact related to VMT, and accordingly, cumulative traffic impacts also would be less-than significant.

**Population.** The General Plan 2030 EIR identified cumulative population growth as a potentially significant impact due to cumulative growth at the University of California, Santa Cruz (UCSC) in conjunction with growth accommodated by the General Plan 2030. The EIR concluded that cumulative growth (City and UCSC) could result in an average annual growth rate that would exceed historical growth rates and AMBAG population forecast growth rates if the North Campus area is annexed to the City in the next 20 years. UCSC updated its Long-Range Development Plan (LRDP) in 2021 and no longer proposes expansion into the North Campus area, although enrollments were projected to increase. The General Plan EIR considered UCSC enrollment to 19,500 students with provision of additional on-campus housing. According to UCSC's website, enrollment for the 2021-2022 academic year totaled approximately 19,000 students (University of California Santa Cruz 2023).

Regional population forecasts are updated every four years by AMBAG and have been updated since certification of the General Plan 2030 EIR and the Downtown Plan Amendments EIR. Current forecasts project a Citywide population of 72,218 in the year 2030 (AMBAG 2022). The City had a population of 64,075 people as of January 1, 2022 (California Department of Finance 2022). Based on the City's existing average household size of 2.33, cumulative downtown projects, including the proposed project, could result in a population increase of approximately 3,085 persons as a result of development of 1,324 new housing units. This is a conservatively high estimate as household sizes in the downtown area at about 1.9 persons per household are slightly lower than the Citywide average, based on Census information. City population as a result of cumulative downtown projects could increase to approximately 67,160 and would not exceed regional population forecasts for the City of 72,218 in the year 2030 (AMBAG 2022). Even with addition of the pending downtown project that could be approved in the near future (approximately 276 units), resulting population would be less than the regional forecast for the year 2030. Therefore, no new significant cumulative population growth impacts related to downtown development is expected.

The General Plan 2030 EIR also indicates that regional population forecasts, which are updated every four years, would account for changing trends in cumulative development and growth. Furthermore, it is also noted that the proposed project would not be inducing new population growth, but would serve existing households

in the city or county that are on waiting lists for affordable housing. The Housing Authority of Santa Cruz County has indicated to City staff that there are a total of 10,851 applicants throughout the county on its waiting list for affordable housing. It would be reasonable to assume that some of these people already live in the City, and thus, the project and other affordable housing projects in the downtown area would serve in part if not completely, existing City residents and would not result in any substantial population increases.

**Water Supply.** The proposed project would contribute to significant cumulative impacts related to water supply identified in the General Plan 2030 and Downtown Plan Amendments EIRs. As indicated above, the proposed project and cumulative approved downtown development are within the amount of development analyzed in both EIRs. With two pending downtown projects, development estimates analyzed for the downtown area would be exceeded, but would still be within development estimates considered in the city-wide General Plan EIR. As indicated in both EIRs, approved development projects would be subject to City requirements for installation of water-conserving fixtures and landscaping in accordance with current Municipal Code and building requirements. Under multi-year drought conditions, the project, like other City customers, would be subject to water use restrictions. The increase in water demand due to the proposed project would not substantially exacerbate water supply reliability in the future or during a drought because the amount of additional demand when spread across all service area customers would not result in any noticeable increase in the timing or extent of curtailment in customer use that would otherwise be implemented during drought conditions.

In addition, the project would pay the required "System Development Charge" that is required for a new or upgraded service connection or where a project adds new residential uses. This charge, as set forth in Chapter 16.14 of the Municipal Code, funds public water system improvements, and is assessed so projects pay the proportional share of the costs of new and existing water facilities necessary to meet the demand resulting from new or enlarged water services. This charge is intended to address the water supply impacts caused by new development in the City's water service area, and the funds are used for construction of public water system improvements and conservation programs. Therefore, the project's incremental contribution to a significant cumulative water supply impact would not be cumulatively considerable.

**Schools.** The General Plan and Downtown Plan Amendments EIRs concluded that cumulative development could potentially affect school enrollments. The General Plan EIR concluded that this is a potentially significant cumulative impact, but would be mitigated to a less-than-significant level with required payment of school impact fees to fund necessary facility expansion and/or additions (City of Santa Cruz, April 2012, DEIR volume). Both EIRs also found that potential addition or expansion of school classroom facilities is not expected to result in significant physical impacts due to the location of existing facilities within developed footprints, and future enrollment could be accommodated without construction of new schools, although some expansion of existing facilities may be necessary (City of Santa Cruz, April 2012, DEIR volume). Therefore, a project's incremental contribution to this impact as a result of generation of students, including the proposed project, is not cumulatively considerable as the required payment of school impact fees would mitigate the project's cumulative contribution such that it would no longer be considered cumulatively considerable.

**Conclusion.** Based on cumulative impacts potentially resulting from reasonably foreseeable projects in the downtown area, no other potentially significant cumulative impacts have been identified. As explained above, the proposed project's contribution to cumulative water supply impacts would not be cumulatively considerable. No significant cumulative impacts have been identified for air quality or water quality. All development projects must comply with City stormwater regulations that would prevent or minimize water quality impacts as

addressed in Section III.D, and thus, other cumulative projects in the downtown area would not result in a significant cumulative impact. Similarly, according to the MBARD, projects which are consistent with the AQMP would not result in a significant cumulative impact (MBARD 2008). Therefore, this exception of significant cumulative impacts of successive projects of the same type and in the same place does not apply to the project.

## C. Significant Impacts Due to Unusual Circumstances

Under CEQA Guidelines section 5300.2(c), a categorical exemption shall not be used where there is a reasonable possibility that the activity will have a significant effect on the environment due to "unusual circumstances." Unusual circumstances may be established by showing that the project has some feature that distinguishes it from others in the exempt class, such as its size or location, and that there is a reasonable possibility of a significant effect due to that unusual feature or circumstance, or by showing that the project would have a significant environmental effect. For the unusual circumstances exception to apply, it is not enough alone that there is a reasonable possibility the project would have a significant environmental effect; instead there must be a reasonable possibility that the activity would have a significant effect on the environment *due to unusual circumstances*.

The nature of a project may be "unusual," particularly if its scope and size differ from conditions in the surrounding vicinity. This includes whether the project is or is not consistent with the surrounding zoning and land uses, including consistency with the underlying general plan and zoning designations and development standards. Conversely, the scope and size may be "unusual" if the use, height, or density vastly differ from surrounding uses. Therefore, "the presence of comparable facilities in the immediate area adequately supports [a]n implied finding that there [are] no 'unusual circumstances' precluding a categorical exemption." (*Walters v. City of Redondo Beach* (2016) 1 Cal. App.5th 809, 821, quoting *Bloom v. McGurk* (1994) 26 Cal.App.4th 1307, 1316.)

The project site possesses no unusual features or environmental characteristics that distinguish it from other properties of the same size in the downtown area. The project site's immediate area, and the downtown area in general, have similar *General Plan 2030* and zoning designations as the subject property. There are no "unusual circumstances" that differentiate the project from the general class of similarly situated projects.

The project site is approximately 1.55 acres in size and is developed. There are numerous in-fill development sites in the downtown area that could similarly redevelop with a mixed-use project. There are at least six similar mixed-use projects that are currently under construction or approved in the downtown area on in-fill sites, some of which include surface parking lots similar to the project site; four of these projects have applied the in-fill development categorical exemption under CEQA. In addition, there is an approved mixed-use project in the downtown neighborhood as defined in the General Plan EIR and four other approved mixed-use projects within the City. A summary and comparison of these projects are included in Attachment B. These projects have similar or greater densities and building heights as the proposed project, and most have utilized waivers and concessions permitted under state and local density bonus laws. The proposed project represents a density of 80 dwelling units (du) per acre. This density is within and substantially lower than densities of most of the above-referenced approved projects and projects that are under construction in the downtown area, where densities range from 84 to 196 du/acre, most of which are greater than 130 du/acre. The proposed project's total number of housing units also is less than three of the approved downtown projects. Therefore, the size

and density of the project do not represent unusual features or circumstances, as numerous other approved projects have similar or greater densities and size.

The project site is located within an urban area, surrounded by development, and sensitive resources are not present as explained above and below. As explained below, there are no "unusual circumstances" that differentiate the project from the general class of similarly situated properties or projects. For example, other properties in the surrounding area have developed or could develop a similar mixed-used project, utilizing waivers permitted under the provisions of the state and local density bonus laws.

Lastly, the proposed project does not include uses that would be considered unusual in the downtown area. As indicated above in Section III.A, all proposed project uses are allowed in the CBD district as set forth in the *Downtown Plan*. The proposed parking garage is consistent with the City's *Downtown Plan*, which indicates that parking in the downtown core should continue to be provided by the Parking District in a centralized fashion, to maximize shared use and minimize the quantity of stored vehicles. The *Downtown Plan* continues to call for parking structures and specifically calls for consideration of reuse of portions of City parking lots for residential redevelopment as replacement parking is provided in new structures. In this case, the project includes a parking garage, as well as housing and community uses. In addition, the Plan calls for consolidation of public and private properties to reinforce and expand the existing system of off-street parking along Cedar and Front Streets

The proposed parking garage would remove the existing 134-space surface public parking lot and would provide a new three-level parking garage with 243-336 spaces available to the public, as well as the project users. While the project would result in an net increase in public parking on the project site, reviews by City staff indicate the Downtown Parking District would continue to operate with a deficit of approximately 112-205 parking spaces. Thus, although the new parking garage could result indirectly in traffic and air emissions as vehicles search for available parking and may exacerbate the existing parking deficit downtown, these situations are common and not be considered an unusual circumstance that would lead to a significant impact. The traffic generated by the proposed project would not lead to traffic congestion that exceeds City policy directives for acceptable levels of service (Kimley-Horn 2023) as explained in Section III.D. Similarly, the air emission modeling conducted for the project that accounts for project trips and the parking garage found that all criteria air pollutant emissions would be below regulatory thresholds as explained in Section III.D. Therefore, the proposed parking garage would not be an unusual feature or circumstance that could lead to a significant impact.

Aesthetics. The proposed project would result in a building height of 84 feet, which is higher than other buildings in the immediate vicinity due to the requested waiver required for qualifying projects that include density bonus units. The height also exceeds the additional 75-foot heights that could be allowed on the eastern portion of the project site. However, the proposed project is similar in height and scale as three approved mixed-use projects in the downtown area that are also designated RVC in the *General Plan 2030*, and which have approved heights of 81-85 feet. Furthermore, the *Downtown Plan* permits additional height to 85 feet in the area to the east of the project site between Pacific Avenue and Front Street on the west and east, and Cathcart Street and Laurel Street on the north and south, respectively. The additional 85-foot height can also be allowed on the west side of Front Street between Cathcart Street and Soquel Avenue. In addition, there are two other buildings in the downtown area that exceed 80 feet in height, the Palomar Hotel and 110 Cooper Street (City of Santa Cruz 2017). Therefore, there are other existing, approved, and under construction projects with similar or slightly greater heights than the proposed project, and existing City plans allow for height up to 85 feet under

specified conditions in the immediate vicinity of the proposed project. Thus, the proposed building height for the residential portion of the building, which exceeds the allowable additional building height, would not in and of itself be considered an unusual feature of the project because other buildings of similar size exist, are under construction, or could be constructed under existing city plans and regulations on similarly sized, infill sites as the proposed project.

The proposed project's building height for the residential portion of the project would visually appear as a taller building with one or two stories visible behind existing buildings on Pacific Avenue. Given other buildings approved and being constructed in the downtown area and elsewhere in the city, the additional height would not, when viewed in proximity of other larger buildings, be considered an unusual circumstance. Additionally, the taller portion of the building is primarily confined to the eastern edge of the site, with lower building heights that are consistent with City standards being located along the Cedar Street frontage. This is consistent with the *Downtown Plan*'s standards call for horizontal and vertical variation to create the appearance of multiple buildings that are more in keeping with the surrounding area. The Plan states that "Additional height – even up to 85 feet in the Additional Height Zone A – can be absorbed appropriately if it is confined to a portion of a property, rather than as a massive block, terraced back from the street."

As indicated in the Downtown Plan Amendments EIR, there is no required presumption under CEQA that taller buildings are necessarily a substantial adverse change in the existing visual environment. Such determinations are made on a case-by-case basis at a lead agency's discretion and in consideration of the relevant environmental setting or context, which here, is a nearly fully developed urban area. Future proposed buildings with additional height would not be considered to be substantially out of scale with other existing buildings in the downtown area (City of Santa Cruz 2017).

The proposed project would not block scenic views, such as ocean views or distant mountain views as described in the General Plan and Downtown Plan Amendments EIR, nor affect scenic resources adjacent to a designated scenic highway, the primary consideration for identifying potentially significant impacts related to aesthetics. In an urbanized area, which the City is under the definition of the term in CEQA Guidelines section 15387, a project that results in conflicts with applicable zoning and other regulations governing scenic quality also could be considered a significant impact. However, there are no regulations governing scenic quality applicable to the project site. There are some regulations regarding scenic views in the coastal zone, but the project is not located in the coastal zone.

As indicated above, the additional height allowed by an approved waiver pursuant to the density bonus law would not be considered to conflict with zoning standards, and therefore, the heights allowed under the waiver would not be considered an unusual circumstance as similar density bonus and waiver requests have been approved in the City in which new building heights have extended to 85 feet. Furthermore, CEQA (Public Resources Code section 21099) states that aesthetic impacts of a residential, mixed-use residential, or employment center project on an in-fill site within a transit priority area shall not be considered significant impacts on the environment, although design review would still be required pursuant to local City requirements and regulations. The project site is considered an in-fill site and also is located within a transit priority area. City staff has reviewed the project and made the required findings for issuance of a Design Permit.

**Heritage Tree Removal.** The project involves the removal of 12 non-native trees, nine of which are heritage trees subject to approval of a Heritage Tree Removal Permit as discussed above in Section II.B. The project

landscape plan includes planting of 14 canopy, 24-inch-box-sized street trees, which exceeds replanting requirements for removal of nine heritage trees. As indicated in Section II.B, the proposed removal of heritage trees was found to meet the City's criteria for removal, and the project will replant trees in excess of the amount removed.

Removal of heritage trees is permitted by City regulations under specified circumstances and with required tree replanting at ratios specified by the City. Approval of a heritage tree removal permit automatically requires replacement trees or payment of an in-lieu fee. Removal of a heritage tree that is consistent with the criteria, provisions, and requirements set forth in City regulations would not result in a conflict with a local ordinance, and thus, removal of heritage trees consistent with City regulations and requirements would not be considered a significant impact of the project or an unusual circumstance.

The proposed heritage tree removal is similar to other approved projects in the downtown area and throughout the City that have also included removal of heritage trees and replanting replacement trees. Most infill sites have been previously developed and include some trees and landscaping, and thus, the presence of heritage trees on the project site does not represent an unusual feature or circumstance. Other project sites with recently approved Heritage Tree Removal Permits include but are not limited to: Pacific Front Mixed-Use Project site that is under construction (two heritage trees); the approved Riverfront Project (eight heritage trees) approved 190 West Cliff Drive mixed-use project (11 heritage trees); and 415 Natural Bridges Affordable Housing Project (four heritage trees.

Removal of heritage trees would not result in a significant impact due to unusual circumstances as properties and projects throughout the City are able to remove heritage trees through compliance with the criteria for removal, approval of permit, and replanting replacement trees as required by City regulations. Thus, the project and its location do not differ from other projects of any type and location throughout the City that are bound by the same regulations. In addition, the trees themselves do not represent an unusual feature. All trees are non-native and planted as part of the parking lot landscaping or street trees. While several trees are larger trees and visible along Cedar Street and in the immediate vicinity of the project site, the trees are not visible from a wide-ranging area, are not visually prominent or distinctive, and are not considered scenic resources. The trees do not represent a significant or prominent visual element of the surrounding area, and removal would not substantially alter the visual character of the area. While any tree may possess aesthetic qualities, the trees that would be removed are not unusual for the species nor are they visually distinctive or prominent from a wide area. Therefore, the trees would not be considered an unusual feature, and 13 replacement trees are proposed.

The trees on the project site could provide potential nesting habitat for migratory birds which are protected by the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code (CFGC). Compliance with the MBTA would require that either a pre-construction nesting survey be conducted to confirm that no nesting birds protected under the MBTA are present if trees or removed during the nesting season or to remove trees outside of the nesting season. Compliance with required regulations would not result in a significant impact. Furthermore, the City's *General Plan 2030* (Action NCR2.4.1 and Table 1) establishes biological survey protocols, including pre-construction nesting bird surveys if tree removal construction were to commence during the nesting season with establishment of appropriate construction buffers if needed if nesting birds are found. A standard project condition of approval requires Implementation of a pre-construction nesting survey, which

would be applicable to the proposed project. Compliance with this standard condition would avoid any harm to nesting birds on-site, if any are found during the survey.

Thus, removal of heritage trees at the project site would not be considered an unusual circumstance as heritage trees have been removed at other sites in the downtown area and throughout the City to accommodate mixed-use and other residential projects.

Other Potential Impacts. There is no substantial evidence that the proposed project would result in a significant impact as explained below. Therefore, there are no unusual circumstances related to the project or its surroundings that may lead to a significant effect on the environment.

The project site is located with an A99 Flood Zone as designated by the Federal Emergency Management Agency (FEMA), which also covers the entire downtown area and other parts of the City. This designation indicates that the project area is subject to inundation by a 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction federal flood protection system. A99 Zones are areas where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes (FEMA 2023), which in this case are improvements to the levee adjacent to the San Lorenzo River (City of Santa Cruz 2012b). For these reasons, the project site does not contain unusual hydrologic conditions or circumstances, and the project would not result in significant impacts related to drainage or water quality degradation.

Most mixed-use and other development projects throughout the downtown area are required to prepare a geotechnical investigation report (Cornerstone Earth Group 2022). The geotechnical investigation conducted for the project addressed identified issues related to liquefaction, ground deformation, and lateral spreading, and provided recommendations to address these concerns. Implementation of these recommendations would be verified through design documents that would be submitted to the City for review and approval prior to issuance of construction (grading or building) permits. The investigation concluded that the project is geotechnically feasible given the existing soil conditions and implementation of construction and design recommendations included in the geotechnical investigation. The investigation did not reveal any conditions that differ from other sites in the downtown area and throughout the city, and thus, there are no soils or geological features that would be considered unusual that aren't encountered at other sites throughout the City.

As explained in Section III.C, the project site is not located in a sensitive biological area, and the project would not result in impacts to biological resources as none exist on the project site or surrounding area.

The property is located within a sensitive archaeological area. A cultural resource evaluation was conducted, which included archival research and a surface reconnaissance. The archival research revealed that no previously recorded archaeological resources are located within the proposed project area. The project site does not contain historical resources as explained below in Section IV.F.

The project site is not located in a mapped fire hazard area per the City's *General Plan 2030* (City of Santa Cruz 2012a). Also, the project site not located in or near a state responsibility area or lands classified as very high fire hazard severity zones by the California Department of Forestry and Fire Protection (CAL FIRE 2007).

**Conclusion.** For these reasons explained above, there are no unusual circumstances surrounding the project or project site that would suggest a reasonable possibility of a significant effect on the environment due to such circumstances, and this exception does not apply to the project.

## D. Scenic Resources

Under CEQA Guidelines section 15300.2(d), a categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. The project site is not located adjacent to or near a highway; the nearest highway, Highway 1, is located approximately 0.4 miles northwest of the project site. Furthermore, there are no officially designated state scenic highways within the City (Caltrans 2023). Therefore, the project would not result in damage to scenic resources within an officially designated, state scenic highway, and this exception does not apply to the project.

## E. Hazardous Waste Sites

Under CEQA Guidelines section 15300.2(e), a categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to section 65962.5 of the Government Code (i.e., the Cortese List). The project site is not included on a list of hazardous waste sites compiled pursuant to Government Code section 65962.5. The following Cortese List online data resources (CalEPA 2023) were reviewed during the preparation of this document: (1) the list of hazardous waste and substances sites from the Department of Toxic Substances Control's (DTSC's) EnviroStor database (DTSC 2023a); (2) the list of leaking underground storage tank sites from the State Water Resources Control Board's (SWRCB's) GeoTracker database (SWRCB 2023a); (3) the list of solid waste disposal sites identified with Waste Constituent Above Hazardous Waste Levels Outside the Waste Management Unit (CalEPA 2023b); (4) the list of active Cease and Desist Orders and Cleanup and Abatement Orders from the SWRCB (SWRCB 2023b); and (5) the list of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code, identified by DTSC (CalEPA 2023c). In addition, an Environmental Site Assessment prepared for the project found that the project site is not located on any of the DTSC lists of hazardous materials sites and was not listed in any of the regulatory databases (Weber, Hayes & Associates 2022). Therefore, based on the above review, the project site is not included on any list compiled pursuant to Government Code section 65962.5 and this exception does not apply to the project.

It is noted that review of regulatory databases and local/state agency record repositories revealed there are a few chemical release sites in the general vicinity of the project site, but no documented sites with the potential to impact the project site were identified (Weber, Hayes & Associates 2022). However, a Phase I Environmental Site Assessment identified two dry cleaners with undocumented releases and a documented, low-level solvent plume present in shallow groundwater upgradient of the project site that has some potential to encroach (flow) beneath the site (Weber, Hayes & Associates 2022). A Phase II sampling and testing program was implemented to evaluate subsurface site conditions for potential contamination. No contaminated groundwater or vapor releases were found. The results showed that the bulk of the shallow soils (approximately one to three feet deep) across the project site were impacted with elevated concentrations of lead and arsenic that are from typical urban sources (lead-based paint and weed and rodent control). Most of the elevated metal concentrations are characterized as "non-hazardous" and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the project site exceeded residential (unrestricted) or commercial

land use screening threshold limits, but can be graded/removed and disposed of during development activities (Weber, Hayes & Associates 2022). The removal and disposal of these soils would be conducted in accordance and in compliance with applicable local and state regulations governing these activities; specifically future grading and soils removal would be required to be managed under an agency-approved Soil Management Plan (SMP) under the direction of the County of Santa Cruz Environmental Health Department.

## F. Historical Resources

Under CEQA Guidelines section 15300.2(f), a categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource. CEQA Guidelines Section 15064.5 defines a historical resource as:

- A resource listed in, or determined to be eligible for listing in, the California Register of Historical Resources (CRHR);
- A resource listed in a local register of historical resources.
- Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California…Generally, a resource shall be considered by the lead agency to be :historically significant." Generally, a resource is considered historically significant if it meets criteria for listing in the California Register of Historical Resources, including:
  - Is associated with events that made a significant contribution to the broad patterns of California's history and cultural heritage.
  - Is associated with the lives of people important in our past.
  - Embodies the distinctive characteristics of a type, period, region, or method of construction, represents the work of an important creative individual, or possesses high artistic values.
  - Has yielded or may be likely to yield information important in prehistory or history; OR
  - A resource determined to be a historical resource by a project's lead agency.

According to maps developed for the City's *General Plan 2030*, the project site is not located within a designated historic district (City of Santa Cruz 2012a). However, the project site is located in an area mapped as archaeologically sensitive per the City's *General Plan 2030* and contains one structure that is older than 50 years old.

A historical resources evaluation was conducted for the existing commercial building at 113 Lincoln Street that was constructed in 1941. The building has been altered considerably with a 1980 storefront remodeling campaign, removal of the original entrance, and a 1986 rear addition. Given the changes made to what was a modest original design, the evaluation found that the building no longer possess sufficient historic integrity of setting, design, materials, workmanship feeling and association for it to qualify for listing on the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR). The evaluation also concluded that the existing building on the project site is not eligible for the Santa Cruz Historic Resources Inventory because the building does not meet City preservation criteria and has been altered substantially (PAST Consultants 2022). Therefore, the existing structure on the project site is not a historical resource under the definition of CEQA.

An archaeological investigation for the project concluded that potentially significant cultural materials may be located in the project area and recommended an extended site evaluation to locate subsurface resources, consisting of trenches to the depths of impacts in locations where historic maps indicate potential resources (Albion 2022). An extended testing program was undertaken that consisted of trenches throughout the project site. The testing found five historical-period features in the west central portion of the project site, and the results indicate that much of the site contains intermittent, shallow, and thin sheet deposit of scattered historical period artifacts associated with the mid- to late nineteenth and early to mid-twentieth century. The location and characteristics suggest these are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid-twentieth century. No prehistoric archaeological materials of any kind were found during the testing (Dudek 2023).

Evaluation of the five features concluded that they do not rise to a level where they could be found eligible for listing under the California Register of Historical Resources (CRHR) criteria and integrity requirements or under local criteria. Specifically, the features cannot be associated with a significant contribution to the broad patterns of California's history and cultural heritage or with the lives of persons important in our past. As relative casual dumping events, there are no distinctive characteristics present, and the features clearly do not represent the work of an important creative individual, nor do they possess high artistic values. As numerous other examples of such deposits exist with greater integrity and historic associations, the features are not likely to yield information important to history. Therefore, these resources are not considered historical resources under CEQA (Dudek 2023). The project site was tested, except for the area covered by the existing building. There is a moderate potential for encountering additional similar artifacts during construction. While it is not expected that additional deposits would meet the definition of a historical resource, archaeological monitoring during grading is recommended.

Based on this information, the project would not result in a substantial adverse change to the significance of a historic resource, and this exception does not apply to the project.

For these reasons, the City is able to document that the project qualifies for the Categorical Exemption found at CEQA Guidelines section 15332, the in-fill exemption, and that none of the potential exceptions to the use of a categorical exemption apply to this project or the project site.

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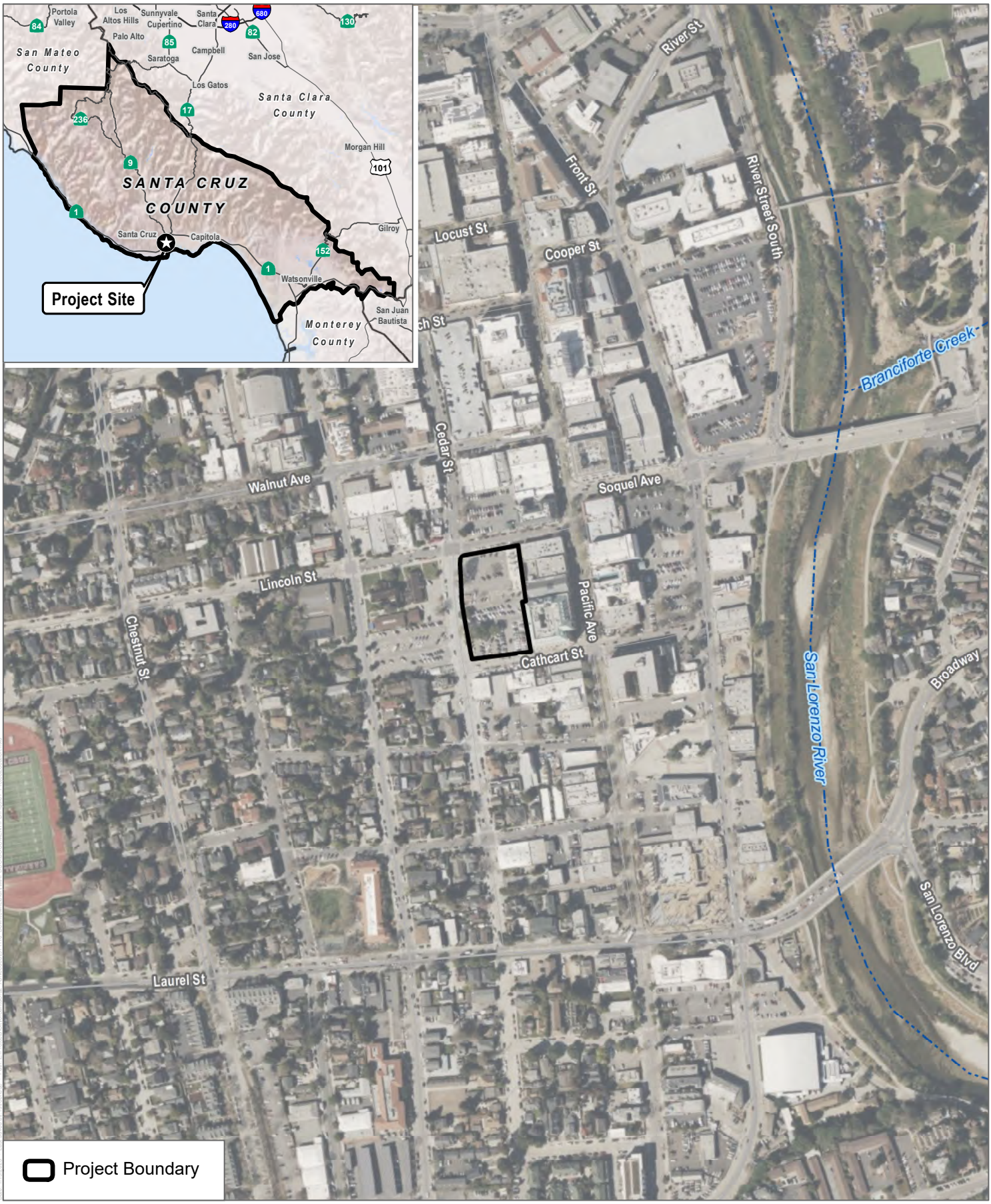



SOURCE: Bing Maps 2022, County of Santa Cruz 2020, OpenStreetMap

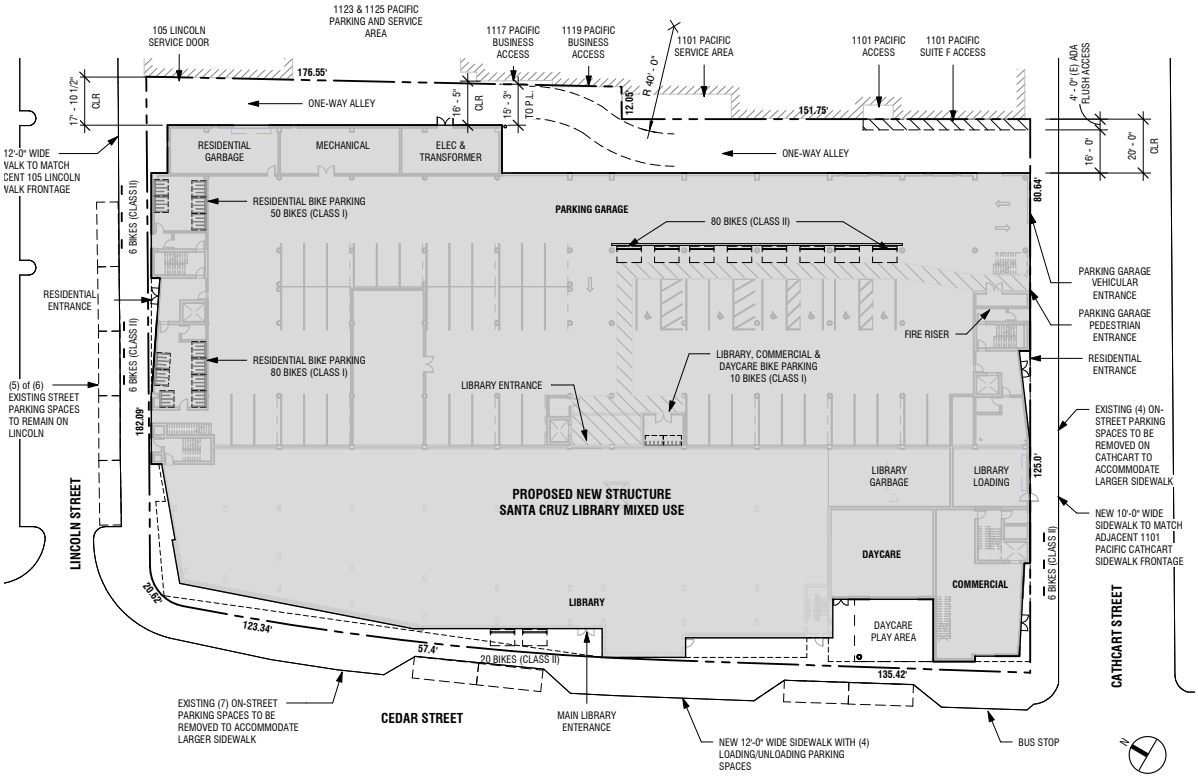
DUDEK

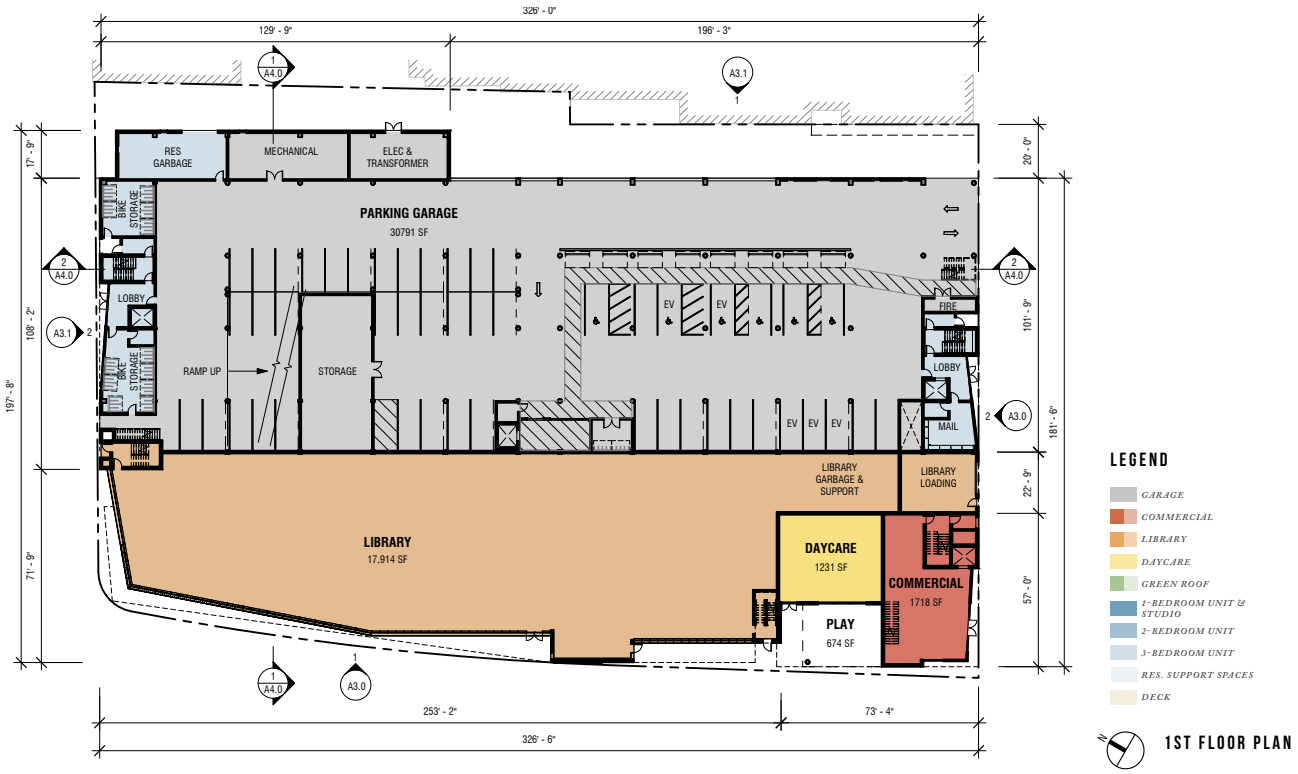
0 200 400 Feet

**FIGURE 1**

Project Location

Downtown Library and Affordable Housing Project




SOURCE: TenOver 2022

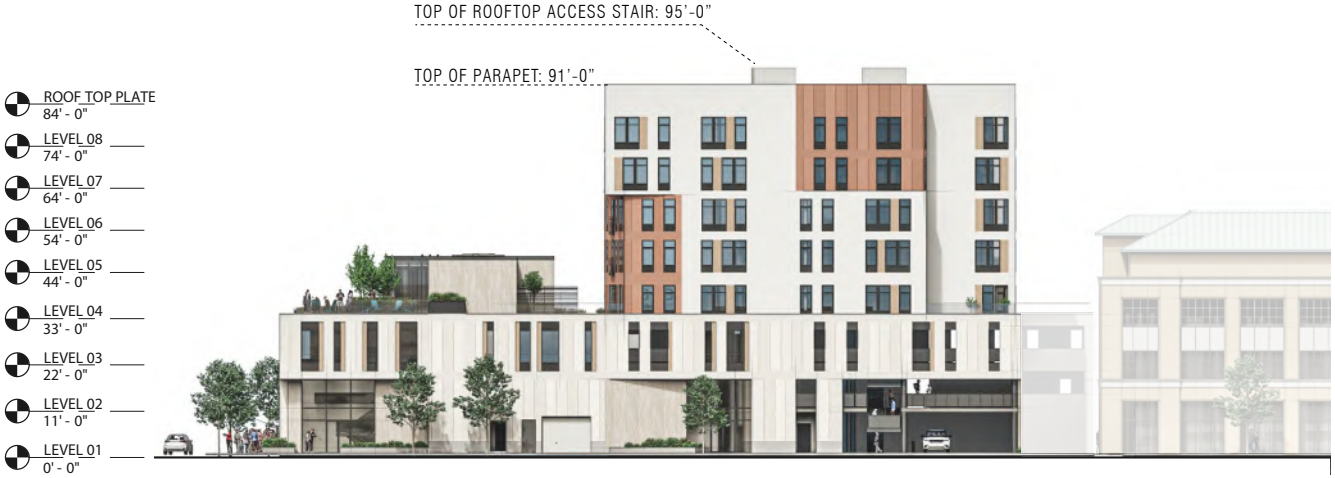
**FIGURE 2**

Project Site Plan

Downtown Library and Affordable Housing Project

DUDEK

1 WEST ELEVATION




2 SOUTH ELEVATION

SOURCE: TenOver 2022

DUDEK

**FIGURE 3A**

Project Elevations

Downtown Library and Affordable Housing Project

1 EAST ELEVATION

2 NORTH ELEVATION

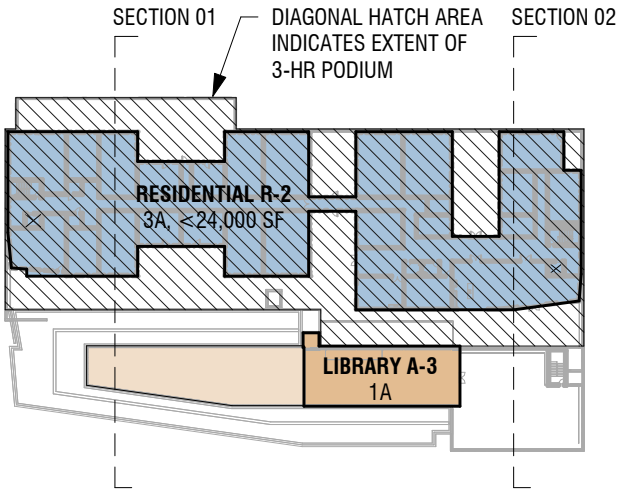
SOURCE: TenOver 2022

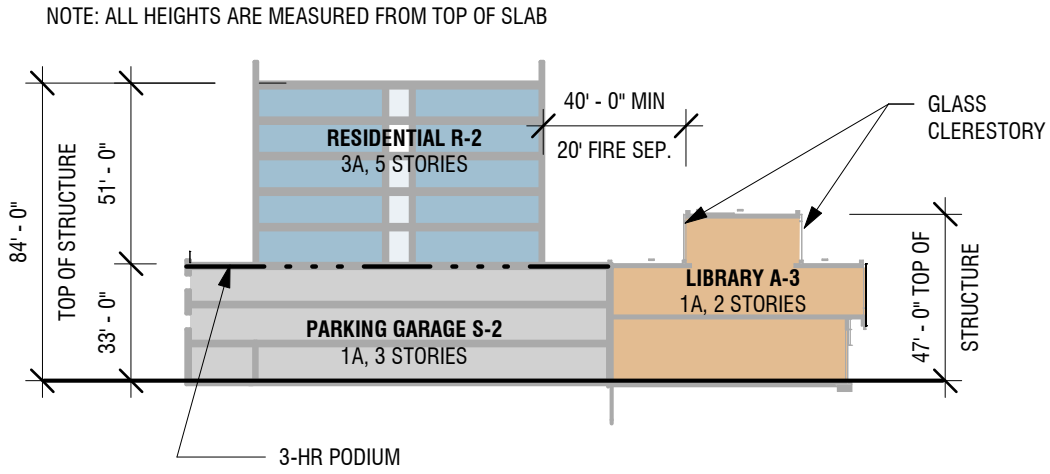
DUDEK

**FIGURE 3B**

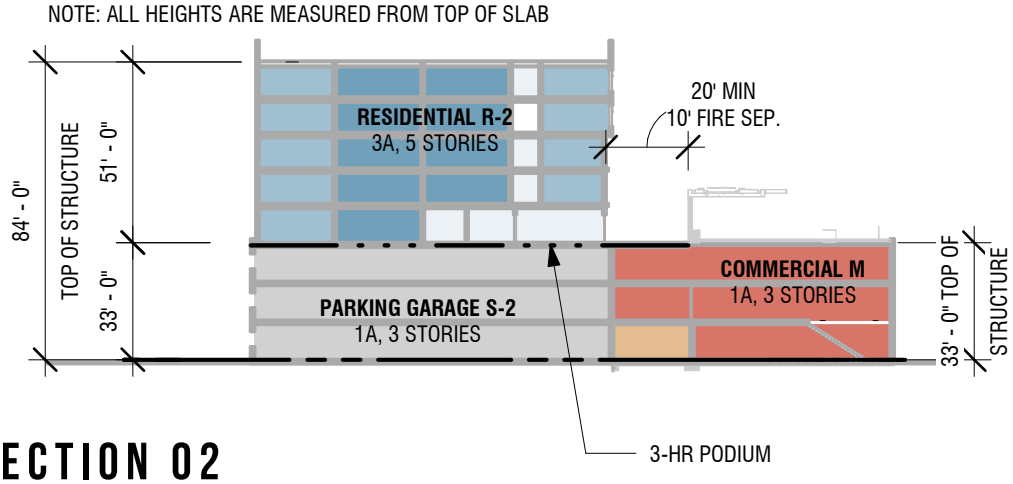
Project Elevations

530 Downtown Library and Affordable Housing ProjectStreet




## SECTION 01




## SECTION 02

SOURCE: TenOver 2022

**FIGURE 4**

Project Building Heights

Downtown Library and Affordable Housing Project

DUDEK

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# ATTACHMENT A

## City Review of Project Consistency with General Plan and Zone District Regulations

### General Plan Consistency

The project site has a General Plan Land Use designation of RVC (Regional Visitor Commercial), characterized in the General Plan as below:

> "Regional Visitor Commercial (RVC), 0.25 to 3.5 FAR. Applies to areas that emphasize a variety of commercial uses that serve Santa Cruz residents as well as visitors. Mixed-use development is strongly encouraged in RVC districts. Areas designated RVC include:
>
> - Downtown Santa Cruz, 0.25 to 5.0 FAR. Emphasizes a mix of regional office and retail uses, residential and mixed-use developments, restaurants, and visitor attractions such as entertainment venues. The Downtown Recovery Plan provides detailed requirements for this area.

The proposed mixed-use project conforms to, and fosters the attainment of, many goals and policies of the General Plan, including the following:

Goal LU3 A complementary balance of diverse land uses

- Land Use Development Policy LU3.1: Foster land use patterns that balance economic, housing, community, and environmental needs, and promote social diversity.
- Land Use Development Policy LU3.3: Develop, maintain, and encourage economically viable neighborhood-serving commercial districts. Cf. LU4.2.4 and ED5.2.
- Land Use Development Policy LU3.4 - In neighborhoods near visitor areas, give priority to uses that serve both visitors and residents.
- Land Use Development Policy LU3.7 - Encourage higher-intensity residential uses and maximum densities in accordance with the General Plan Land Use designations.
- Land Use Development Policy LU3.8 - Allow the following residential uses to exceed the maximum densities in this chapter
- Land Use Development Policy LU4.2 Encourage land use changes that reduce the need for autos.

Goal M1 Land use patterns, street design, parking, and access solutions that facilitate multiple transportation alternatives

- Mobility Development Policy M1.1 - Reduce automobile dependence by encouraging appropriate neighborhood and activity center development.
- Mobility Development Policy M1.3 - Create pedestrian-friendly frontage and streetscapes and attractive pedestrian-oriented areas.
- M4.2 Provide and maintain a complete, interconnected, safe, inviting, and efficient citywide bicycle network

- M4.4 Assure a high level of bicycle user amenities. Cf. PR1.6.4. M4.4.1 Maintain Zoning Ordinance and parking district requirements that require secure, covered bicycle parking and/or storage lockers at private and public facilities.
- M4.4.3 Increase the supply of bicycle parking throughout the city.

Goal ED1 A vibrant regional economic center

- Economic Development Policy ED1.1 Promote Santa Cruz as the principal retail, cultural, recreational, restaurant, entertainment, and commercial destination in the region.
- Economic Development Policy 5.2 - Provide for residents' daily shopping needs in local-serving neighborhood commercial centers.

Goal CC 8 Excellent educational opportunities and resources

- CC8.5 Provide free and equal access to City libraries.
- CC8.6 Strive for library collections that meet community needs.
- CC8.7 Expand the communication and information network in the
- City's libraries and optimize its quality.
- CC10.1 Encourage an adequate and diverse supply of childcare facilities
- and services citywide.
- CC10.2 Encourage development of accessible, affordable, and quality
- childcare facilities near public transportation, employment centers, and in the Downtown.

Goal NRC5 An enhanced and sustainable urban forest

- NRC5.1 Protect and manage tree resources in the urban environment, with emphasis on significant and heritage trees.

Goal H1: Encourage an adequate diversity in housing types and affordability levels to accommodate present and future housing needs of Santa Cruz residents.

- Policy 1.1 Provide adequate sites and supporting infrastructure to accommodate housing through land use, zoning, and specific plan designations that encourage a broad range of housing opportunities.
- Policy 1.2 Concentrate new housing in the Central Core, along major commercial corridors, and on major opportunity sites consistent with the Land Use Element.
- Policy 1.3 Facilitate the production of mixed residential-commercial uses through the use of appropriate development standards, design and compatibility review, and regulatory and financial incentives.
- Policy 1.4 Establish and maintain residential development standards that support housing production yet promote the vitality of established neighborhoods.

Goal H2: Increase and protect the supply of housing affordable to extremely low, very low, low, and moderate income households.

- Policy 2.2 Facilitate the development of affordable housing through the provision of regulatory concessions, financial incentives and assistance, density bonuses, and other means.
- Policy 2.5 Promote meaningful and informed participation of residents, community groups, and governmental agencies in local housing and community development activities.

Goal H4: Provide increased opportunities for low and moderate income residents to rent or purchase homes.

Goal H5: Improve housing and neighborhoods throughout Santa Cruz and in designated target areas.

- Policy 5.3 Ensure that the character and design of both infill development and remodel/rehabilitation projects promote the vitality of existing neighborhoods.
- Policy 5.4 Promote the overall vitality and livability of neighborhoods by providing adequate public services, community facilities, infrastructure, landscaping and open space, adequate parking, traffic management, pedestrian and bicycle routes, and public safety to meet the needs of each individual neighborhood, as well as by preventing and eliminating blighting conditions

Goal H6: Strive to fulfill the city's housing needs while promoting an environmentally sustainable, compact community with clearly defined urban boundaries.

- Policy 6.1 Ensure a compatible relationship between new housing and circulation patterns and encourage pedestrian and bicycle friendly communities in order to minimize traffic impacts on quality of life.
- Policy 6.7 Promote transit-oriented, mixed-use residential developments that are close to services, reduce dependence on automobile use, and are of high quality

As a mixed-used development encompassing a new public library; commercial tenant space; childcare facility; approximately 243-space structured parking; and residential complex incorporating 124 residences, including studio-, one-, two- and three-bedroom residential units, situated in the City's urban core, the project demonstrates consistency with the stated purpose of the CBD zone district, Cedar Street Village Corridor subarea and General Plan land use designations. The project would exceed the specified unit density of both the Zoning Ordinance as well as the General Plan but would conform to provisions of AB1763 and State Density Bonus Law, as specified above.

## Zoning Consistency

The project site occurs on land contained in the CBD (Central Business District) zone district, Cedar Street Village Corridor subarea and has a General Plan land use designation of RVC (Regional Visitor Commercial). Section 24.10.2300 of the City's Zoning Code states the following in reference to the purpose of the *Downtown Plan* in implementing the City's aspirations for the Central Business District:

> "This part implements the Land Use Plan, Development Standards and Design Guidelines of the *Downtown Plan* (Plan), a specific plan. It is intended to refine the Plan in the area of land use and regulations. It supports the purpose of the Plan, in the context of the General Plan, which aims to maintain downtown the urban center of the city, with the many functions a city center serves. This chapter of the Zoning Ordinance is also part of the Local Coastal Implementation Plan.
>
> The Central Business District Zone of the *Downtown Plan* is divided into four subareas, in order to enhance the character of each by special consideration of the character of each. A fifth area, CBD Subdistrict E, Lower Pacific Avenue, implements the policies of the Beach and South of Laurel Plan and is separate from the *Downtown Plan*."

The *Downtown Plan* additionally establishes a vision for the City's downtown core as embodied in the First Principles originally introduced in the *Downtown Plan* in 1991 and refined in the years thereafter. An excerpt of the Vision appears below:

> "Vibrant, vital and active, the central business district constitutes the primary retail, commercial, professional and employment center for the City of Santa Cruz. This compact, high-density area is home to unique businesses, offering residents and visitors a diverse and wholesome environment for commercial, cultural, civic and social pursuits. Local, regional and national businesses combine in a potent blend, making the downtown a major destination for the entire region.
>
> "A range of housing types is integrated into the downtown. This urban-density housing provides both market-rate and affordable units, and expands the immediate market for downtown goods, services and public transportation. The economic and social vitality of the downtown has a positive effect on the surrounding areas and the entire community."

The project site occurs on land with the Cedar Street Village Corridor subarea of the *Downtown Plan*, which the *Downtown Plan* characterizes as follows:

> "The Cedar Street Corridor is immediately west of the Pacific Avenue Retail District. The area provides an appropriate transition in scale and use between the downtown and the adjacent residential neighborhoods and the civic center. In contrast to Front Street, which plays a destinational retail role, Cedar Street serves as a more local-serving street with a mixture of professional offices, support and convenience retail, and restaurant uses. Unlike Pacific Avenue, which developed in a relatively consistent manner with a strong "street wall" of buildings, Cedar Street is more diverse in nature, with a mixture of one and two-story structures of varied setbacks. Many of the buildings are wood frame structures with a strong residential character."
>
> "[A]ll parking structures in this subarea are required to step down to 35 feet adjacent to public streets. Upper-level residential uses are particularly encouraged within the Cedar Street subarea to intensify the resident population of the downtown and to create an appropriate land use transition to the adjacent neighborhoods.

Except for the increase in height proposed though request for an incentive/concession and waiver, the proposed project complies with all standards of the Zoning Ordinance.

# ATTACHMENT B

## Comparison of City Mixed-Use Projects

**City of Santa Cruz Approved and Under Construction Mixed-Use/Residential and Affordable Housing Projects**

| Project | Site Size | DUs / Density | Height (in feet) | Number of Total Trees / Heritage Trees Removed | Density Bonus Request |
|---|---|---|---|---|---|
| **Downtown** | | | | | |
| • Front-Laurel | 1.4 acres | 205 / 146 du/ac | 55-85 | 15 / 2 | Yes |
| • Pacific Station South | 0.5 acres | 85 / 170 du/ac | 80 | 0 | Yes |
| • 523 Center St | 0.77 acres | 65 / 84 du/ac | 48.5 | 0 | No |
| • Riverfront Project | 0.98 acres | 175 / 179 du/ac | 81 | 25 / 8 | Yes |
| • Pacific Station North | 0.7 acre | 94 / 134 du/ac | 7 stories | 0 | Yes |
| • 1013 Pacific | 0.122 acres | 17 / 139 du/ac | 4 stories | 0 | Yes |
| • 130 Center (not in *Downtown Plan* area) | 1.19 acres | 233 / 196 du/ac | 75 | 0 | Yes |
| • 555 Pacific [1] | 0.8 acres | 94 / 118 du/ac | 4 stories | 1 / 1 | No |
| • Park Pacific-1547 Pacific [1] | 0.53 acres | 66 / 125 du/ac | 56 | 1 / 1 | No |
| **Other Parts of City** | | | | | |
| • 831 Water | 0.9 acres | 145 / 159 du/ac | 60 | 0 | Yes |
| • 915 Water | 0.58 acres | 105 / 181 du/ac | 48 | 2 / 2 | Yes |
| • 150 Felker | 0.4 acres | 32 / 80 du/ac | 50 | 6 / 6 | Yes |
| • 314 Jessie Street | 0.4 acres | 50 / 116 du/ac | 4 stores | 0 | Yes |
| • 190 W Cliff Drive | 2.2 acres | 89 / 40 du/ac | 4 stores | 55/11 | Yes |

[1] Constructed and in operation.

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# Phase I Cultural Resources Inventory

## for the Santa Cruz Library Project, Santa Cruz

## Santa Cruz County, California

Prepared for Weber, Hayes & Associates

ALBION

MARCH 2022 FINAL

# **Phase I Cultural Resources Inventory** for the Santa Cruz Library Project, Santa Cruz, Santa Cruz County, California

MARCH 2022 FINAL
J2022-006.01
Photo Credit: Matthew Manigault

**Prepared for**

Shaun Ersoy
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**Prepared by**

Stella D'Oro, MA, RPA

Albion Environmental, Inc.
1414 Soquel Avenue, Suite 205
Santa Cruz, California 95062

# Executive Summary

In January 2022, Weber, Hayes & Associates contracted with Albion Environmental, Inc. (Albion) to conduct a cultural resources assessment of an approximately 1.5-acre Project Area at APN 005141-21 and APN 005141-11 (Project Area) located in downtown Santa Cruz, California. The owners are proposing to demolish the existing parking lot and commercial building for a new downtown library and mixed-use project (Project).

Albion's investigation included archival research, a background records search at the California Historical Resources Information System's Northwest Information Center at Sonoma State University (NWIC), and a field investigation entailing pedestrian survey. Albion designed the investigation to address treatment of cultural resources under current guidelines outlined by the City of Santa Cruz General Plan (2030; Chapter 2, HA1.2), City of Santa Cruz Historic Preservation Ordinance 2003-14, and California Environmental Quality Act (CEQA) guidelines.

A search of records at the NWIC indicated that no archaeological resources have been previously identified within the Project Area. Ten resources have been recorded within a $^1/_4$-mile radius of the Project Area. No archaeological studies have been conducted within the Project Area and five archaeological studies have been conducted within a 500-foot radius of the Project Area. Visual inspection of the Project Area surface revealed no evidence of precolonial or historic-era artifacts or intact archaeological deposits.

Visual inspection of the Project Area surface revealed no evidence of precolonial or historic-era artifacts or intact archaeological deposits. Albion's background research of historic maps suggests that the Project Area has a high potential to contain historic-era archaeological deposits. According to historic maps, the Project Area was developed prior to 1886. For precolonial resources, it is Albion's judgement that the Project Area has medium to high potential to contain buried archaeological deposits. The Baywood loam soils mapped in the Project Area are Holocene in age and the San Lorenzo River is located approximately 755 feet east of the Project Area; therefore, the study area holds a medium to high sensitivity for buried archaeological sites.

Albion's investigation indicates that potentially significant cultural materials may be located in the Project Area. Albion, therefore, recommends an Extended Phase I evaluation to locate subsurface resources. Our methodology includes strategically targeting trenches to the depths of impacts in locations where historic maps indicate potential resources.

Since many important cultural resources, such as Tribal Cultural Resources, do not necessarily leave an archaeological footprint or have physically identifiable manifestations, it is vital to seek out information regarding the possible presence of these important resources and their locations through consultation with local Tribal members. Under the authority of Assembly Bill 52, the City of Santa Cruz (City) may have received information from interested Native American tribes or representatives concerning Tribal Cultural Resources at the Project site. The City is responsible for

collecting and incorporating Tribal information into the environmental review process. At this time, Albion does not know if the City has received any such information.

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A Records Search Results

# Introduction

# 1

This report documents the results of a cultural resource assessment of an approximately 1.5-acre Project Area at APN 005141-21 and APN 005141-11 in downtown Santa Cruz, California. The owners are proposing to demolish the existing parking lot and commercial building for a new downtown library and mixed-use project.

Albion was contracted to conduct a cultural resource assessment that comprised four tasks: (1) archival research; (2) a review of records from the Northwest Information Center of the California Historical Resources Information System at Sonoma State University (NWIC); (3) a surface survey of the parcel; and (4) a report of findings and recommendations for the City of Santa Cruz Planning Department.

Albion designed the investigation to address treatment of cultural resources under current guidelines outlined by the City of Santa Cruz General Plan (2030; Chapter 2, HA1.2), City of Santa Cruz Historic Preservation Ordinance 2003-14, and California Environmental Quality Act (CEQA) guidelines. All work was conducted in accordance with guidelines and regulations set forth in CEQA.

The records search was requested by Albion Senior Archaeologist Stella D'Oro in January 2022 and was conducted by Justin Murazzo (NWIC File No.: 21-1197). The subsequent pedestrian survey was conducted on February 9, 2022, by Albion archaeologist Matthew Paul Manigault, who earned a BA in Anthropology and has worked in California archaeology for 10 years. Mr. Manigault conducted the fieldwork under the supervision of Stella D'Oro, who holds an MA in Applied Anthropology and has been working in California archaeology for 17 years.

# Project Location and Description

# 2

The Project Area consists of a 1.5-acre area located on two parcels (APN 005141-21 and APN 005141-11), in Santa Cruz, California. The Project Area is bordered on the north by Lincoln Street, on the west by Cedar Street, and on the south by Cathcart Street (Figure 1). The Project Area is relatively flat and approximately 10 feet (3 m) above sea level. The built environment includes a commercial building currently occupied by Toadal Fitness, a parking lot, and 10 trees interspersed throughout the parking lot. The nearest water source is the San Lorenzo River, located approximately 755 feet (230 m) east of the Project Area.

The owners are proposing to demolish the existing parking lot and commercial building to construct a new library. Although the plans for depths of impacts have not been decided yet, below are the following options:

- **Mat Foundation Option with Soil Improvement** – This foundation option would have varying foundation thickness from 24 to 40 inches thick, in some spots, usually over an aggregate sub base and soil improvement. Often the soil improvement is uniformly spaced at around 8 feet on-center (o.c.) and extend to bedrock anywhere from 25 to 60 feet depending on the site.
- **Mat Foundation Option without Soil Improvement** – This foundation option would have varying foundation thickness from 24 to 40 inches thick, in some spots, usually over an aggregate sub base. Soil improvement may not be required if more detailed liquefaction analysis is provided for the project by the Geotechnical Engineer.
- **Spread Footing Foundation with Soil Improvement** – Spread footings would be located under concrete column and wall elements varying in depth from 24 to 40 inches. These often are located on native material. Often the soil improvement is concentrated under the footings and uniformly spaced at around 8 feet o.c. under the slab-on-grade. The soil improvement typically extends to bedrock anywhere from 25 to 60 feet depending on the site.
- **Spread Footing Foundation without Soil Improvement** - Spread footings would be located under concrete column and wall elements varying in depth from 24 to 40 inches. These often are located on native material. Soil improvement may not be required if more detailed liquefaction analysis is provided for the project by the Geotechnical Engineer.

Figure 1. Location map

File name: Figure_1.ai, J2022-00X.01, Stella D'Oro, 26January2022

# Sources Consulted

# 3

## RECORDS SEARCH

Justin Murazzo, Researcher for the NWIC, provided the results of a records search for cultural resources within a $^{1}/_{4}$-mile radius of the Project Area and for studies within a 500-foot radius of the Project Area on January 31, 2022 (Appendix A). In addition to official maps and records, the following sources of information were consulted as part of the records search:

- Built Environment Resources Directory (BERD), which includes:
  - National Register of Historic Places (NRHP)
  - California Historical Landmarks
  - Office of Historic Preservation Historic Properties Directory
- Office of Historic Preservation Archaeological Determinations of Eligibility
- California Inventory of Historical Resources
- Special Research Collections at the UCSC and UCSB Libraries (aerial images and historic maps)

### BERD

One hundred fifty-seven (157) properties are listed on the Directory within a $^{1}/_{8}$-mile radius of the Project Area. The properties are discussed below.

Ninety-three (93) properties are contributors to a multi-component resource like a district listed in the National Register by the Keeper:

- 313 Cedar Street, built in 1910
- 315 Cedar Street, built in 1910
- 317 Cedar Street, built in 1910
- 403 Cedar Street, built in 1910
- 408 Cedar Street, built in 1870
- 411 Cedar Street, built in 1865
- 417 Cedar Street, built in 1860
- 418 Cedar Street, built in 1880
- 419 Cedar Street, built in 1910
- 324 Center Street, built in 1915
- 408 Center Street, built in 1880
- 412 Center Street, built in 1910
- 415 Center Street, built in 1870
- 416 Center Street, built in 1900
- 419 Center Street, built in 1860
- 505 Center Street, built in 1870

- 506 Center Street, built in 1910
- 508 Center Street, built in 1915
- 509 Center Street, built in 1930
- 510 Center Street, built in 1915
- 512 Center Street, built in 1920
- 516 Center Street, built in 1930
- 346 Church Street, built in 1877
- 210 Elm Street, built in 1860
- 211 Elm Street, built in 1905
- 213 Elm Street, built in 1905
- 214 Elm Street, built in 1870
- 215 Elm Street, built in 1905
- 219 Elm Street, built in 1905
- 307 Elm Street, built in 1885
- 311 Elm Street, built in 1860
- 312 Elm Street, built in 1930
- 315 Elm Street, built in 1865
- 316 Elm Street, built in 1920
- 320 Elm Street, built in 1905
- 314 Lincoln Street, built in 1900
- 315 Lincoln Street, built in 1910
- 326 Lincoln Street, built in 1890
- 329 Lincoln Street, built in 1884
- 402 Lincoln Street, built in 1905
- 406 Lincoln Street, built in 1895
- 408 Lincoln Street, built in 1865
- 410 Lincoln Street, built in 1860
- 412 Lincoln Street, built in 1894
- 413 Lincoln Street, built in 1870
- 120 Maple Street, built in 1910
- 126 Maple Street, built in 1910
- 130 Maple Street, built in 1910
- 201 Maple Street, built in 1875
- 209 Maple Street, built in 1905
- 211 Maple Street, built in 1870
- 220 Maple Street, built in 1890
- 304 Maple Street, built in 1910
- 308 Maple Street, built in 1915
- 312 Maple Street, built in 1885
- 318 Maple Street, built in 1895
- 322 Maple Street, built in 1876
- 115 New Street, built in 1870
- 209 Walnut Avenue, built in 1895
- 211 Walnut Avenue, built in 1895
- 215 Walnut Avenue, built in 1890
- 219 Walnut Avenue, built in 1895
- 223 Walnut Avenue, built in 1890
- 231 Walnut Avenue, built in 1910
- 234 Walnut Avenue, built in 1877
- 235 Walnut Avenue, built in 1870
- 236 Walnut Avenue, built in 1870
- 239 Walnut Avenue, built in 1900
- 240 Walnut Avenue, built in 1885
- 241 Walnut Avenue, built in 1877
- 244 Walnut Avenue, built in 1885
- 245 Walnut Avenue, built in 1895
- 249 Walnut Avenue, built in 1870
- 508 Washington Street, built in 1900
- 511 Washington Street, built in 1925
- 512 Washington Street, built in 1900
- 514 Washington Street, built in 1900
- 515 Washington Street, built in 1925
- 518 Washington Street, built in 1900
- 519 Washington Street, built in 1930
- 525 Washington Street, built in 1900
- 603 Washington Street, built in 1900

- 607 Washington Street, no date
- 609 Washington Street, built in 1910
- 612 Washington Street, built in 1915
- 615 Washington Street, built in 1918
- 616 Washington Street, built in 1890
- 619 Washington Street, built in 1870
- 620 Washington Street, built in 1870
- 621 Washington Street, built in 1880
- 701 Washington Street, built in 1890
- 707 Washington Street, built in 1880
- 708 Washington Street, built in 1884

Two properties are individually listed in the National Register by the Keeper. The properties are also listed in the California Register:

- 118 Cooper Street, built in 1882
- 1111 Pacific Avenue, built in 1908

Three properties were determined eligible for the National Register by consensus through the Section 106 process and are listed in the California Register:

- 809 Center Street, built in 1936
- 1214 Pacific Avenue, built in 1910
- 1344 Pacific Avenue, built in 1928

One property was individually determined eligible for the National Register by Part 1 Tax Certification. The property is listed in the California Register:

- 115 Cooper Street, built in 1894

One property appears eligible for National Register individually through survey evaluation:

- 1208 Pacific Avenue, built in 1910

Thirty (30) properties were removed from the National Register by the Keeper:

- 107 Cooper Street, built in 1894
- 110 Cooper Street, built in 1894
- 703 Front Street, built in 1925
- 1110 Pacific Avenue, built in 1900
- 1115 Pacific Avenue, built in 1910
- 1116 Pacific Avenue, built in 1906
- 1121 Pacific Avenue, built in 1910
- 1122 Pacific Avenue, built in 1936
- 1128 Pacific Avenue, built in 1936
- 1129 Pacific Avenue, built in 1937
- 1134 Pacific Avenue, built in 1884
- 1201 Pacific Avenue, built in 194
- 1220 Pacific Avenue, built in 1887
- 1230 Pacific Avenue, built in 1956
- 1306 Pacific Avenue, built in 1956
- 1308 Pacific Avenue, built in 1956
- 1319 Pacific Avenue, built in 1973
- 1320 Pacific Avenue, built in 1960

- 1325 Pacific Avenue, built in 1973
- 1330 Pacific Avenue, built in 1929
- 1335 Pacific Avenue, built in 1977
- 1339 Pacific Avenue, built in 1979
- 1345 Pacific Avenue, built in 1883
- 1349 Pacific Avenue, built in 1890
- 1359 Pacific Avenue, built in 1890
- 1364 Pacific Avenue, built in 1900
- 1367 Pacific Avenue, built in 1875
- 1374 Pacific Avenue, built in 1875
- 1415 Pacific Avenue, built in 1910
- 102 Walnut Avenue, built in 1920

Nineteen (19) properties were determined ineligible for the National Register by the State Historic Resource Commission or the Keeper:

- 320 Cedar Street, built in 1945
- 407 Cedar Street, built in 1920
- 412 Cedar Street, built in 1980
- 409 Center Street, built in 1940
- 513 Center Street, built in 1970
- 208 Elm Street, built in 1940
- 314 Elm Street, built in 1980
- 323 Elm Street, built in 1920
- 705 Front Street, built in 1936
- 316 Lincoln Street, built in 1960
- 324 Lincoln Street, built in 1960
- 325 Lincoln Street, built in 1970
- 330 Lincoln Street, built in 1880
- 122 Maple Street, no date
- 401 Maple Street, built in 1960
- 604 Washington Street, built in 1940
- 608 Washington Street, built in 1950
- 704 Washington Street, built in 1950

715 Washington Street, built in 1950

One property was determined ineligible for the National Register by consensus through the Section 106 process and has not been evaluated for the California Register or local listing:

- 112 Elm Street, built in 1860

Seven properties were identified in Reconnaissance Level Survey or in an Area of Potential Effect, but have not been evaluated:

- 532 Center Street, built in 1864
- 117 Elm Street, built in 1912
- 208 Lincoln Street, built in 1870
- 115 Maple Street, built in 1910
- 210 Maple Street, built in 1920
- 205 Walnut Avenue, built in 1884
- 232 Walnut Avenue, built in 1877

## OFFICE OF HISTORIC PRESERVATION ARCHAEOLOGICAL DETERMINATIONS OF ELIGIBILITY

No properties are listed on the Archaeological Determinations of Eligibility Directory within a $^1/_4$-mile radius of the Project Area.

## CALIFORNIA INVENTORY OF HISTORICAL RESOURCES

Four properties are listed on the Directory within a $^1/_4$-mile radius of the Project Area. They are listed below.

- The Cavalry Episcopal Church on Lincoln and Center Streets is listed as having an architectural theme.
- 249 Walnut Avenue, the Hihn-Cope House, is listed as having an economic/industrial theme.
- The Octagon Building on the corner of Front and Cooper Streets is listed as having an architectural theme.
- The Santa Cruz Hotel at the corner of Locust and Cedar Streets is listed as having an economical/industrial theme.

## PREVIOUSLY CONDUCTED CULTURAL RESOURCE STUDIES

According to the NWIC, no cultural resource studies have been conducted within the Project Area.

NWIC indicates five cultural resource studies have been previously conducted within a 500-foot radius of the Project Area. The previous studies are listed in Table 1 below.

Table 1. Cultural Resource Studies Conducted Within a 500-Foot Radius of the Project Area.

| Report No. | Citation Title | Authors | Citation Year |
|---|---|---|---|
| S-026569 | Historic Architectural Survey Report, AT&T Wireless Services Site ID# 960008037C-Downtown Santa Cruz, 1101 Pacific Avenue, Santa Cruz, Santa Cruz County, California | R. Windmiller | 2003 |
| S-026667 | 1010 Pacific Avenue, APN 005-152-19, -20 &-21 (letter report) | M. Doane | 2002 |
| S-030779 | Collocation ("CO") Submission Packet, FCC Form 621, Downtown Santa Cruz, SF-16610A | D. E. Supernowicz | 2005 |
| S-039563 | Collocation Submission Packet and a Cultural Resource Study of the Downtown Santa Cruz; CNU3493; 1101 Pacific Street, Santa Cruz | L. Billat | 2012 |
| S-049916 | Cultural Resources Assessment for the Santa Cruz Crown Castle DAS Project, Santa Cruz, Santa Cruz County, California (BCR Consulting Project No. SYN1609) (letter report) | D. Brunzell | 2017 |

## PREVIOUSLY RECORDED CULTURAL RESOURCES

The records search identified no cultural resources located within the Project Area and 10 previously recorded resources located within a $^{1}/_{4}$-mile radius of the Project Area. All of the resources are historic. The resources are listed in Table 2 below.

Table 2. Previously Recorded Cultural Resources Within a $^{1}/_{4}$-Mile Radius of the Project Area.

| Resource No. | Trinomial | Resource Description | Recorded By | Proximity to Project Area |
|---|---|---|---|---|
| P-44-000214 | CA-SCR-212H | The Octagon Building built in 1882 | Cooper (1979) | 275 meters northeast of the Project Area |
| P-44-000227 | None | Hotel Metropole built in 1908 | Peterson (1978) | Adjacent and east of the Project Area |
| P-44-000247 | CA-SCR-245H | County Bank of Santa Cruz built in 1894 | McGregor (1981a) | 2 meters north of the Project Area |
| P-44-000250 | CA-SCR-248H | Cope Row Houses built in 1894 | McGregor (1981b) | 250 meters west of the Project Area |
| P-44-000269 | CA-SCR-267H | Concentration of historic artifacts relating to Chinatown and other activities | Detlefs (1984) | 305 meters northeast of the Project Area |
| P-44-000554 | None | Commercial building constructed in 1953 | Billat (2002) | 162 meters northwest of the Project Area |
| P-44-000853 | None | Pacific Garden Mall with various addresses on Pacific Avenue, Cooper Street, and Front Street | Pearson (1985) | 70 meters northeast of the Project Area |
| P-44-000939 | None | Downtown Historic District | Mathews et al. (1989) | 58 meters west of the Project Area |
| P-44-000972 | None | Historic artifacts from the early 20th Century | Peelo (2014) | |
| P-44-001128 | None | San Lorenzo River Bridge built in 1968 | Blackmore and Stewart (2014) | 352 meters southeast of the Project Area |

## HISTORICAL IMAGERY

Albion conducted an online search of historic maps and aerials and found information pertinent to the Project Area from the following:

- 1853 US Coast Survey map
- 1860 GLO plat map

- 1886 Sanborn map
- 1888 Sanborn map
- 1892 Sanborn map
- 1905 Sanborn map
- 1915 Sanborn map
- 1940 aerial photograph
- 1944 plat map
- 1947 plat map
- 1956 aerial photograph
- 1957 Sanborn map
- 1964 aerial photograph

# Background

# 4

## NATURAL ENVIRONMENT

The Project Area is relatively flat and approximately 10 feet (3 m) above sea level. The nearest water source is the San Lorenzo River, located approximately 755 feet (230 m) east of the Project Area. Soils in the area are characterized as Baywood loamy sand, 0 to 2 percent slopes (United States Department of Agriculture 2021). Baywood loamy sand consists of somewhat excessively drained soils formed by Eolian deposits. The stratigraphy is characterized by loamy sand from 0 to 61 inches below surface. Geological maps indicate the Project Area is within a Holocene floodplain.

## CULTURAL ENVIRONMENT

Prehistory of the southern San Francisco Bay area is complex due to the dramatic increase in human populations from middle to late Holocene times (Milliken et al. 2007). Cultural chronology is quite variable spatially but is generally framed within a tripartite sequence that is commonly used in central California—Early, Middle, and Late (Hylkema 2002; Milliken et al. 2007). These temporal periods are preceded by early to middle Holocene occupation, often characterized as the Millingstone era (Hylkema 2002; Milliken et al. 2007).

The Millingstone Period (9000–5500 years Before Present [BP]) (Ingram et al. 1996) is characterized by small groups who travelled widely and practiced broad spectrum foraging of easily acquired plant and animal resources. Artifacts common to this time period are handstones and millingstones. Flaked stone implements, such as projectile points, are much less common than grinding and battering tools (Fitzgerald 2000). Common foods are thought to have included a variety of small seeds, shellfish, and small mammals.

The Early Period ranges from approximately 5500–2500 BP and encompasses an era where people are thought to still have practiced wide ranging residential mobility but placed a greater emphasis on hunting larger game. Large pinnipeds, such as northern fur seal, are common to coastal archaeological sites during this time. Several styles of large projectile points correspond to this general time frame, which also marks the initial use of mortar and pestle technology.

The Middle Period dates from 2500–1000 BP and appears to represent a time when people were somewhat more residentially stable and practiced more logistical (short term) mobility (Milliken et al. 2007:106). By this time, people apparently went on extended resource acquisition forays for the purpose of bringing subsistence or trade items back to residential base camps. Large, terrestrial mammals were hunted more often during this time and grinding implements become more common (Milliken et al. 2007:107).

The Late Period begins at 1000 BP and extends to ca. 1550 BP (Hylkema 2002:33), or perhaps more recently. The Late Period is characterized by increased sociopolitical complexity and settlement centralization. Large village sites in the northern Santa Clara Valley are often found in the valley center along perennial streams (Bergthold 1982; Milliken et al. 2007). There is a continued prevalence of mortar and pestle technology, thought to signify a greater reliance on acorn than in earlier times. Other labor-intensive foods were also used with greater frequency during this latest time period (Hylkema 2002). For example, sea otter and harbor seal were exploited more heavily. These animals are thought to be more labor-intensive to capture compared to other pinnipeds and large mammals, which were more commonly hunted in earlier time. Bow and arrow technology is also believed to have been adopted by aboriginal hunters during this latest precolonial interval (Milliken et al. 2007:117).

# ETHNOGRAPHIC BACKGROUND

The Project Area was inhabited by Ohlone, or Costanoan populations (Levy 1978; Milliken et al. 2007). When first encountered by Spanish explorers, aboriginal inhabitants of the Bay Area and vicinity were referred to as *Costaños* (Levy 1978). The people came to be known as Costanoans (cf. Levy 1978), although now, the descendants of those earlier inhabitants prefer to be referred to as Ohlone (Bean 1994). Both terms refer to the language group spoken by the people, rather than any sort of political group. The Ohlone inhabited the San Francisco Peninsula, the East Bay to the Delta, and south past Santa Clara Valley to the coast of Monterey Bay.

At Spanish contact, aboriginal groups residing in the southern Bay Area were organized under a tribelet system where villages, thought to number around 50, were autonomous political units (Levy 1978). The Ohlone exploited all of the regional habitats including bay marshes, valley grasslands, mountainous uplands and open coastal environs. Resources exploited included elk, pronghorn, deer, sea mammals, salmon, trout, shellfish, ducks, geese, acorns, seeds, grasses, and roots (Baumhoff 1963).

# HISTORIC CONTEXT

## SPANISH MEXICAN PERIOD

### The Santa Cruz Mission

European occupation of Santa Cruz begins with the establishment of the *Misión la Exaltacion de la Santa Cruz*. The Mission, founded in 1791, was the twelfth Franciscan mission in *Alta California*. During the Spanish occupation, the current route of Mission Street was the main thoroughfare connecting Mission Santa Cruz to Santa Clara and Mission Dolores in San Francisco. The first mission chapel at Santa Cruz was a temporary structure of thatch and mud built close to the San Lorenzo River. Between 1793 and 1794, a more permanent adobe chapel was constructed on a high bluff overlooking the river. The site of the second church is where Holy Cross Church currently stands on Mission Hill.

By the early 19th century, a complex of mission buildings was erected around the chapel and the mission prospered with extensive gardens, a grist mill, and more than 4,000 head of cattle. Mission lands included a wide-ranging grazing area that extended as far as Año Nuevo more than 25 miles

north of Santa Cruz. The complex was bounded by current High, Emmet, Mission and Sylvar Streets. The church and the priests' quarters were located on what is now High Street. The women's quarters were on what is now known as School Street, while the storehouses and rooms for looms were located on Sylvar Street. Across School Street was an adobe building (still extant) thought to have been the mission guardhouse; this structure was later converted to a residence now known as the Neary-Rodriguez Adobe (Hoover et al. 1990). This building, located at 136 School Street, is the only remaining remnant of the 1793–1794 mission complex.

Damage to the church occurred in 1818 in response to threats of a pirate attack; the attack never occurred, but the church itself and many of its furnishings were damaged in the attempt to save mission property. In 1834, Governor Figueroa secularized the mission property. In 1840 an earthquake weakened the church walls, and in 1857 another tremor caused the structure to collapse entirely (Hoover et al. 1990).

### Villa de Branciforte

Established in 1797, *Villa de Branciforte* was one of the three original Spanish towns (*pueblos)* in Alta California, the others being San Jose (1776) and Los Angeles (1781). Named after the viceroy of New Spain, the Villa was intended to be a mixed community of active and retired Spanish soldiers as well as civilians who would defend the coast against incursions from enemy powers, (i.e., Russia and Britain). The padres at the nearby mission were vehemently opposed to the foundation of the Villa and offered little assistance to the new settlers. The Villa was located on the river terrace across the San Lorenzo River from the mission. The Villa's main thoroughfare, Branciforte Avenue, which was also used as a horserace track, was lined with crude huts, then adobe houses, some of which lasted until the middle of the 20th century (Reader 1997).

The community grew slowly due to the lack of support by the Spanish government and competition with nearby Mission Santa Cruz for cattle grazing lands. Gradually more immigrants arrived during the Mexican period (1823–1846) and the Villa grew from a population of 17 in 1807 to 194 in 1845 (Reader 1997). The Branciforte area was annexed into the City of Santa Cruz in 1905.

## AMERICAN PERIOD

Americans began to settle in Santa Cruz in the 1840s, introducing more industrial and commercial enterprise to the area. The lumber trade became an important business, necessitating the construction of a wharf. The business district soon grew up around the wharf, and Front Street became the principal business area. In 1860, the town of Santa Cruz was the county seat, with a population of 800 persons. Its shipping facilities were excellent; the wharf continued to encourage commercial growth and soon several sawmills and tanneries were operating at the edges of the town. The town of Santa Cruz was incorporated in 1866; the City was incorporated ten years later. Land use patterns of the Spanish and Mexican periods left a strong imprint on the development of the City. Parts of the former mission lands became ranchos and farms that were later subdivided into lots and ultimately into housing tracts. The primary residential area in the City of Santa Cruz was between Mission Hill and the wharf area, although homes were being built along the Coast Road (Mission Street) and around Mission Hill in the mid-19th century. In the 1870s, small farms and ranches were also built up along Mission Street beyond Bay Street.

In 1876, the narrow-gauge Santa Cruz Railroad line was completed from Santa Cruz to Watsonville, where it connected with the Southern Pacific line to San Francisco. Prior to that time, the primary mode of transportation for goods and passengers to Santa Cruz was by ocean steamer, although there was a toll road between Los Gatos and Santa Cruz. The completion of the Santa Cruz Railroad line was particularly important to the City, already well known for its exceptionally fine beaches, scenery, and weather, as it further opened the area to large numbers of tourists. Southern Pacific purchased the Santa Cruz Railroad line in 1881 for the express purpose of expanding its tourist business; by 1887 it ran two round trips per day between San Francisco and Santa Cruz. In 1906–1907, the narrow-gauge track was switched to standard gauge, giving railroad shipping a larger role in the development of the City.

By the mid-1870s, Santa Cruz was a popular resort city. Tourism was accelerated by the promotional activities of Fred Swanton, who owned and developed the boardwalk area. He also owned the Santa Cruz—Capitola Railroad Company, which contracted to build an electric railroad line from Santa Cruz to the beach in preparation for President Roosevelt's visit in May of 1903. In that year, he purchased the existing Neptune's Bath beachfront property and constructed several hundred resort cottages, as well as the huge casino and natatorium complex on the beach. By 1907, he had replaced the original casino and natatorium, which had been destroyed by fire, with the existing Mission Revival-style complex.

In the late 1800s the study area occupied a growing residential region between Santa Cruz proper and what was then known as Seabright, a resort community established by F.N. Mott (Koch 1999). Upon acquiring tracts of land between the San Lorenzo River and Arana Gulch, Mott laid out streets and building lots, establishing a somewhat self-supporting community served by its own post office, water supply, and railroad station. Seabright was officially annexed to the City of Santa Cruz in 1905. The area contained a number of low buildings and small residential cottages; however, larger, more elaborate homes were also built during this time, no doubt in response to tremendous economic growth experienced throughout the county. Many of these once-grand homes can be seen along streets of Santa Cruz's east side including Ocean View Avenue. Remnant historic structures, walls, privy pits and trash dumps are found throughout this part of the City and contribute to the historically sensitive nature of the area.

The opening of the highway from Los Gatos in 1915 caused a change in the nature of tourism in Santa Cruz. Families no longer stayed for weeks at a time in resorts and tent cities. With the advent of the automobile and the availability of good roads, tourists came for only a day or a weekend. While the growth of automobile-based tourist enterprises was eventually stimulated, the rail-based tourist businesses suffered. The net result was a temporary decline in the prosperity of Santa Cruz as it adjusted to the culture of the automobile. The Great Depression had less impact on Santa Cruz than it did elsewhere, largely because the primary base economy of the city had shifted from manufacturing to agriculture. The onset of World War II, however, brought a drastic decline to the tourism industry due to wartime travel restrictions and gasoline rationing.

## HISTORY OF THE PROJECT AREA

The Santa Cruz Harbor was surveyed in 1853 by A. W. Harrison at the request of the Superintendent of the US Coast Survey, Alexander Dallas Bache, the grandson of Benjamin Franklin (Clark 1986). An 1853 map shows that the Project parcel was within cultivated area (Figure 2).

A General Land Office (GLO) map from 1860 indicates the Project Area is within the Township 11S, Range 2W, in the northwest $^1/_4$ of the southeast $^1/_4$ of Section 13 (Figure 3). Public records indicate two patents were granted for Section 13. Joseph Leedoe Alemany patented the section on September 2, 1859, and Nicholas Dodero patented the section on June 7, 1866.

As indicated on an 1886 Sanborn Fire Insurance Map, eight parcels are within the Project Area, six of which contain structures (Figure 4). Dwellings and outbuildings are located at 40 and 41 Lincoln Street and at 37 Cedar Lane. At 1 and 2 Lincoln Street, there were two boarding houses; a privy is attached to the boarding house at 1 Lincoln Street and there is a detached privy at 2 Lincoln Street. A hen house is located in the east end of the parcel at 38 Cedar Lane, and a shed is located within the Project Area on the west end of the parcel at 17 and 18 Pacific Avenue.

A Sanborn map from 1888 indicates the parcels with dwellings and boarding houses had retained the same configuration with the exception that the privy behind the boarding house at 2 Lincoln Street moved from the far southern end of the parcel to just behind the boarding house. The hen house located at the eastern edge of 38 Cedar Lane had been replaced with a one- and two-story structure with a new address, 37 $^1/_2$ Cedar Lane. The shed located on the west end of parcel at 17 and 18 Pacific Avenue has an addition on the eastern side of it (Figure 5).

By 1892, a Sanborn map shows an additional outbuilding behind the boarding house at 1 Lincoln Street, but the address has changed to 17 Lincoln Street. The one- and two-story structure at 37 ½ Cedar Lane was removed, but there are two new structures on the eastern edge of the parcel at 37 Cedar Lane, one of which is labeled as a cabin. The west end of parcel at 17 and 18 Pacific Avenue includes additional unknown structures, most likely associated with the Wilkins House (Figure 6).

According to a Sanborn map from 1905, the outbuildings behind the dwelling at 25 Lincoln Street (formerly 40 Lincoln Street) had been attached. The structure outbuilding behind the dwelling, formerly a boarding house, at 17 Lincoln Street had been removed. The boarding house at 11 Lincoln Street had also become a dwelling and, lot became deeper, and a new outbuilding appears in the southwestern corner of the lot. The large lot at 38 Cedar Lane is subdivided, and a new structure appears on the southern boundary of the new lot at 29 Cedar Lane. The outbuilding that was in the southeastern edge of the lot at 11 Cedar Lane (formerly 37 Cedar Lane is gone and a new one appears in the northeastern corner of the lot. The lot at the same location expanded southward. The west end of parcel at 240 through 250 Pacific Avenue (17 and 18 Pacific Avenue) Becomes two structures, most likely associated with Grand Central, formerly the Wilkins House (Figure 7).

A Sanborn Map from 1915 shows the configuration of lots and structures the same as the 1905, with one exception: there is a new structure east of the shed at 250 Pacific Avenue (Figure 8).

An aerial photograph from 1940 shows the same configuration of structures as the 1915 Sanborn; however, there appears to be a structure in the lot south of 17 Lincoln Street. It should be noted that structures may be obscured by the presence of trees (Figure 9).

By 1944, a plat map indicates the lot lines were simplified from previous Sanborn maps. Helen W. Mitchell owned the lot in the northwest corner of the Project Area. Eva L. Abrams owns the narrow lot to the east of Ms. Mitchell's lot. There a appears to be an alley of unknown ownership in the northeast corner of the Project Area. A small portion in the western edge of the lot owned by Jeanne Rheim is included in the Project Area. The Project Area also includes the northwest section of

a lot owned by B&A Geoffrey et al. (the site of Grand Central in the 1915 Sanborn Map) and the majority of the lot in the southeast corner of the Project Area owned by the George H. Poehlmann Trust (Figure 10).

According to a plat map from 1947, ownership had changed little from the 1944 map with the following exceptions: the property owned by B&A Geoffrey et al. changed ownership to Graeme & M. B. McDonald, and the Poehlmann Trust sold the southern portion of the property to Pietro Valergo. The entirety of the Poelmann Trust is in the Project Area, while the majority of the Valergo property lies within the Project Area (Figure 11).

An aerial photograph from 1956 indicates the dwellings on Lincoln Street have been replaced with a parking lot in the northwest portion, two large structures in the center, and the alley in the northeast corner of the Project Area. The dwelling at 11 Cedar Lane still appears to be standing, however, there is a larger structure to the north of it. The southwestern portion of the Project Area had become a parking lot and the southeastern portion of the Project Area is occupied by the rear half of a large structure (Figure 12).

A 1957 Sanborn map lists new addresses for the structures in the Project Area. It also mirrors the parking lot configuration in the 1956 aerial. The structures in the northeast corner of the Project area are identified as stores, the one on the west is a frame building, while the store on the east is reinforced concrete with plastered walls. The alley remains where it has been in previous maps. The building at 616 Cedar Street is a two-story apartment building (The letter F indicates flats). There is a frame-built store at 612 Cedar Street and the old dwelling at 610 Cedar Street (formerly 11 Cedar Lane). The southeastern portion of the Project Area contains the mezzanine of a department store made of reinforced concrete (Figure 13).

An aerial photograph from 1964 shows the same configuration of structures as the 1957 Sanborn, except there are no longer any structures along Cedar Street. The entire Project Area had become a parking lot with the exception of the two stores and alley way along Lincoln Street and the mezzanine floor of the department store in the southeastern portion of the Project Area (Figure 14).

File name: Figure_2_1853.ai, J2022-006.01, Stella D'Oro, 16February2022

Figure 2. Detail of an 1853 US Coast Survey map of the Santa Cruz Harbor with the Project Area.

0 50 100 150 200
Meters

0 250 500 750 1,000
Feet

N

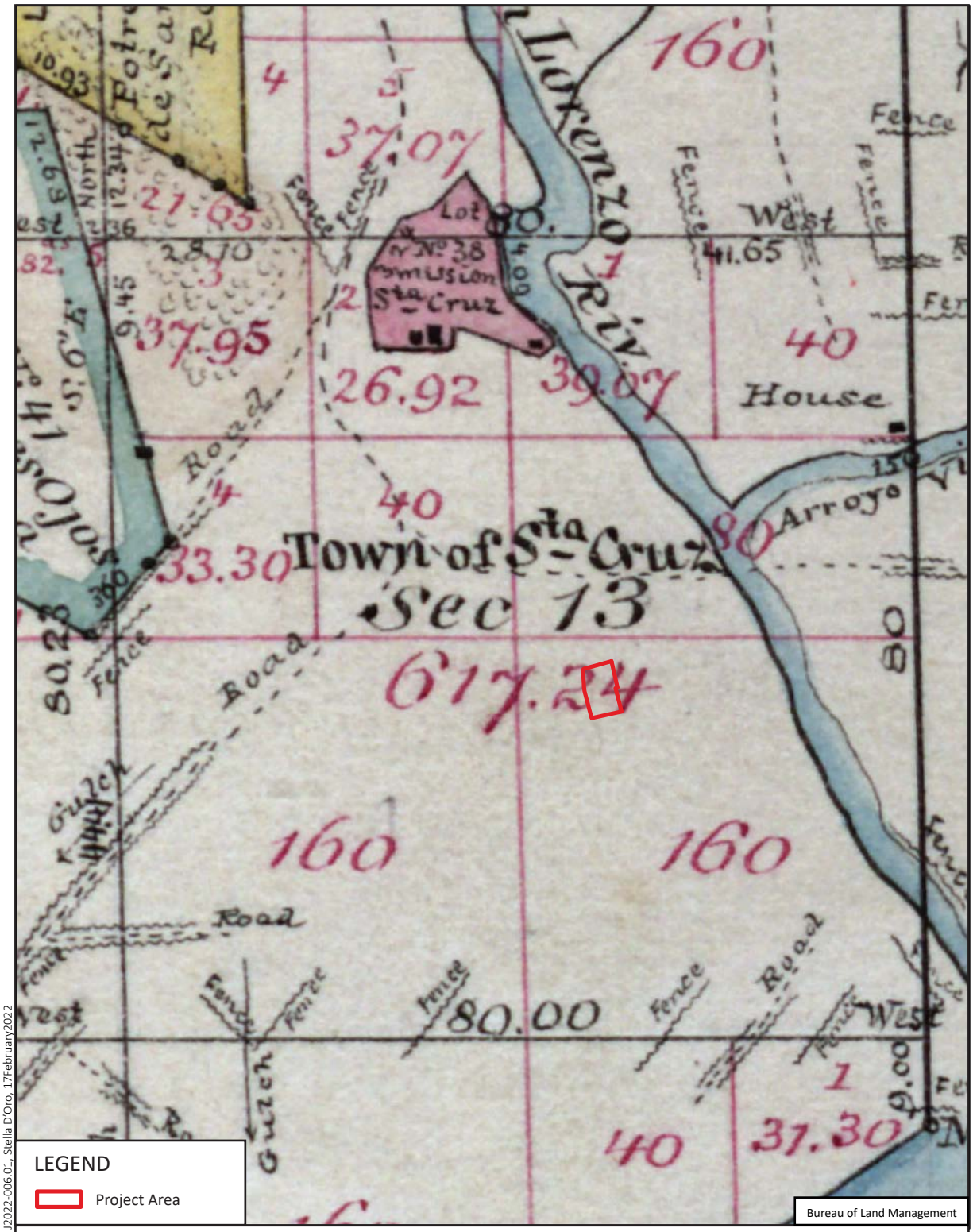



Figure 3. Detail of an 1860 GLO plat map with the Project Area.

0 100 200 300 400
Meters

0 500 1,000 1,500 2,000
Feet

N

File name: Figure_3_1860.ai, J2022-006.01, Stella D'Oro, 17February2022

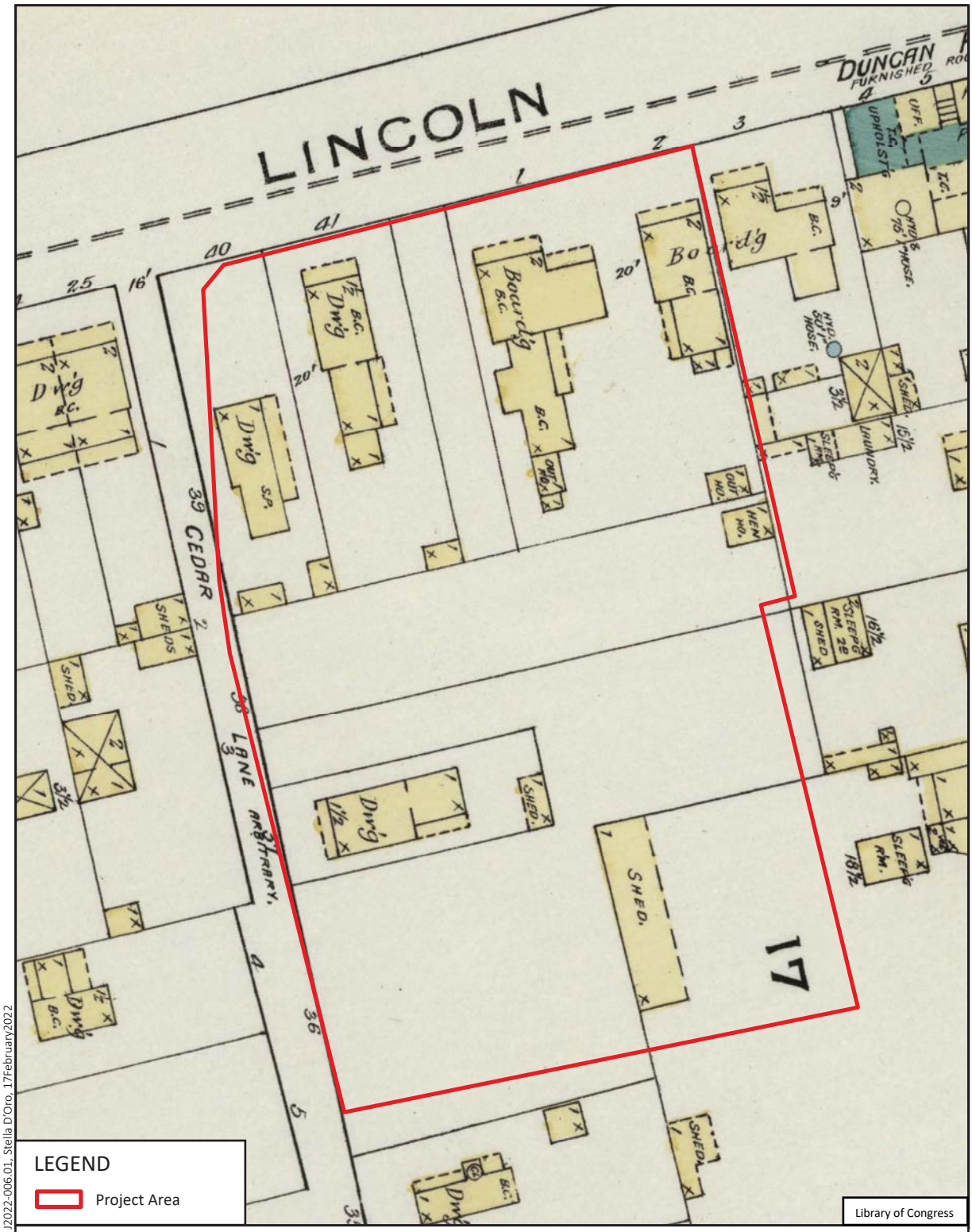



Figure 4. Detail of an 1886 Sanborn map with the Project Area.

0 5 10 15 20
Meters

0 25 50 75 100
Feet

N

File name: Figure_4_1886.ai, J2022-006.01, Stella D'Oro, 17February2022

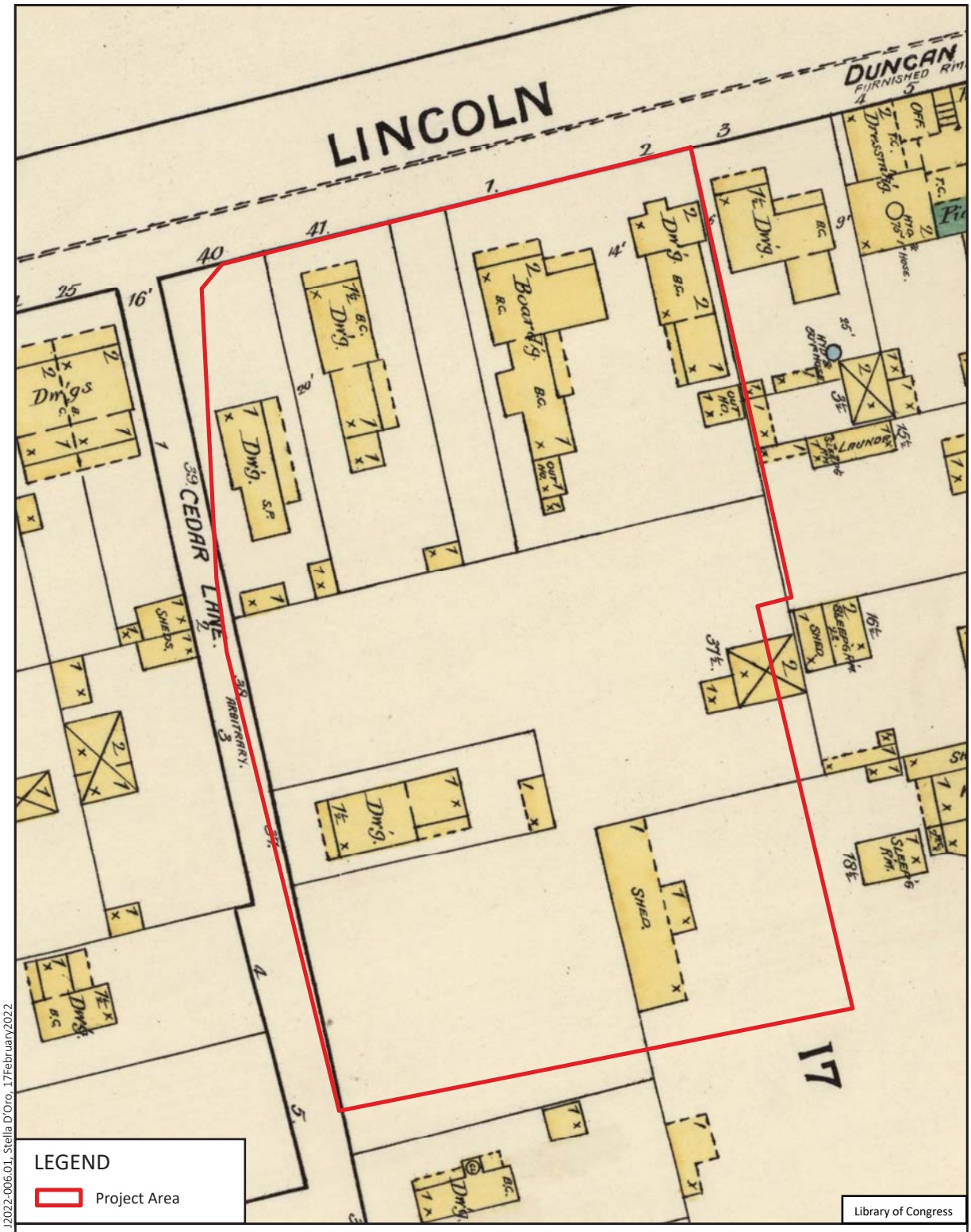



Figure 5. Detail of an 1888 Sanborn map with the Project Area.

File name: Figure_5_1888.ai, J2022-006.01, Stella D'Oro, 17February2022

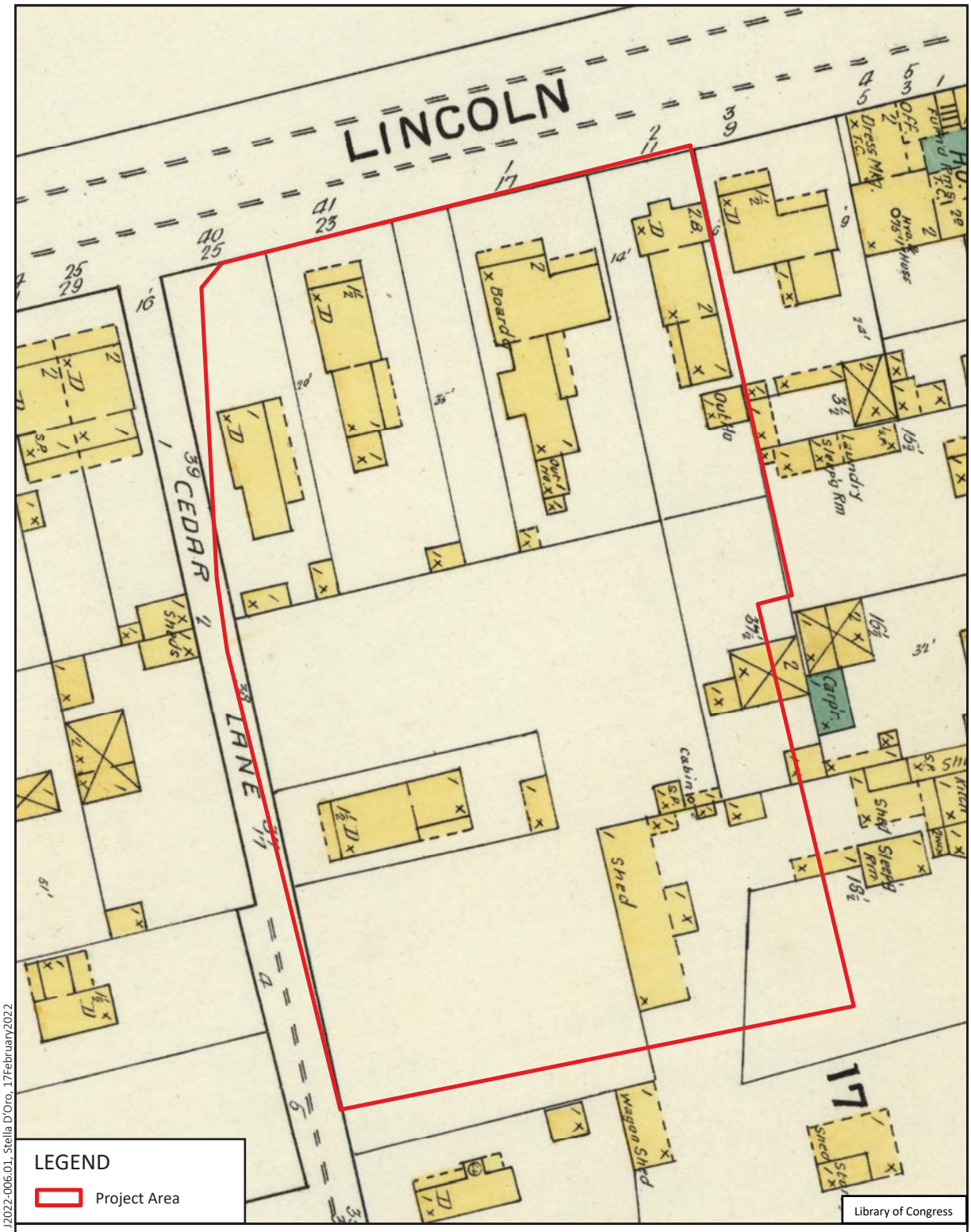



Figure 6. Detail of an 1892 Sanborn map with the Project Area.

File name: Figure_6_1892.ai, J2022-006.01, Stella D'Oro, 17February2022

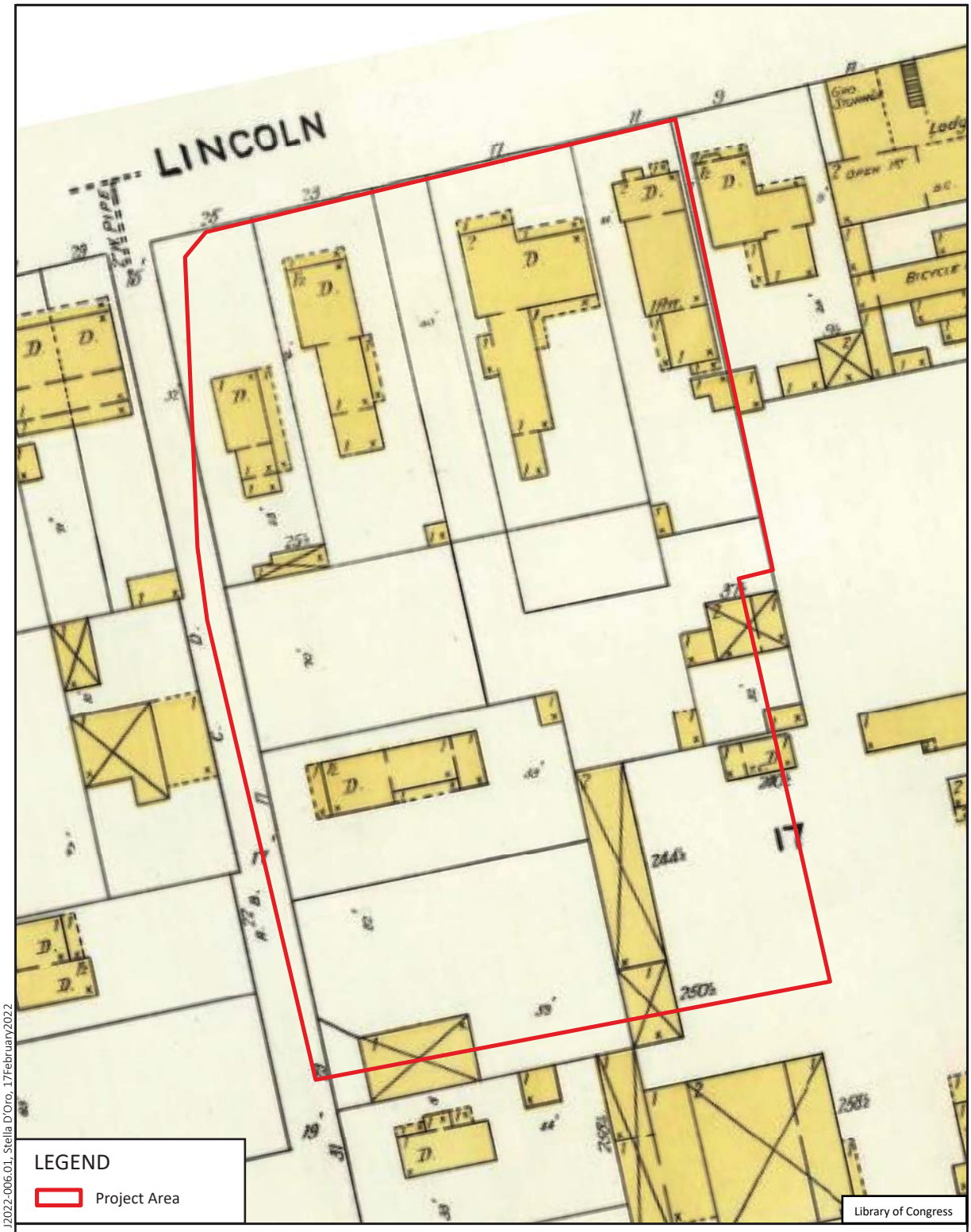



Figure 7. Detail of a 1905 Sanborn map with the Project Area.

0 5 10 15 20
Meters

0 25 50 75 100
Feet

N

File name: Figure_7_1905.ai, J2022-006.01, Stella D'Oro, 17February2022

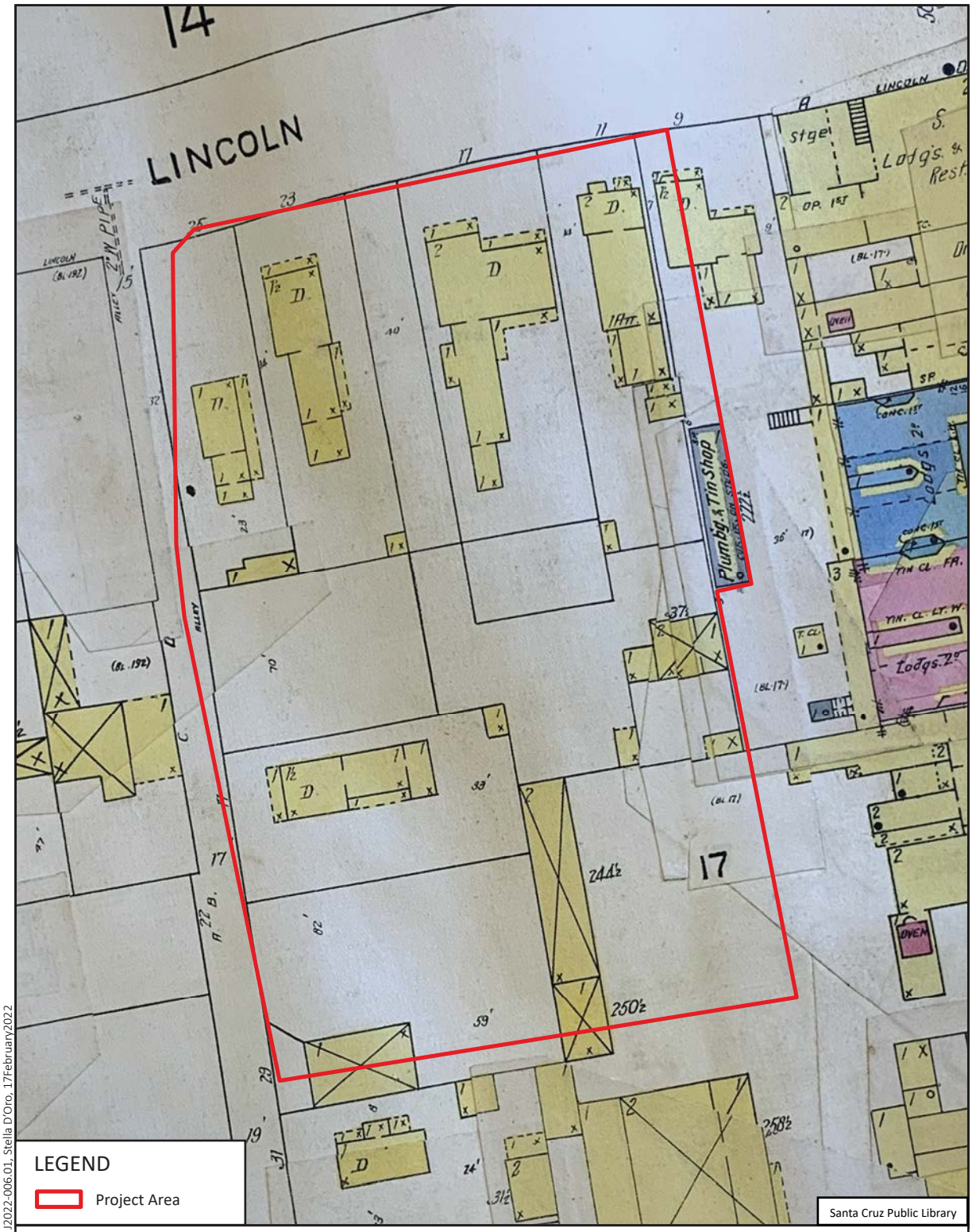



Figure 8. Detail of a 1915 Sanborn map with the Project Area.

0 5 10 15 20
Meters

0 25 50 75 100
Feet

N

File name: Figure_8_1915.ai, J2022-006.01, Stella D'Oro, 17February2022

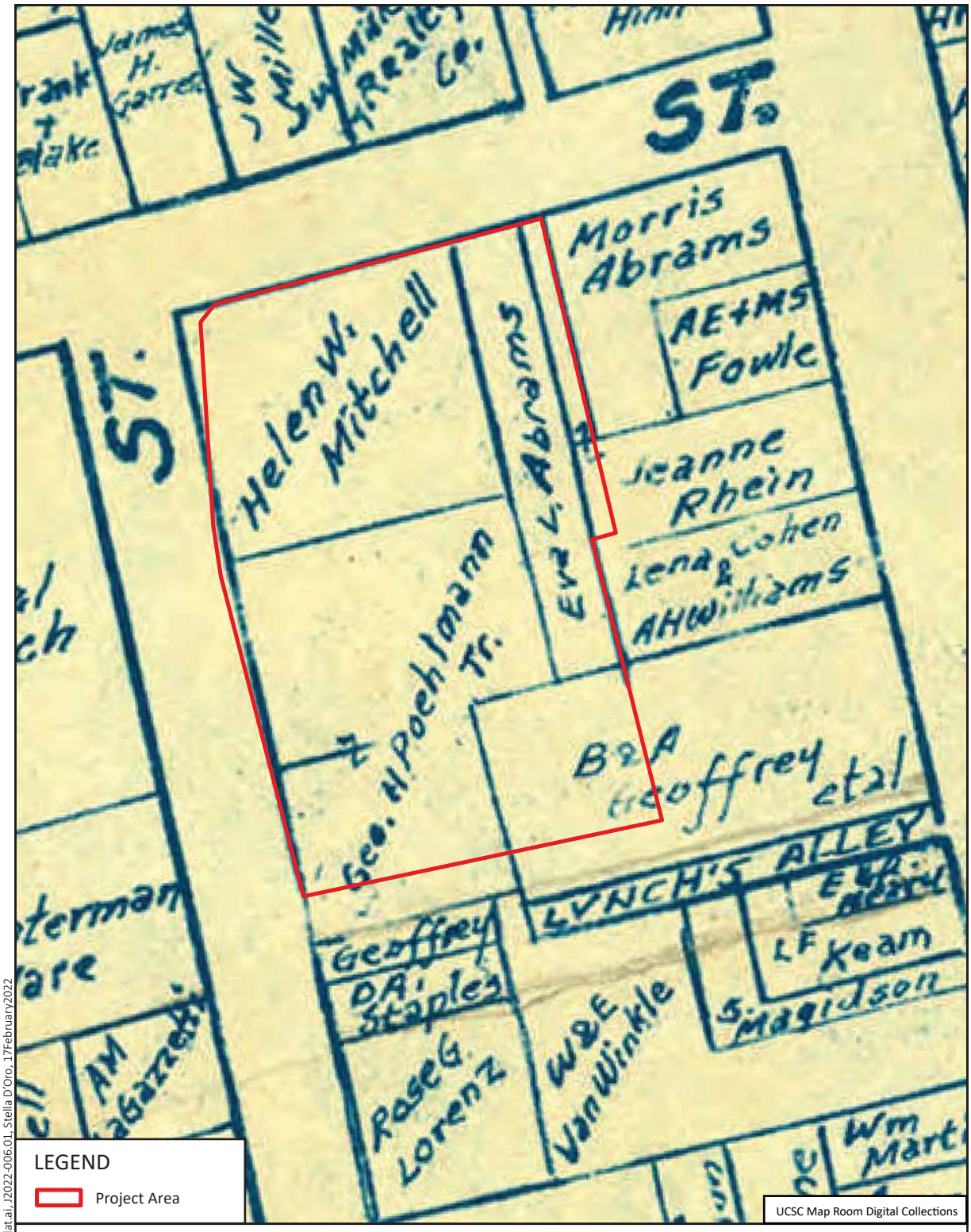
Figure 9. Detail of a 1940 aerial photograph with the Project Area.

0 10 20 30 40
Meters

0 50 100 150 200
Feet

N

File name: Figure_9_1940Aerial.ai, J2022-006.01, Stella D'Oro, 17February2022




File name: Figure_10_1944Plat.ai, J2022-006.01, Stella D'Oro, 17February2022

Figure 10. Detail of a 1944 plat map with the Project Area.

0 10 20 30 40
Meters

0 50 100 150 200
Feet

N

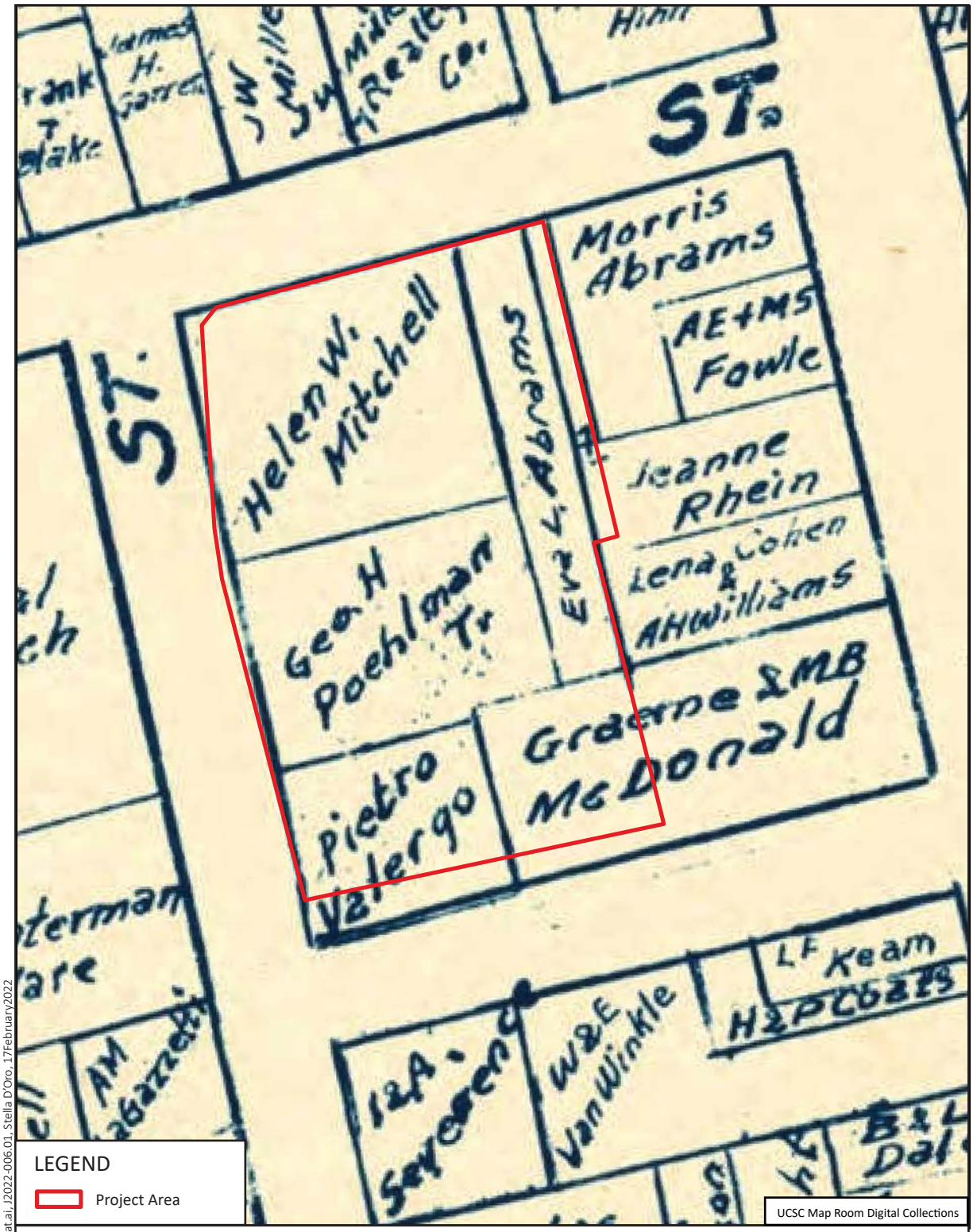



Figure 11. Detail of a 1947 plat map with the Project Area.

0 10 20 30 40
Meters

0 50 100 150 200
Feet

N

File name: Figure_11_1947Plat.ai, J2022-006.01, Stella D'Oro, 17February2022

Figure 12. Detail of a 1956 aerial photograph with the Project Area.

0 10 20 30 40
Meters

0 50 100 150 200
Feet

N

File name: Figure_12_1956Aerial.ai, J2022-006.01, Stella D'Oro, 17February2022

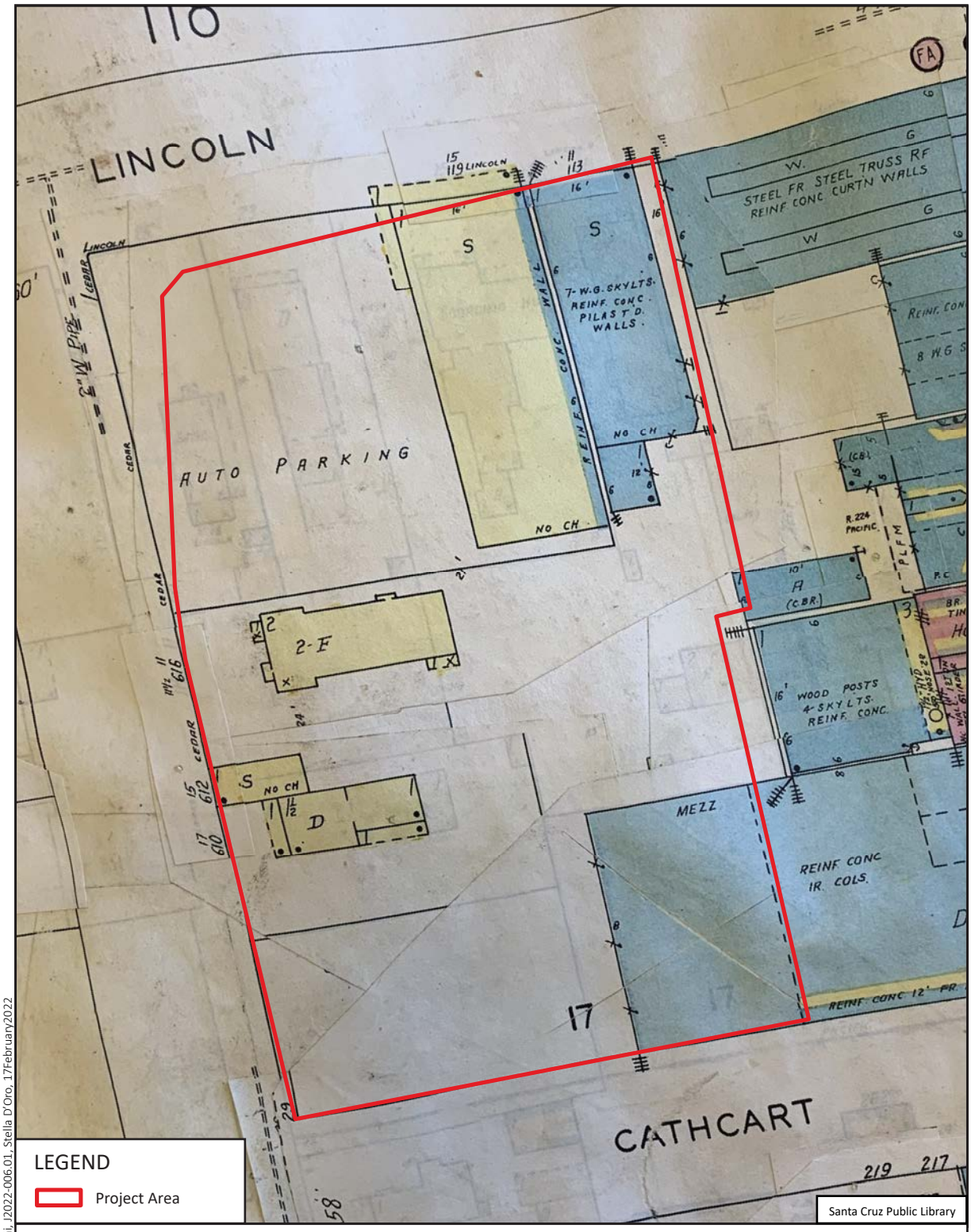



Figure 13. Detail of a 1957 Sanborn map with the Project Area.

0 5 10 15 20
Meters

0 25 50 75 100
Feet

N

File name: Figure_13_1957.ai, J2022-006.01, Stella D'Oro, 17February2022

Figure 14. Detail of a 1964 aerial photograph with the Project Area.

0 10 20 30 40
Meters

0 50 100 150 200
Feet

N

File name: Figure_14_1964Aerial.ai, J2022-006.01, Stella D'Oro, 17February2022

# Field Methods and Results

# 5

On February 9, 2022, Albion archaeologist Matthew Manigault conducted a pedestrian survey of the Project Area, which included a parking lot, one commercial building, parking signs, and sparse landscaping (Figures 15 and 16). Surface survey was conducted using 1-meter-wide (or less) transects across the Project Area while closely inspecting the surface for cultural materials. Visibility of the ground surface throughout all of the Project Area was poor due to the built environment.

Survey efforts did not locate any precolonial or historic-era resources. No archaeological materials were observed during the surface investigation of the Project Area.

Albion's background research of historic maps suggests that the Project Area has a high potential to contain historic-era archaeological deposits. According to historic maps, the Project Area was developed prior to 1886.

For precolonial resources, it is Albion's judgement that the Project Area has medium to high potential to contain buried archaeological deposits. The Baywood loam soils mapped in the Project Area are Holocene in age and the San Lorenzo River is located approximately 755 feet east of the Project Area; therefore, the study area holds a medium to high sensitivity for buried archaeological sites (Meyer et al. 2010).

Photograph 1. Overview of the Project Area, facing northwest.

Photograph 2. Overview of the Project Area, facing north.

Photograph 3. Overview of the Project Area, facing northeast.

Photograph 4. Overview of the Project Area, facing southeast.

Photograph 5. Overview of the Project Area, facing south.

Photograph 6. Overview of the Parking lot, facing northwest.

Figure 15. Photographs from the field.

File name: Figure_15_Photos.ai, J2022-006.01, Stella D'Oro, 22February2022

Figure 16. Surveyed area.

0 5 10 15 20
Meters

0 25 50 75 100
Feet

N

File name: Figure_16_Surveyed.ai, J2022-006.01, Stella D'Oro, 17February2022

# Conclusions and Recommendations 6

Albion's investigation included archival research, a background records search at the NWIC, and a pedestrian survey of the Project Area. The investigation was designed to adequately address treatment of cultural resources under current CEQA guidelines (Article 5: Section 15064.5).

A search of records at the NWIC indicated that no archaeological resources have been previously identified within the Project Area. Ten resources have been recorded within a $^1/_4$-mile radius of the Project Area. No archaeological studies have been conducted within the Project Area and five archaeological studies have been conducted within a 500-foot radius of the Project Area.

Visual inspection of the Project Area surface revealed no evidence of precolonial or historic-era artifacts or intact archaeological deposits. However, Albion's background research of historic maps suggests that the Project Area has a high potential to contain historic-era archaeological deposits. According to historic maps, the Project Area was developed prior to 1886. For precolonial resources, it is Albion's judgement that the Project Area has medium to high potential to contain buried archaeological deposits. The Baywood loam soils mapped in the Project Area are Holocene in age and the San Lorenzo River is located approximately 755 feet east of the Project Area; therefore, the study area holds a medium to high sensitivity for buried archaeological sites.

Albion's investigation indicates that potentially significant cultural materials may be located in the Project Area. Albion, therefore, recommends an Extended Phase I evaluation to locate subsurface resources. Our methodology includes strategically targeting trenches to the depths of impacts in locations where historic maps indicate potential resources.

Since many important cultural resources, such as Tribal Cultural Resources, do not necessarily leave an archaeological footprint or have physically identifiable manifestations, it is vital to seek out information regarding the possible presence of these important resources and their locations through consultation with local Tribal members. Under the authority of Assembly Bill 52, the City of Santa Cruz (City) may have received information from interested Native American tribes or representatives concerning Tribal Cultural Resources at the Project site. The City is responsible for collecting and incorporating Tribal information into the environmental review process. At this time, Albion does not know if the City has received any such information.

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United States Department of Agriculture
2021 Web Soil Survey. https://soilseries.sc.egov.usda.gov.

# Appendix A

## Records Search Results

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM

ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLATA
SANTA CRUZ
SOLANO
SONOMA
YOLO

**Northwest Information Center**
Sonoma State University
1400 Valley House Drive, Suite 210
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwic@sonoma.edu
http://nwic.sonoma.edu

1/31/2022 NWIC File No.: 21-1197

Stella D'Oro
Albion Environmental, Inc.
1414 Soquel Avenue, Suite 203
Santa Cruz, CA 95062

Re: Santa Cruz Library

The Northwest Information Center received your record search request for the project area referenced above, located on the Santa Cruz USGS 7.5' quad(s). The following reflects the results of the records search for the project area and 500ft & ¼ mile radii:

| | |
|---|---|
| Resources within project area: | None |
| Resources within ¼ mile radius: | P-44-000214; P-44-000227; P-44-000247; P-44-000250; P-44-000269; P-44-000554; P-44-000853; P-44-000939; P-44-000972; P-44-001128 |
| Reports within project area: | None |
| Reports within 500ft radius: | S-026569; S-026667; S-030779; S-039563; S-049916 |

***Database information, document PDFs, and features mapped for above resources not requested.**

| | | | |
|---|---|---|---|
| **Resource Database Printout (list):** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Resource Database Printout (details):** | ☐ enclosed | ☐ not requested | ☒ nothing listed |
| **Resource Digital Database Records:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Report Database Printout (list):** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Report Database Printout (details):** | ☒ enclosed | ☐ not requested | ☐ nothing listed |
| **Report Digital Database Records:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Resource Record Copies:** | ☐ enclosed | ☐ not requested | ☒ nothing listed |
| **Report Copies:** | ☐ enclosed | ☐ not requested | ☒ nothing listed |
| **OHP Built Environment Resources Directory:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Archaeological Determinations of Eligibility:** | ☐ enclosed | ☐ not requested | ☒ nothing listed |
| **CA Inventory of Historic Resources (1976):** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Caltrans Bridge Survey:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Ethnographic Information:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |

| | | | |
|---|---|---|---|
| **Historical Literature:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Historical Maps:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Local Inventories:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **GLO and/or Rancho Plat Maps:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Shipwreck Inventory:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |
| **Soil Survey Maps:** | ☐ enclosed | ☒ not requested | ☐ nothing listed |

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Justin Murazzo
Researcher

DRAFT

Extended Phase I Archaeological Testing Report

# Downtown Library Mixed-Use Project Santa Cruz, California

**NOVEMBER 2022**

*Prepared for:*

**CITY OF SANTA CRUZ**
**ECONOMIC DEVELOPMENT DEPARTMENT**
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Printed on 30% post-consumer recycled material.

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B Artifact Catalog
C Project Photographs

# Acronyms and Abbreviations

| Acronym/Abbreviation | Definition |
|---|---|
| CHRIS | California Historical Resources Information System |
| City | City of Santa Cruz |
| DPR | California Department of Parks and Recreation |
| F | Archaeological Feature |
| NWIC | Northwest Information Center |
| Project | Downtown Library Mixed-Use Project, Santa Cruz, California |
| TT | Test Trench |

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# 1 Management Summary

This letter report presents the results of archaeological subsurface testing for the proposed development of a new downtown library mixed-use project (Project) in downtown Santa Cruz, California. The Project included mechanical subsurface archaeological testing at four locations where the potential for subsurface historical period resources was indicated in a preliminary Phase I archaeological report (D'Oro 2022). The purpose of the Project was to test for presence/absence of archaeological deposits to identify the potential presence of a historical resource, as described by the California Environmental Quality Act (CEQA).

No prehistoric deposits were identified, but the testing produced positive results for historical period archaeological resources in all four trench locations. In three trenches the artifacts were contained in a cultural layer of variable thickness between gravel fill used to support the modern asphalt parking surface and the native silty sand below. In one trench, two distinct historical period refuse deposits (features) were identified and excavated by hand. Analysis shows that both features contain domestic artifacts strongly associated with the mid- to late nineteenth century land uses that existed along Lincoln and Cedar Streets at that time. Although the artifacts in the other three trenches were not in discrete features, they do largely date also to the mid- to late nineteenth century.

Due to the small sample of the current Extended Phase I investigation, Dudek recommends a more extensive Phase II archaeological evaluation to broaden and intensify the geographic coverage of the investigation to complete a formal evaluation of found resources within the Project area for California Register of Historical Resources (CRHR) eligibility under CEQA. The Phase II testing should be guided by a research design developed using the results of the previous Phase I investigation (D'Oro 2022) and this report, which should be integrated to a work plan that describes research questions, field work and analytical methods that will be used to make a CRHR eligibility determination for the resource under CEQA guidelines. National Archaeological Database information for this Project is provided in Appendix A.

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# 2 Project Description, Location, and Background

## 2.1 Project Description

The Project includes removal of all existing improvements and construction of a 308,000 square foot building in the Cedar Street Village Corridor of the City's Downtown Plan.

## 2.2 Project Location

The Project is in downtown Santa Cruz on the east side of Cedar Street and spans the full block between Lincoln Street and Cathcart Street. The project area of approximately 1.5 acres includes two parcels currently designated as Assessor's Parcel Numbers (APNs) 005-141-21 and 005-141-11. The Project location is found on the U.S Geological Survey (USGS) Santa Cruz 7.5-minute topographic map, a portion of which is reproduced in Figure 1, Project Location.

## 2.3 Project Background

The Project is subject to compliance with CEQA. As the CEQA lead agency, the City is required to complete an environmental review and make a determination regarding the effect of the Project on historic resources. As part of the environmental review process for cultural resources, a Phase I cultural resources report (D'Oro 2022) was prepared by Albion and submitted to the City.

Based on a review of records obtained from the California Historical Resources Information System (CHRIS), Albion reported that no archaeological resources have been previously recorded within the Project area and that there are ten known resources within a 0.25-mile radius of the Project area. The Albion study was the first archaeological study for the Project area. Albion's visual inspection of the Project area surface revealed no evidence of buried archaeological deposits; not surprising given the Project area is almost entirely covered with modern hard surfaces including asphalt parking lots and one building.

Notwithstanding the above findings, Albion found potential for buried historical period resources indicated based on a review of maps and aerial photographs of the Project area dating from 1853 to 1964. Of particular interest were building footprints and privy pits associated with residential properties that existed in the nineteenth century. This evidence was shown clearly on maps dating before AD 1886. Based on that information, Albion recommended the Project area be considered to have a medium to high sensitivity for buried archaeological deposits and recommended an Extended Phase I investigation (subsurface testing) be conducted at four specific locations to test for presence/absence of deposits under the present hard surface of the parking lot and the one existing building. The present study follows from the Albion recommendations and this report is supplemental to Albion (D'Oro 2022).

Of the four texting locations suggested by Albion, one was under a currently occupied existing building. Because the City requested the subsurface testing be conducted during the planning phase, the testing location under the existing building was replaced with one currently accessible in the parking lot area where potential deposits were also indicated. The trench locations are shown on Figure 2, Project Area and SubsurfaceTest Locations.

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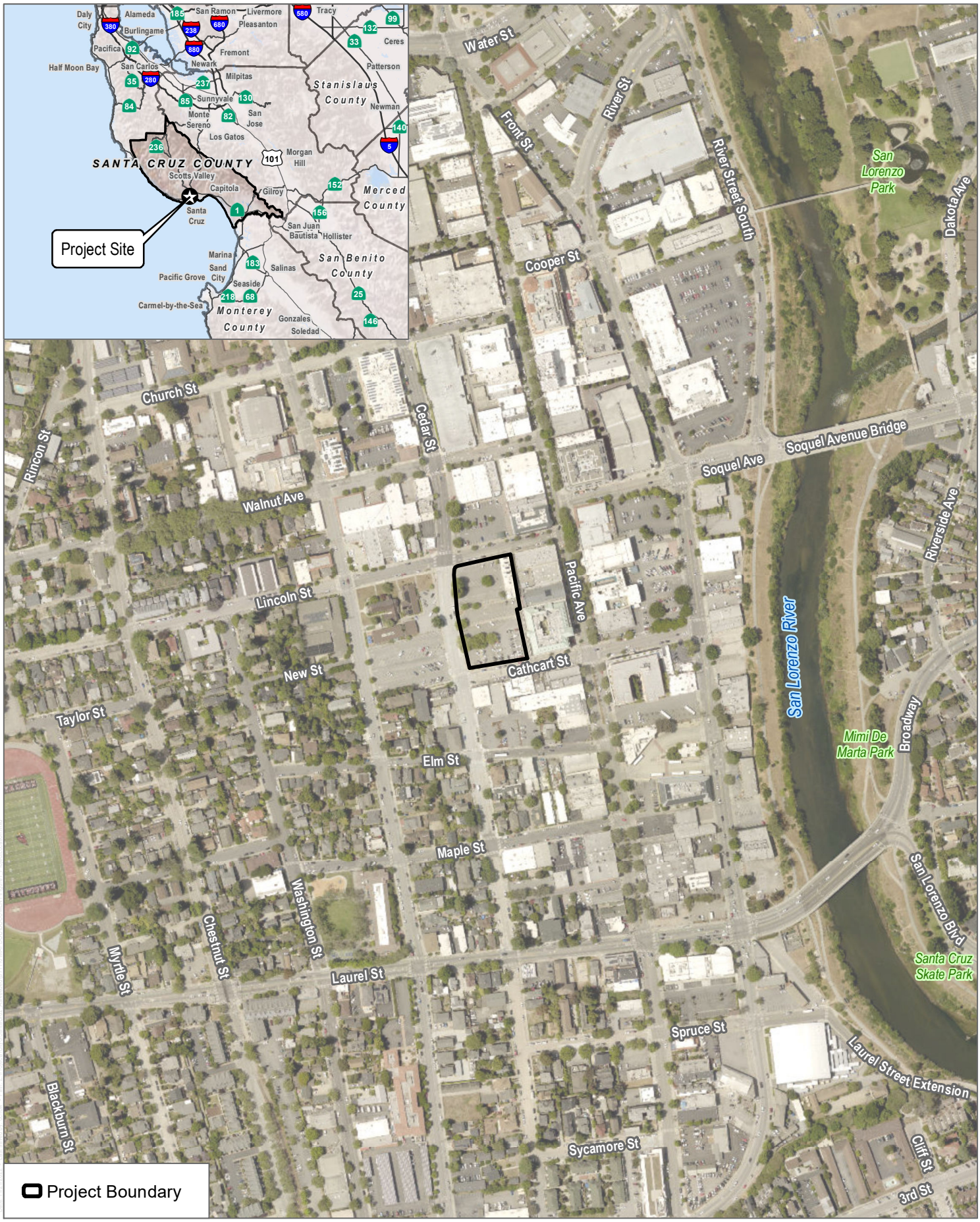


SOURCE: Digital Globe Imagery (accessed 2022), Open Street Map 2019

DUDEK

0 200 400 Feet

**FIGURE 1**

Project Location

Downtown Library Mixed-Use Project

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SOURCE: Digital Global Imagery (accessed 2022), Open Street Map 2019

DUDEK

0 25 50 Feet

**FIGURE 2**

Project Area and Subsurface Test Locations

Downtown Library Mixed-Use Project

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# 3 Regulatory Context

## 3.1 State of California

### 3.1.1 The California Register of Historical Resources

In California, the term "historical resource" includes "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (Public Resources Code (PRC) Section 5020.1[j]). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for listing resources on the CRHR, enumerated in the following text, were developed to be in accordance with previously established criteria developed for listing in the NRHP. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage
2) Is associated with the lives of persons important in our past
3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values
4) Has yielded, or may be likely to yield, information important in prehistory or history

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

### 3.1.2 California Environmental Quality Act

As described further in the following text, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

PRC Section 21083.2(g) defines "unique archaeological resource."

PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of a historical resource.

PRC Section 21074(a) defines "tribal cultural resources."

PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

PRC Sections 21083.2(b)–(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1[q]), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource, even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5[b][1]; PRC Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA [CEQA Guidelines Section 15064.5(b)(2)].

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (Section 21083.2[a], [b], and [c]).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
2) Has a special and particular quality such as being the oldest of its type or the best available example of its type
3) Is directly associated with a scientifically recognized important prehistoric or historic event or person

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2[a]; CEQA Guidelines Section 15064.5[c][4]). However, if a non-unique archaeological resource qualifies as tribal cultural resource (PRC 21074[c]; 21083.2[h]), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described in the following text, these procedures are detailed in PRC Section 5097.98.

### 3.1.3 Native American Historic Cultural Sites

State law (PRC Section 5097 et seq.) addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and established the Native American Heritage Commission (NAHC) to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

### 3.1.4 California Health and Safety Code Section 7050.5

In the event that Native American human remains or related cultural material are encountered, Section 15064.5(e) of the CEQA Guidelines (as incorporated from PRC Section 5097.98) and California Health and Safety Code Section 7050.5 define the subsequent protocol. If human remains are encountered, excavation or other disturbances shall be suspended of the site or any nearby area reasonably suspected to overlie adjacent human remains or related material. Protocol requires that a county-approved coroner be contacted in order to determine if the remains are of Native American origin. Should the coroner determine the remains to be Native American, the coroner must contact the NAHC within 24 hours. The NAHC will assign a most likely descendent, who may make recommendations to the landowner or the person responsible for the excavation work, for means of treating, with appropriate dignity, the human remains and any associated grave goods as provided in PRC Section 5097.98 (14 CCR 15064.5[e]).

## 3.2 City of Santa Cruz

The Project must comply with the City of Santa Cruz Code Section 24.12.430 Santa Cruz City regulations specifically require an archaeological survey and report identifying and inventorying archaeological resources for any project involving ground-disturbing work in an area classified as archaeologically sensitive. The subject property is classified as "Highly Sensitive" for archaeological sensitivity on resources maps maintained by the City's Planning Department. This report is intended to meet requirements put forth in local Policy HA1.2 of the City of Santa Cruz General Plan 2030 (adopted June 2012).

# 4 Natural and Cultural Contexts

## 4.1 Environmental Context

The Project area is in the extreme lower San Lorenzo River Valley about 0.5 miles north of Monterey Bay and about 2 miles south of the foothills of the Santa Cruz Mountains of the greater Coast Ranges of western California. The San Lorenzo River lies about 800 feet to the east. The geology of the vicinity is Holocene floodplain. Soils are classified as Baywood loamy sand, 0% to 2% slopes. Vegetation of the area is categorized as coastal prairie-scrub mosaic (Küchler 1977); however, the native landscape has been significantly changed by intensive modern development. Currently, the Project area is within an urban setting. The Monterey Bay area enjoys a Mediterranean climate.

## 4.2 Cultural Context

### 4.2.1 Prehistory

The prehistory of indigenous groups living within Santa Cruz County follows general patterns identified within the archaeological record of the greater Central Coast area of California. These patterns represent adaptive shifts in settlement, subsistence strategies, and technological innovation demonstrated by prehistoric people throughout the Holocene and earlier. The California Central Coast Chronology (Jones et. al. 2007) presents an overview of prehistoric life ranging upwards of 10,000 years. Six temporal periods describe changes in prehistoric settlement patterns, subsistence practices, and technological advances (Table 1).

**Table 1. California Central Coast Chronology**

| Temporal Period | Date Range* |
|---|---|
| Paleo-Indian | pre-8000 cal BC |
| Milling Stone (or Early Archaic) | 8000 to 3500 cal BC |
| Early | 3500 to 600 cal BC |
| Middle | 600 cal BC to cal AD 1000 |
| Middle-Late Transition | cal AD 1000–1250 |
| Late | cal AD to 1250–1769 |

Note:
* Calibrated dates.

#### 4.2.1.1 Paleo-Indian

The Paleo-Indian era represents people's initial occupation of the region. These were highly mobile hunters who focused subsistence efforts on large mammals. Multiple migrations into the region may have occurred both terrestrially and by sea (Erlandson et. al. 2007). Although no coastal Paleo-Indian sites in the Central California Coast region have been discovered, they may have been inundated because of rising ocean levels throughout the Holocene (Jones and Jones 1992).

Evidence of this era is generally found through isolated artifacts or sparse lithic scatters (Bertrando 2004). In the San Luis Obispo area, fluted points characterizing this era are documented near the town of Nipomo (Mills et. al.

2005) and Santa Margarita (Gibson 1996), but so far, no fluted points have been found in the Central Coast north of the Santa Barbara area. Possible evidence for Paleo-Indian occupation is reported in buried contexts in CA-SCL-178 in the Santa Clara Valley and at CA-SCR-177 in Scotts Valley (Cartier 1993). The early radiocarbon dates from charcoal, however, pose questions of validity (Jones et. al. 2007).

#### 4.2.1.2 Milling Stone

Settlement in the Central Coast appears with more frequency in the Milling Stone Period. Sites of this era have been discovered in Big Sur (Jones 2003; Fitzgerald and Jones 1999) and Moss Landing (Jones and Jones 1992; Milliken et. al. 1999). Assemblages are characterized by abundant milling stones and hand stones, cores and core-cobble tools, thick rectangular (L-series) Olivella beads, and a low incidence of projectile points, which are generally lanceolate or large side-notched varieties (Jones et. al. 2007). Eccentric crescents are also found in milling stone components. Sites are often associated with shellfish remains and small mammal bone, which suggest a collecting-focused economy. Newsome et. al. (2004) report that stable isotope studies on human bone, from a milling stone component at CA-SCR-60/130, indicate a diet composed of 70%–84% marine resources. Contrary to these findings, deer remains are abundant at some milling stone sites (cf. Jones et. al. 2008), which suggests a flexible subsistence focus. Similar to the Paleo-Indian era, archaeologists generally view people living during the Milling Stone era as highly mobile.

#### 4.2.1.3 Early

The Early Period corresponds with the earliest era of what Rogers (1929) called the "Hunting Culture." According to Rogers, the "Hunting Culture" continues through to what is termed the Middle-Late Transition in the present framework. The Early Period is marked by a greater emphasis on formalized flaked stone tools, such as projectile points and bifaces, and the initial use of mortar and pestle technology. Early Period sites are located in more varied environmental contexts than milling stone sites, suggesting more intensive use of the landscape than practiced previously (Jones and Waugh 1997).

Early Period artifact assemblages are characterized by Large Side-notched points, Rossi Square-stemmed points, Spire-lopped (A), End-ground (B2b and B2c), Cap (B4), and Rectangular (L-series) Olivella beads. Other artifacts include less temporally diagnostic Contracting-stemmed and Año Nuevo long-stemmed points, and bone gorges. Ground stone artifacts are less common relative to flaked stone tools when compared with Milling Stone-era sites.

Early Period sites are common and often found in estuary settings along the coast or along river terraces inland and are present in both Monterey and Santa Cruz Counties. Coastal sites dating to this period include CA-MNT-108 (Breschini and Haversat 1992a), CA-SCR-7 (Jones and Hildebrandt 1990), and CA-SCR-38/123 (Jones and Hildebrandt 1994).

Archaeologists have long debated whether the shift in site locations and artifact assemblages during this time represent either population intrusion as a result of mid-Holocene warming trends, or an in situ adaptive shift (cf. Mikkelsen et. al. 2000). The initial use of mortars and pestles during this time appears to reflect a more labor-intensive economy associated with the adoption of acorn processing (cf. Basgall 1987).

#### 4.2.1.4 Middle

The trend toward greater labor investment is apparent in the Middle Period. During this time, there is increased use of plant resources, more long-term occupation at habitation sites, and a greater variety of smaller "use-specific" localities. Artifacts common to this era include Contracting-stemmed projectile points, a greater variety of Olivella

shell beads and Haliotis ornaments that include discs and rings (Jones 2003). Bone tools and ornaments are also common, especially in the richer coastal contexts (Jones and Ferneau 2002a; Jones and Waugh 1995), and circular shell fishhooks are present for the first time. Grooved stone net sinkers are also found in coastal sites. Mortars and pestles become more common than milling stones and hand stones at some sites (Jones et. al. 2007). Important Middle Period sites include CA-MNT-282 at Willow Creek (Jones 2003; Pohorecky 1976), and CA-MNT-229 at Elkhorn Slough (Dietz et. al. 1988), CA-SCR-9 and CA-SMA 218 at Año Nuevo (Hylkema 1991).

Jones et. al. (2007) discuss the Middle Period in the context of Rogers' "Hunting Culture" because it is seen as a continuation of the pattern that begins in the Early Period. The pattern reflects a greater emphasis on labor-intensive technologies that include projectile and plant processing. Additionally, faunal evidence highlights a shift toward prey species that are more labor intensive to capture, either by search and processing time or technological needs. These labor-intensive species include small schooling fishes, sea otters, rabbits, and plants such as acorn. Jones and Haney (2005) offer that Early and Middle Period sites are difficult to distinguish without shell beads due to the similarity of artifact assemblages.

#### 4.2.1.5 Middle-Late Transition

The Middle-Late Transition corresponds with the end of Rogers' "Hunting Culture." Artifacts associated with the Middle-Late Transition include contracting-stemmed, double side-notched, and small leaf-shaped projectile points. The latter are thought to represent the introduction of bow and arrow technology to the region. A variety of Olivella shell bead types are found in these deposits and include B2, B3, G1, G2, G6, and K1 varieties, notched line sinkers, hopper mortars, and circular shell fishhooks (Jones 1995; Jones et. al. 2007). Sites that correspond with this time are CA-MNT-1233 and -281 at Willow Creek (Pohorecky 1976), CA-MNT-1754, and CA-MNT-745 in Priest Valley (Hildebrandt 2006). A greater number of Middle-Late Transition sites are found in San Luis Obispo County to the south.

The Middle-Late Transition is a time that appears to correspond with social reorganization across the region. This era is also a period of rapid climatic change known as the Medieval Climatic Anomaly (cf. Stine 1994). The Medieval Climatic Anomaly is proposed as an impetus for the cultural change that was a response to fluctuations between cool-wet and warm-dry conditions that characterize the event (Jones et. al. 1999). Archaeological sites are rarer during this period, which may reflect a decline in regional population (Jones and Ferneau 2002b).

#### 4.2.1.6 Late

Late Period sites are found in a variety of environmental conditions and include newly occupied task sites and encampments, as well as previously occupied localities. Artifacts associated with this era include Cottonwood (or Canaliño) and Desert Side-notched arrow points, flaked stone drills, steatite and clamshell disc beads, Haliotis disc beads, Olivella bead types E1 and E2, and earlier used B2, B3, G1, G6, and K1 types. Milling stones, hand stones, mortars, pestles, and circular shell fishhooks also continue to be used (Jones et. al. 2007). Sites dating to this era are found in coastal and interior contexts. Late Period sites include CA-MNT-143 at Asilomar State Beach (Brady et. al. 2009), CA-MNT-1765 at Moro Cojo Slough (Fitzgerald et. al. 1995), CA-MNT-1485/H and -1486/H at Rancho San Carlos (Breschini and Haversat 1992b), and CA-SCR-117 at Davenport Landing (Fitzgerald and Ruby 1997).

Coastal sites dating to the Late Period tend to be resource acquisition or processing sites, while evidence for residential occupation is more common inland (Jones et. al. 2007).

### 4.2.2 Ethnohistoric

The Project Area lies within the territory traditionally occupied by people called "Costanoan" by the Europeans at the time of contact. Many modern descendants prefer to be called "Ohlone," or by their specific tribal band name. The Ohlone spoke eight separate dialects of the Penutian language family and lived between the vicinities of what is now Richmond in the north and Big Sur in the south. The Ohlone were organized under approximately fifty autonomous polities or tribelets (Levy 1978; Milliken 1995). At the time of European contact, the Awaswas Ohlone dialect was reportedly spoken within this portion of what is today Santa Cruz County. Ethnographic accounts of Ohlone at the time of contact described them as living in permanent villages, but also spending time in smaller camps to collect or process seasonal resources such as acorn or shellfish (Levy 1978).

### 4.2.3 Historical Period

The Santa Cruz area strongly associated with early Euro-American exploration and settlement beginning in the late eighteenth century as well as later commercial, industrial, and recreational development of the region throughout the nineteenth and twentieth centuries. The history of the Santa Cruz Area is generally divided into three periods: The Spanish Period (1769 to 1822), the Mexican Period (1822 to 1846), and the American Period (1846 to present).

#### 4.2.3.1 Spanish Period (1769–1822)

The first European to explore the Central Coast was Sebastián Vizcaíno, who, in 1602, was sent by the Spanish government to map the Californian coastline for suitable ports. It was Vizcaíno who named the area "Puerto de Monterey" after the Conde de Monterey, the Viceroy of New Spain in Mexico (Chapman 1920; Hoover et. al. 2002). The Gaspar de Portolá expedition traveled through the region in 1769 and returned in 1770 to establish both the Monterey Presidio, Spain's first military base in Alta California. Mission Santa Cruz was established in 1791 as the twelfth mission to be established in California. Native Americans were forced to build the mission church and auxiliary structures from local timber, limestone, and adobe, as well as cultivate wheat, barley, beans, corn, and lentils for the mission Padres and soldiers. Villa Branciforte was also established at that time on the eastern part of Santa Cruz as one of three Spanish civil settlements in California. The Spanish missions drastically altered the lifeways of the Native Americans. Spanish missionaries conscripted members of local Native American communities to move to the Mission, where they were indoctrinated as Catholic neophytes (Hoover et. al. 2002; Lehmann 2000; Koch 1973; Milliken 1995).

#### 4.2.3.2 Mexican Period (1822–1846)

After more than a decade of intermittent rebellion and warfare, New Spain (Mexico and the California territory) won independence from Spain in 1821. In 1822, the new government ended Spanish policies and decreed California ports open to foreign merchants. The Spanish Missions across the territory were secularized during this period releasing the Native Americans from control of the mission-system. The City of Monterey continued as the capital of Alta California and the Californios, the Mexicans who settled in the region, were given land grants, in part to increase the population inland from the more settled coastal areas where the Spanish had first concentrated its colonization efforts. Land grants to citizens covered over 150,000 acres of present-day Santa Cruz County (Koch 1973; Lehmann 2000; Cleland 2005).

#### 4.2.3.3 American Period (1846–Present)

The Mexican–American War, ending with the Treaty of Guadalupe Hidalgo in 1848, brought California into control of the United States. As the Gold Rush picked up steam in 1849, a massive influx of people seeking gold steadily flooded the rural counties of California. The gold fields quickly dried up causing many new arrivals to refocus on other economic opportunities. In Santa Cruz County, one of the 27 original counties of California, insightful entrepreneurs saw the arrival of opportunity-seeking laborers as a means to harvest the abundant natural resources found throughout the area. The lumber, lime, cement, fishing, and leisure industries formed the economic foundation of the County. California officially became a state with the Compromise of 1850. The new state of California recognized the ownership of lands in the state distributed under the Mexican Land Grants of the previous decades (Lehmann 2000; Koch 1973).

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# 5 Methods

## 5.1 Field Methods

The Phase I investigation was "Extended" by executing four mechanical test trenches (TT) with 10-centimeter hand auger probes continuing down from the bottom of each TT. Each TT was excavated using a backhoe equipped with a 30-inch bucket with a straight blade. Each TT was approximately 10 feet long by 2.5 feet wide by 5 feet deep. Under the direction of Dudek's project manager, work crews removed soil evenly from the TTs in approximately 4-inch lifts, keeping the bottom of the TT as level as possible. This excavation technique allowed Dudek archaeologists to observe and record soil stratigraphy and concentrations of artifacts. Dudek also collected two 5-gallon samples of excavated matrix at a minimum of three depths in each TT. The sample was screened through 0.25-inch mesh in search of small cultural constituents. All cultural material was collected in labelled plastic bags and returned to Santa Cruz laboratory for further analysis. Where archaeological features were encountered, Dudek halted mechanical testing and exposed the cultural deposits using hand tools including shovels, trowels, and small brushes.

Augers were hand-excavated in arbitrary 1-foot levels from the lowest depth of each TT to a depth of 7.5 feet below ground surface (when possible), with the excavated matrix screened through 0.25-inch mesh. All excavated matrix was screened through 0.25-inch mesh. The locations of the four TTs are shown on an ariel photograph in Figure 2 and on the 1892 Sanborn Map in Figure 3 (see Section 2.3, Project Background).

Photographs and profile drawings were used to document soils, stratigraphic information, and disturbances in all four TT. Field notes were recorded on standardized forms to log artifact and feature recovery, soil descriptions, disturbances, and any other pertinent information.

## 5.2 Laboratory Methods

Following the field work, laboratory analysis was performed in the Dudek's Santa Cruz office. The work included sorting, washing, cataloging, and analyzing the archaeological collection. All recovered materials were individually examined and cataloged according to class, object (subclass), and material; counted and weighed on a digital scale. All coded data were entered into a general artifact catalog presented in Appendix B.

The cultural material was sorted into the following general classes: historic and modern artifacts were categorized by material type (glass, metal, and bone). Historic artifacts were then further analyzed to identify the form, function, and approximate age of the specimen to the highest degree possible. Ceramic artifacts were analyzed by domain (domestic, architectural, or infrastructural), function (i.e., food storage, tableware, insulator, or sewer pipe), material type, origin, stylistic motifs, and maker's marks. Each specimen was measured by length, width, and thickness. Glass artifacts were classified as historic or modern/nondiagnostic. Historic attributes were determined by form, manufacturing technique, color, decoration, alteration, and maker's marks. Metal artifacts were analyzed by form and function, with unidentifiable fragments weighed by bulk. Artifacts were quantified in a standard manner using counts and weights. References were consulted in order to attribute an approximate age of the artifacts. Photographs of selected diagnostic historical period artifacts are presented in Appendix C.

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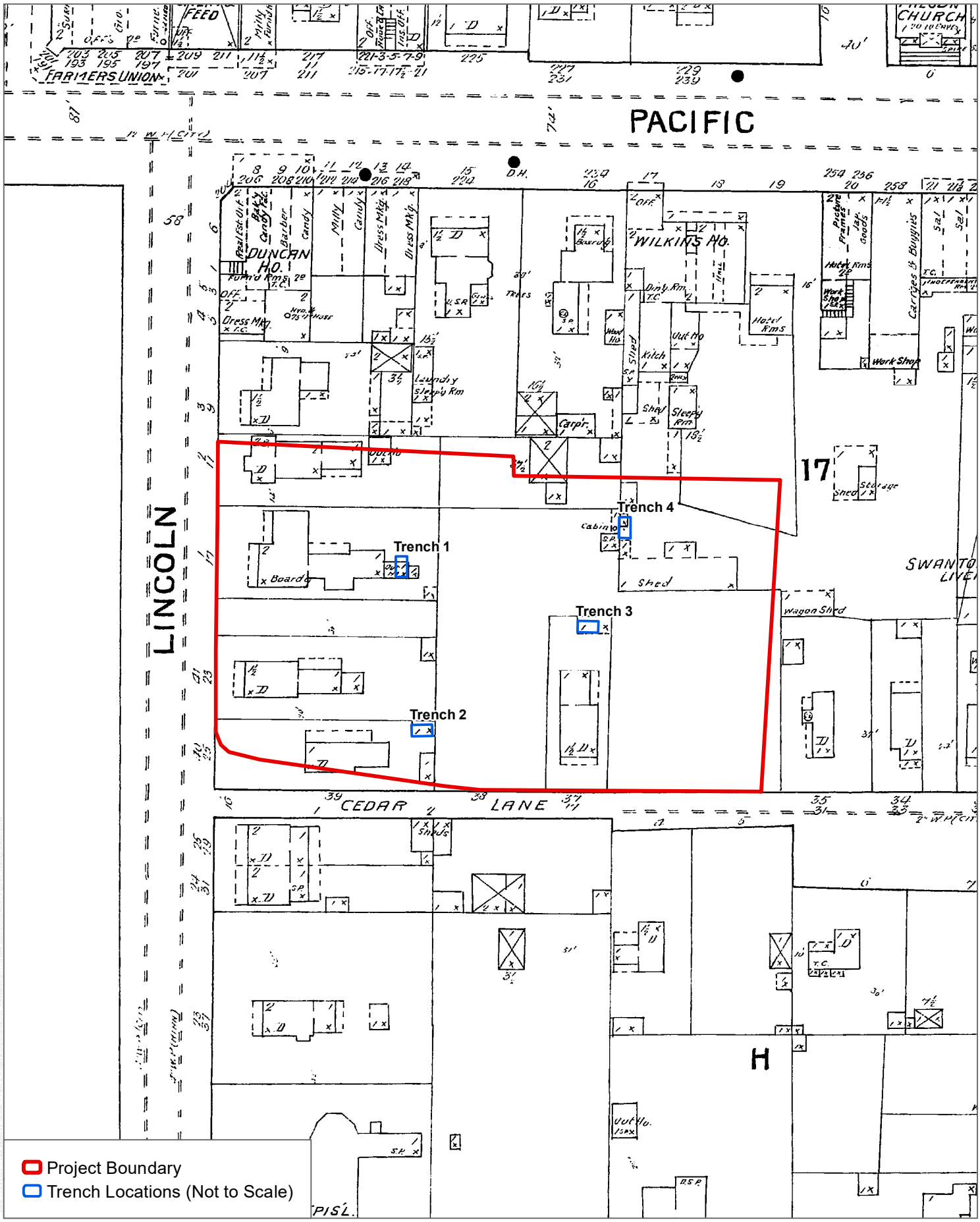


SOURCE: Sanborn Map Company 1892

**FIGURE 3**

Testing Locations on 1892 Sanborn Map

Downtown Library Mixed-Use Project

DUDEK

0 50 100 Feet

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# 6 Results

## 6.1 Horizontal and Vertical Findings

### 6.1.1 Horizontal Findings

All four TT locations were positive for cultural materials. However, findings suggest that historical period features more likely exist in the northwest portion of the project area. In TT 1, TT 3, and TT 4, sparse artifacts were present in a layer of variable thickness that existed below the gravel fill layer supporting the asphalt parking surface. The random nature of the recovery suggests that the artifacts in the south and east portion of the project area are not in the locations of original deposition and have been significantly disturbed over time. In TT 2, located in the northwest portion of the Project area, two discrete historical period features were identified that contained notable quantities of artifacts likely in their original locations and with minimal post depositional disturbances.

### 6.1.2 Stratigraphy

USDA Web soil survey shows a Baywood loamy sand soil complex with 0 to 2% slope in this location. The soil is excessively drained with very low runoff and no chance of flooding (USDA 2022).

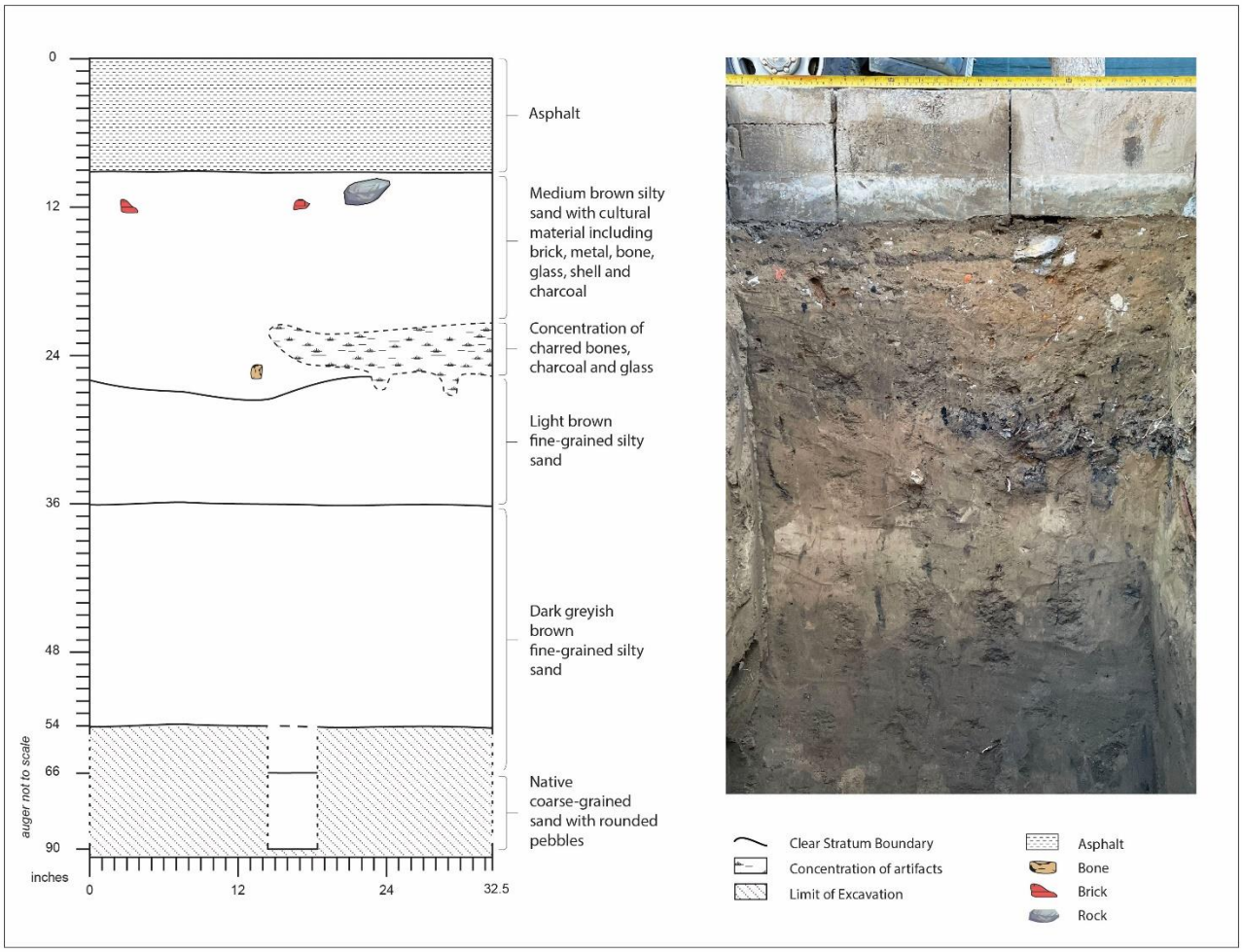
Although soil profiles of the four TTs presented some variability, stratigraphy observed during the exploratory trenching effort showed reoccurring patterns over the tested area. Overall, four distinct strata were identified capped under a layer of 6 to 9 inches of asphalt. The first stratum was a layer of orange-brown construction fill extending as far as 25 inches below the ground surface (below parking lot grade). The second stratum was a disturbed mixed soil consisting of dark brown silty loam to medium brown silty sand which held cultural material. This layer was observed as deep as 50 inches below the ground surface. Two layers of native soils were identified underlying Stratum 2. These include a light brown fine grained silty sand situated above a coarse-grained sand with water-worn pebbles. The transition between the two layers ranged between 58 and 89 inches below ground surface.

Slight variations were observed throughout the four TTs. The soil profiles of each TT are described below and illustrated in Figures 4 through 7.

#### Test Trench 1

Dudek identified 4 unique soil strata capped by a layer of 9 inches of asphalt. The first stratum, directly below the asphalt, extended to 26 inches below the ground surface and consisted of a medium brown fine-grained silty sand with sparse cultural material including brick, metal, glass, shell, bone, and charcoal. A concentration of historic material showing heat treatment (glass, charred bone, and charcoal) was observed within this stratum in the southeast corner of the trench, from 21 to 26 inches below surface. The second stratum was observed from 26 to 36 inches below surface and consisted of a light brown fine-grained silty sand with very low cultural constituents. The last two strata appeared to be native sediments consisting of a dark greyish brown fine-grained silty sand transitioning to a coarse-grained sand with water-worn pebbles at 66 inches below ground surface. Cultural material was absent in both of these strata (Figure 4, TT 1 East Profile).

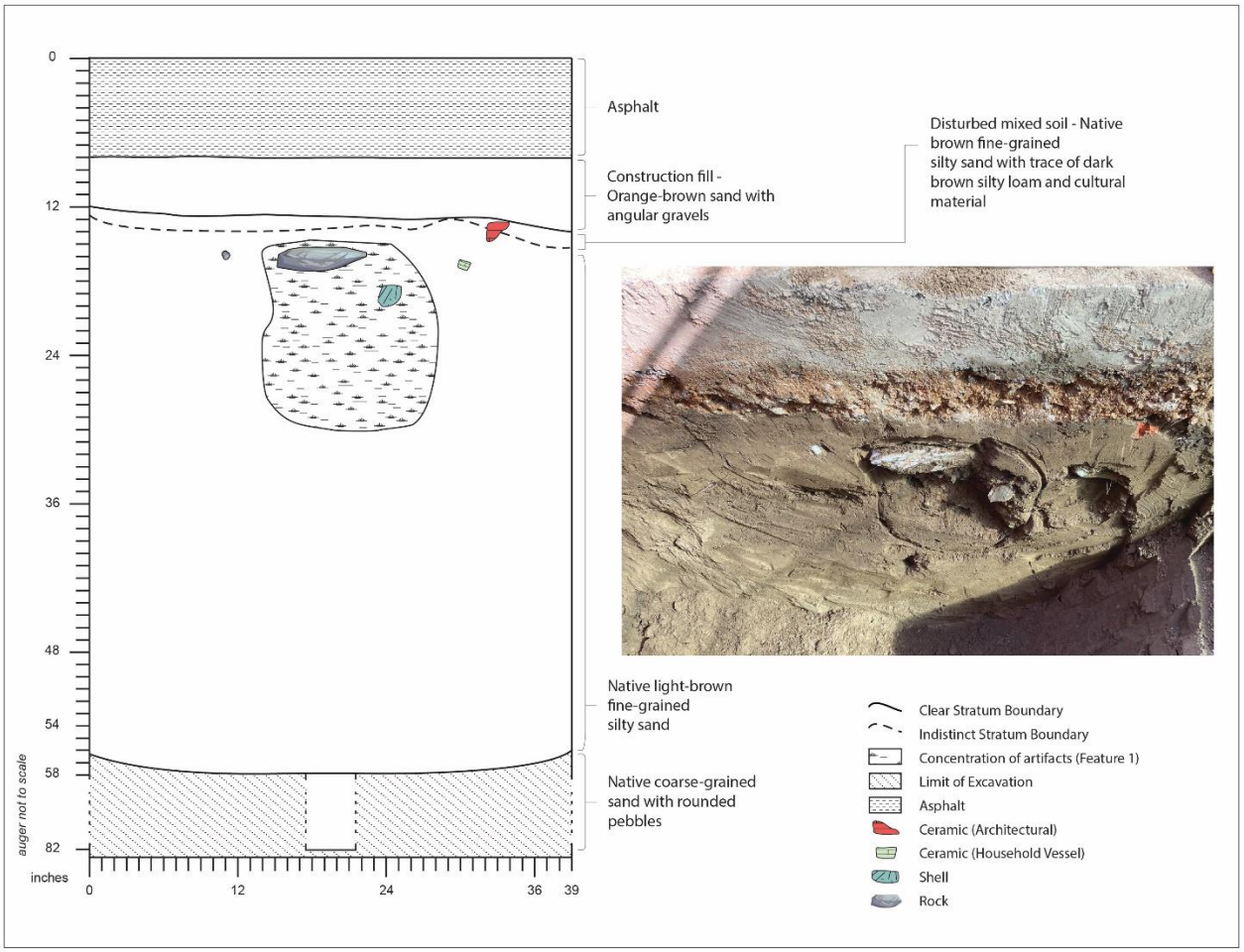
**Figure 4.** TT 1 East Profile




## Test Trench 2

Dudek identified four distinct soil strata capped by a layer of 8 inches of asphalt (Figure 5, TT 2 East Profile). The first stratum was a layer of orange-brown gravelly sand construction fill extending 4 inches below the asphalt (to 12 inches below ground surface). A thin layer of mixed disturbed soil was observed below, down to 14 inches below ground surface. The stratum consisted of fine-grained brown silty sand containing historic material (similar to the first stratum in TT 1) mixed with dark brown silty loam. A layer of sterile lighter brown fine-grained silty sand was observed below, down to 58 inches below surface. Two concentrations of cultural material were found intrusive to this stratum. They are described below as Feature 1 and 2. The last stratum observed in this trench, from 58 inches until the bottom of the unit at 82 inches below ground surface, was the same coarse-grained sand with water-worn pebbles observed at the bottom of TT 1.

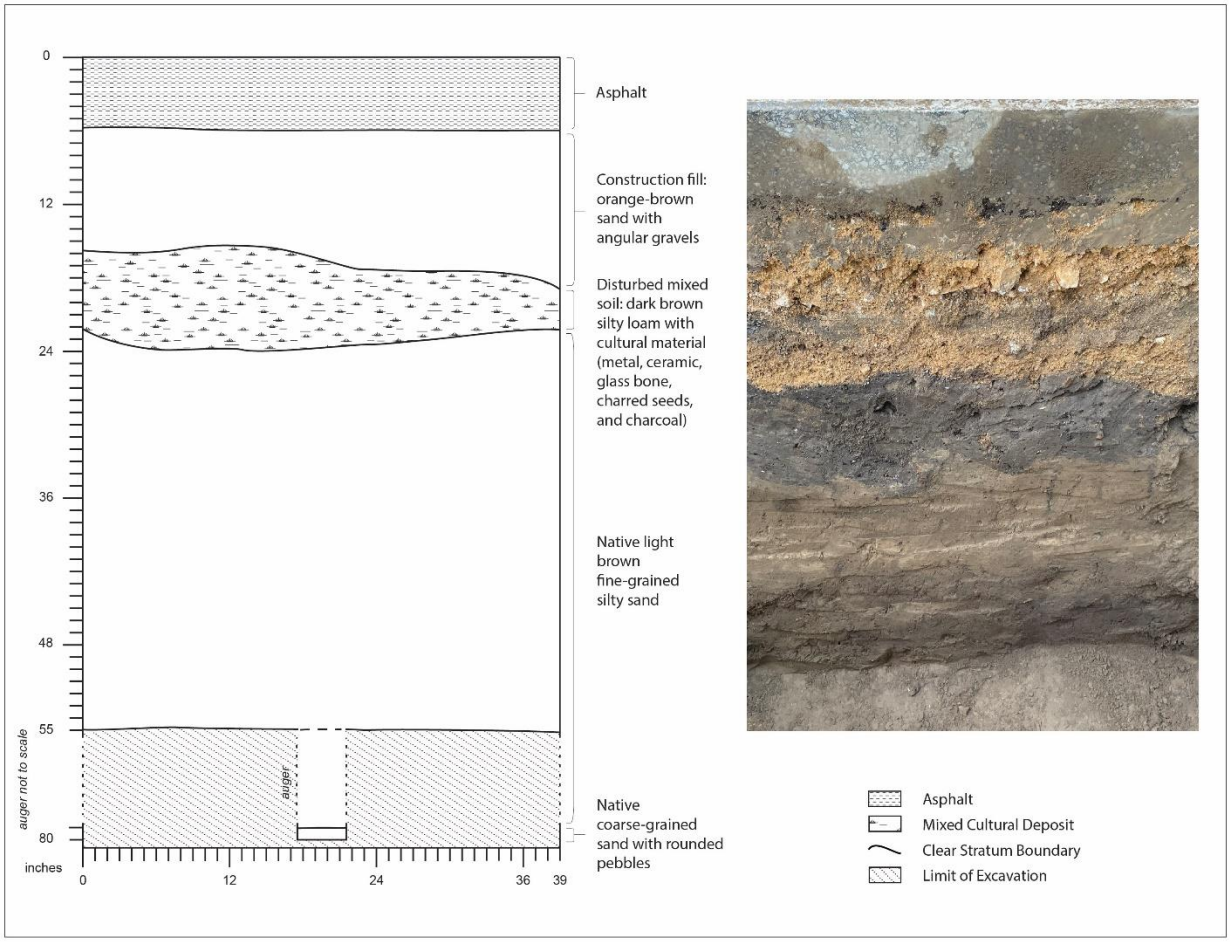
**Figure 5.** TT 2 East Profile




## Test Trench 3

Dudek identified four distinct soil strata capped by a layer of 6 inches of asphalt (Figure 6, TT 3 East Profile). The first stratum was the same layer of construction fill observed in TT 2. The layer extended 10 inches below the asphalt (to 15 inches below ground surface). A layer of mixed disturbed soil was observed below, down to 24 inches below ground surface. The stratum consisted of dark brown silty loam containing a high density of cultural material including historic ceramic, glass, and metal artifacts along with bone, charred seeds and charcoal. Native light brown fine-grained silty sand (same as in TT 2) was observed below to a depth of 79 inches below ground surface. Lastly, the same coarse-grained sand with water-worn pebbles observed at the bottom of TT 1 and TT 2 was present at the bottom of TT 3 starting at 89 inches below surface.

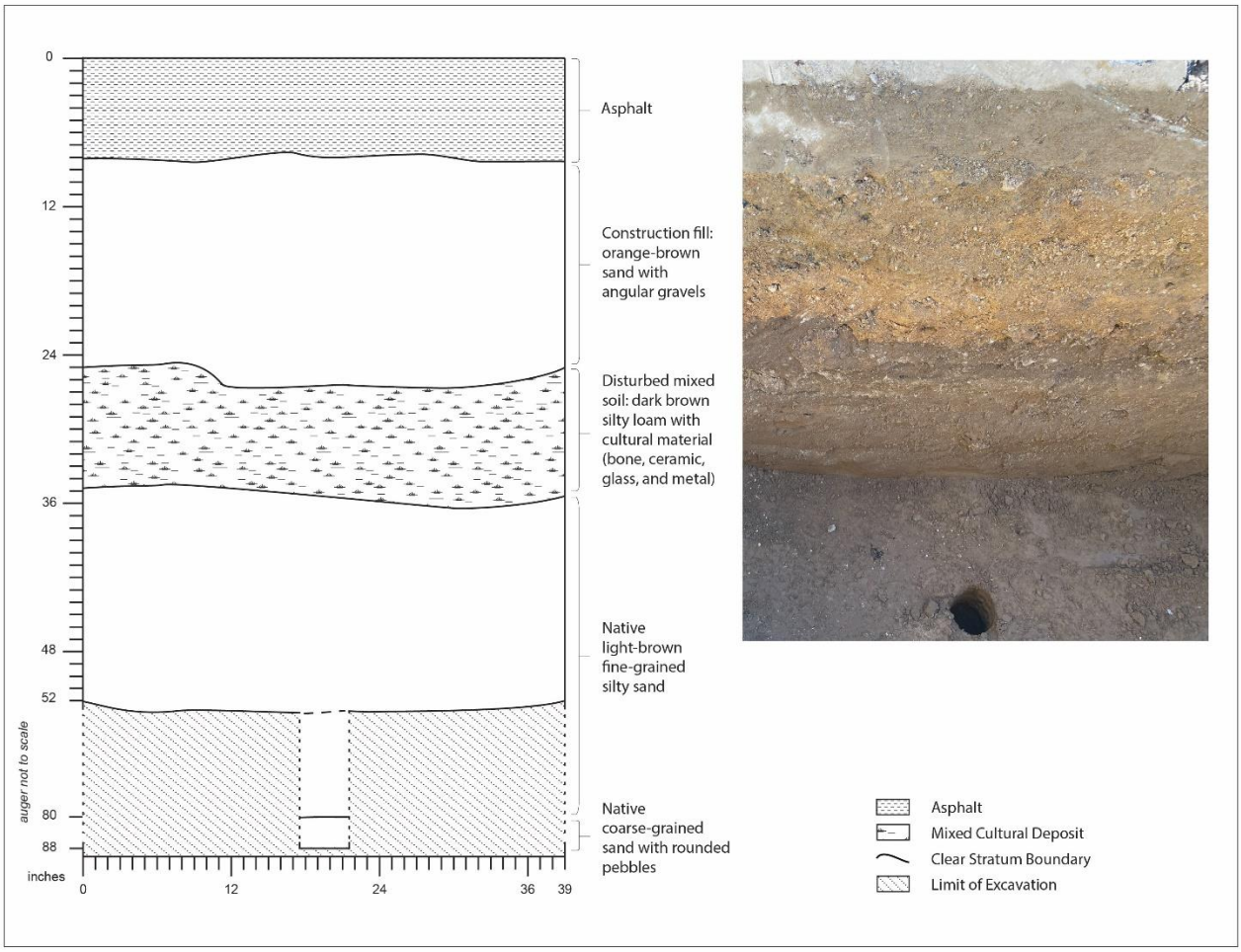
**Figure 6.** TT 3 East Profile




## Test Trench 4

Again, Dudek identified 4 distinct soil strata capped by a layer of 8 inches of asphalt. The first stratum was the same layer of construction fill observed in TTs 2 and 3. The layer was thicker than in previous trenches and extended to 25 inches below ground surface. A layer of mixed disturbed soil was observed below, down to 35 inches below ground surface. The stratum consisted of dark brown silty loam containing sparse cultural material including historic ceramic, glass, and metal artifacts, and faunal bone. Native light brown fine-grained silty sand (same as in TT 2 and 3) was observed below to a depth of 80 inches. Lastly, the same coarse-grained sand with water-worn pebbles observed at the bottom of TT 1, TT 2, and TT 3 was present at the bottom of TT 4 (Figure 7, TT 4 East Profile).

**Figure 7.** TT 4 East Profile




The layer of coarse-grained sand with water-worn pebbles mentioned above was identified at the bottom of each trench using the hand auger to excavate through the bottom center of each TT and confirmed that all soil below was culturally sterile native sand.

### 6.1.3 Features

Dudek identified two features during the Extended Phase I field effort, both in TT 2. The features were located 24 inches apart and were both exposed starting at approximately 15 inches below surface. Dudek excavated the features independently due to the discrete nature of each.

## Feature 1

Feature 1 was found in the central portion of TT 2 just under the gravel fill supporting the asphalt parking surface, at approximately 15 inches below the surface. The cultural layer present in the other three trenches was very thin (less than 2 inches) in TT 2, and Feature 1 was surrounded by native silty sand that was identified as native soil in the other three TTs. Since Feature 1 is intrusive into native soil and appears in situ, it seems likely it was dug intentionally as part of one or several dumping events.

The observable dimensions of Feature 1 were 18 inches long, 16 inches wide, and 14 inches thick. These dimensions must be considered incomplete however, as Feature 1 clearly extended into the east sidewall of TT 2. A 2-inch metal utility pipe bounded Feature 1 on the south side in a narrow area of relative sterile soil between Feature 1 and Feature 2 to the south.

Artifacts recovered from Feature 1 included 78 ceramic whiteware sherds, 1 porcelain sherd, 18 glass shards, 7 metal artifacts including nails, 1 safety pin, and various fragments of unidentifiable slag, 29.9 grams of marine shell fragments, and 45 faunal bone specimens (see Table 2). See Section 6.2 below for a detailed analysis of the recovered artifacts. Feature 1 is shown in plan view in Figure 8.

**Figure 8.** Feature 1 Plan View at 20 Inches Below Surface (1240)

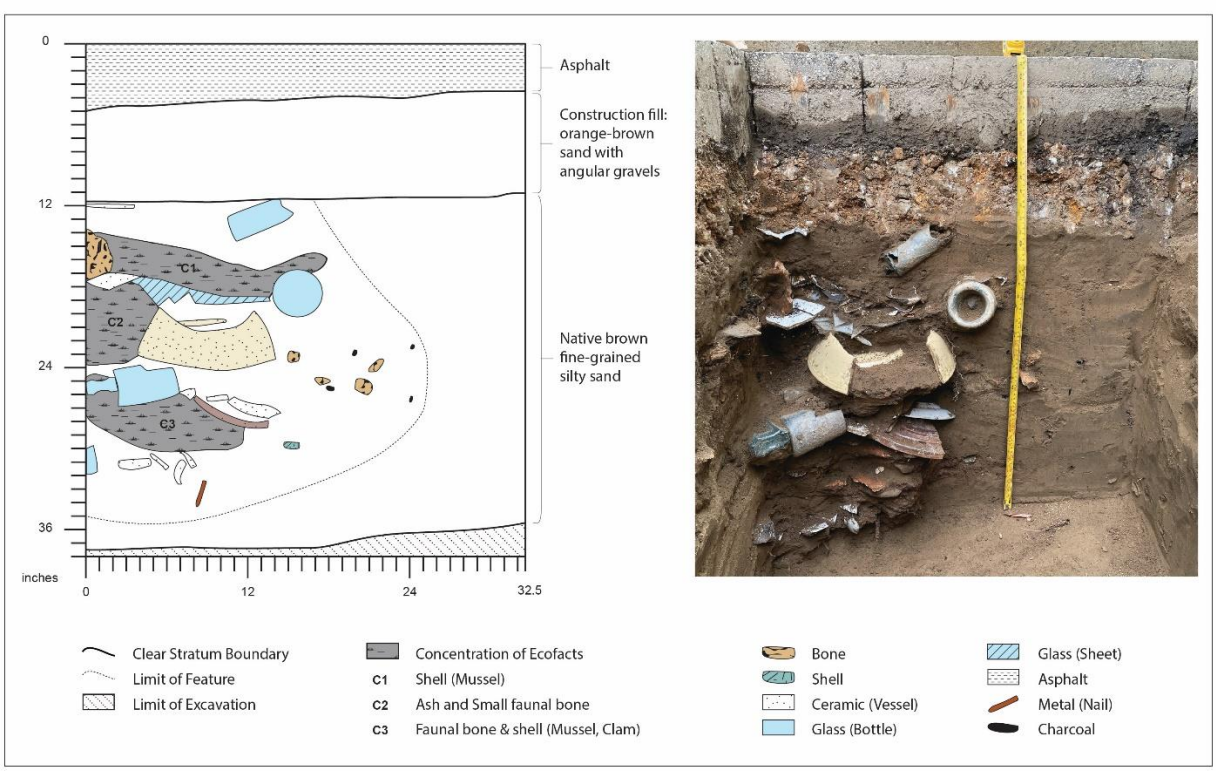
## Feature 2

Like Feature 1, Feature 2 was found immediately below the gravel fill supporting the asphalt parking surface. However, Feature 2 was larger and more compact. The top of Feature 2 was uncovered at 15 inches below the surface in the southeast corner of TT 2. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents appeared in situ and the feature seems likely to have been dug intentionally as part of one or several dumping events.

The observable dimensions of Feature 2 were 24 inches long (East-West), 20 inches wide (North-South), and 20 inches thick. The feature clearly extended into the east and south sidewall of TT 2, however. A 2-inch modern metal utility pipe bisected TT 2 between Features 1 and 2, approximately 14 inches north of Feature 2. No utility trench was visible as the pipe seems to be laying directly in the same native silty sand than both features.

A total of 171 historic period artifacts, 174 faunal bone specimens, 619.6 grams of avian shell, marine shell, and charcoal were recovered from Feature 2. Specific collected material included 41 ceramic whiteware sherds, 3 porcelain sherds, 1 intact whiteware bowl, 37 glass bottle shards, 21 pane glass shards, 1 canning jar lid shard, 1 intact milk glass button, 2 colorless glass decorative knobs, 5 glass tumbler shards, 1 intact aqua glass bottle, 1 spoon with a bone or ivory handle, 42 miscellaneous slag-covered pieces of hardware, 1 small engraved photo frame, 1 skeleton key, 1 pocketknife, 2 fragments of an etched metal dish, 6 shell button/button fragments, and 12 burned seeds, One soil sample containing charred organic material was also recovered during excavation. Many of the artifacts were temporally diagnostic or bore unique patterns, marks, and/or characteristics. See Section 6.2 below for a detailed analysis of the recovered artifacts. Feature 2 is shown in profile in Figure 8.

**Figure 9.** Feature 2 Profile, View South



## 6.2 Material Recovery and Analysis

Following fieldwork, post-field laboratory analysis was performed in the Dudek office in Santa Cruz, California. The work included sorting, washing, cataloging, and analyzing the archaeological collection. All recovered materials were individually examined and cataloged according to class, object (subclass), and material; counted and weighed on a digital scale. All coded data were entered into the general artifact catalog. All artifacts recovered during the excavation corresponded to the historic period and were thus categorized by material type. Dudek conducted further analysis for items that possessed diagnostic characteristics.

Table 2 presents gross material recovery by type and testing location. A total of 754 historical period items (including 686 grams of marine and avian shell) were recovered between the four TTs. An overwhelming percentage of the artifacts recovered were from TT 2, with 149 artifacts and 29.9 grams of marine shell specifically recovered from Feature 1 and 353 artifacts and 619.6 grams of avian shell, marine shell, and charcoal recovered from Feature 2 (see Table 2 for artifact count by TT and Feature). The compete artifact catalog is included in Appendix B.

### Table 2. Recovered Artifacts and Ecofacts by Class and Trench

| Test Location and Depth (in) | Artifacts by Class Type | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Historical Period Artifacts | | | | Ecofacts | | | | | Row Artifact Total Count (ct) / Weight (g) |
| | Glass | Ceramic | Metal | Other | Faunal Bone | Marine Shell (g) | Avian Shell (g) | Coal (g) | Seeds | |
| TT 1 | | | | | | | | | | |
| 0-21 | 26 | 8 | 59 | — | 1 | 0.3 | — | 9.2 | — | 94ct / 9.5g |
| 21-25 | 1 | — | — | — | — | — | — | — | — | 1 ct |
| 25-36 | — | — | 2 | — | — | — | — | — | — | 2 ct |
| **TT 1 Total** | **27** | **8** | **61** | **—** | **1** | **0.3** | **—** | **9.2** | **—** | **97ct / 9.5g** |
| TT 2 | | | | | | | | | | |
| 0-20 | 5 | 12 | — | — | 9 | — | — | 0.1 | — | 26ct / 0.1g |
| 20-82 | 1 | — | — | — | — | — | — | — | — | 1 ct |
| **TT 2 Total** | **6** | **12** | **—** | **—** | **9** | **—** | **—** | **0.1** | **—** | **27ct / 0.1g** |
| TT 2, Feature 1 | | | | | | | | | | |
| 15-29 | 18 | 79 | 7 | — | 45 | 29.9 | — | — | — | 149ct / 29.9g |
| **TT 2, Feature 1 Total** | **18** | **79** | **7** | **—** | **45** | **29.9** | **—** | **—** | **—** | **149ct / 29.9g** |
| TT 2, Feature 2 | | | | | | | | | | |
| 15-35 | 68 | 47 | 49 | 7 | 170 | 607.8 | 1.8 | 10 | 12 | 353ct / 619.6g |
| **TT 2 Feature 2 Total** | **68** | **47** | **49** | **7** | **170** | **607.8** | **1.8** | **10** | **12** | **353ct / 619.6g** |

### Table 2. Recovered Artifacts and Ecofacts by Class and Trench

| Test Location and Depth (in) | Artifacts by Class Type | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Historical Period Artifacts | | | | Ecofacts | | | | | Row Artifact Total Count (ct) / Weight (g) |
| | Glass | Ceramic | Metal | Other | Faunal Bone | Marine Shell (g) | Avian Shell (g) | Coal (g) | Seeds | |
| **TT 3** | | | | | | | | | | |
| 0-20 | 9 | 7 | 61 | — | 41 | 21.3 | — | 5.1 | — | 118ct / 26.4g |
| 20-34 | — | — | — | — | — | — | — | 0.5 | — | 0.5g |
| **TT 3 Total** | **9** | **7** | **61** | **—** | **41** | **21.3** | **—** | **5.6** | **—** | **118ct / 26.9g** |
| **TT 4** | | | | | | | | | | |
| 0-30 | 5 | 3 | 1 | — | 1 | — | — | — | — | 10ct |
| **TT 4 Total** | **5** | **3** | **1** | **—** | **1** | **—** | **—** | **—** | **—** | **10ct** |
| **Excavation Total** | **133** | **156** | **179** | **6** | **267** | **659.3** | **1.8** | **24.9** | **12** | **754ct / 686g** |

**Notes:** in = inches below the surface; TT = Test Trench.
Soil sample from TT 2 not included in totals.

## 6.2.1 Glass

One hundred and thirty-three glass artifacts were recovered between all four trenches. Several artifacts exhibited no diagnostic artifacts. These included 81 bottle shards of various colors, 9 fragments of paneled colorless glass tumblers, 1 shard of white milk glass from a canning jar lid, 3 colorless decorative knobs, and 21 shards of thin, aqua pane glass likely from photo frames (see Table 3 for recovered glass artifacts by TT). Three identical paneled aqua bottles without diagnostic characteristics were recovered in various stages of fragmentation (one intact, one broken at the neck, and one in seven shards; Cat Nos. 96, 48, and 57, respectively). One intact colorless glass bottle (Cat No. 16) was embossed with sunburst lines on the base, but the manufacturer could not be identified. One intact round, white, molded milk glass button (Cat No. 125) was recovered from Feature 2, but a finite temporal range could not be established. Five catalogue numbers (Cat Nos. 19, 46, 47, 87, and 99) exhibited characteristics that corresponded to a temporal range between the 1830s and the 1910s (see Table 4). These final five artifacts are described in detail below.

### Table 3. Glass Artifacts by Trench

| Unit | | Bottle Shards | Pane Shards | Tumbler Shards | Canning Lid Shards | Decorative Glass | Buttons | Nearly Complete Bottles | Complete Bottles | Row Total |
|---|---|---|---|---|---|---|---|---|---|---|
| TT 1 | | 24 | — | — | — | 1 | — | 1 | 1 | **27** |
| TT 2 | Isolate | — | — | 2 | — | — | — | 1 | 3 | **6** |
| | Feature 1 | 16 | — | 2 | — | — | — | — | — | **18** |
| | Feature 2 | 37 | 21 | 5 | 1 | 2 | 1 | — | 1 | **68** |
| TT 3 | | 9 | — | — | — | — | — | — | — | **9** |
| TT 4 | | 5 | — | — | — | — | — | — | — | **5** |
| **Total by Type** | | **91** | **21** | **9** | **1** | **3** | **1** | **2** | **5** | **133** |

## Table 4. Temporally Diagnostic Glass Artifacts

| ID | Unit | Feature / Depth (in) | Function | Mark | Date | Reference | Comments |
|---|---|---|---|---|---|---|---|
| Cat No. 19 | TT 1 | 25 in | Ink bottle | None | 1890s-1910s | Society for Historical Archaeology (SHA) 2021a | Complete semi-automated machine-manufactured bottle |
| Cat No. 46 | TT 2 | 14 in | Unknown | None | 1865-1870 | SHA 2021b | Complete dip-molded bottle with no seams |
| Cat No. 47 | TT 2 | 14 in | Medicinal bottle | Hegeman & Co, Chemists, New York | 1859-1878 | Bay Bottles 2016 | Fragmented cod liver oil bottle |
| Cat No. 87 | TT 2 | 20 in | Sauce/ Dressing bottle | Worcestershire Sauce, Lea & Perrins, B CO V | 1840s-1877 | Odyssey's 2022 | Intact bottle |
| Cat No. 99 | TT 2 | Feature 2 / 15-35 in | Perfume bottle | Murray & Lanman, Druggists, New-York | 1835-1853 | Bay Bottles 2018 | Fragmented Murray & Lanman's Florida Water bottle for toilets, handkerchiefs, or cologne |

Cat No. 19 is an intact, colorless ink bottle recovered from TT 1 at 25 inches below surface. The ink bottle bears no maker's mark but exhibits characteristics that identify it as an early example of semi-automated machine manufacturing. Identifying characteristics include a sharp horizontal ring encircling the base of the cylindrical bottle with side mold seams that end at the base of the finish (SHA 2021a). Based on these attributes, the bottle dates to the late 1890s–1910s.

Cat No. 46 is an intact colorless glass bottle with a flaking patina recovered from TT 2 above Features 1 and 2. No visible seams or maker's mark are present, and the glass matrix contains bubble inclusions. While the patination does not provide useful information to date the bottle, the lack of mold seams and the presence of the bubbles indicate the bottle was likely dip-molded versus manufactured in an automated machine (SHA 2021b). These characteristics suggest the bottle was manufactured between 1865 and 1870, when the manufacturing process transitioned to semi-automation.

Cat No. 47 is a complete aqua medicinal glass bottle recovered from TT 2 above Features 1 and 2. The bottle is embossed with "HEGEMAN & CO//CHEMISTS//NEW YORK///{mold mark}", and bubbles were noted within the glass matrix. Hegeman & Company was first established in New York in 1843 when William L. Rushton, an established wholesaler of pharmaceuticals and preparations created by himself, partnered with his employee, William Hegeman. After Rushton's death in 1855 and the creation and dissolution of multiple partnerships, Hegeman & Co. was established in 1859 (Bay Bottles 2016). Hegeman & Co. was primarily known for three products: Camphor Ice with Glycerin, Concentrated Benzine, and Cod Liver Oil, the latter of which was likely the contents of Cat No. 47. In 1878, Hegeman & Co. incorporated and began embossing the word "Incorporated" under the company name on their products. Cat No. 47 does not include this additional embossing and therefore likely dates between 1859 and 1878.

Cat No. 87 is a complete aqua glass bottle recovered from TT 2 as an isolate below 20 inches. The bottle is embossed with "WORCESTERSHIRE SAUCE/LEA & PERRINS///B/C 0/V". First commercially produced in England in 1838, Lea & Perrins began being imported into the US in the 1840s by John Duncan's Sons, New York (Odyssey's 2022). In 1877, John Duncan began production of Lea & Perrins Worcestershire Sauce in partnership with Salem Glass Works, who embossed the bases of those bottle with the initials "JDS". Since Cat No. 87 lacks the embossed JDS initials, it likely was an imported bottle rather than one produced in the US. These characteristics date the bottle between the early 1840s and 1877.

Cat No. 99 is a nearly complete aqua glass bottle in 10 fragments, and one of two significant glass specimens recovered from Feature 2 in TT 2. The bottle is embossed with "RIDA/MURRAY & LANMAN/DRUGGISTS/ [N]EW YORK///19". Murray & Lanman first registered in 1835 and was a partnership between Lindley Murray and Davin Trumball Lanman. Both Murray and his brother were established druggists in New York at the time. After Murray's death in 1848, Lanman ran the business as a sole proprietor until 1853 when he formed a new partnership with George Kemp called David T. Lanham & Co. (Bay Bottles 2018). Murray & Lanham produced Florida Water, a toilet water or perfume that could be added to toilets, baths, or handkerchiefs. Under different incorporations, the same product has been sold now for over 200 years. Although it was first available in the US in 1808, bottles were not embossed with the Murray & Lanman name until 1835. Based upon these characteristics, the bottle dates between 1835 and 1853.

### 6.2.2 Ceramics

Ceramic artifacts were also recovered from all four trenches, totaling 156 specimens (see Table 5). Several ceramic sherds exhibited no diagnostic characteristics. These included 89 undecorated/unmarked whiteware sherds, 18 unmarked whiteware sherds exhibiting decoration (molded or printed pattern), 6 porcelain sherds, and 10 sherds of miscellaneous composition (brick, terra cotta, Monterey stone). Half of a white porcelain bead with black paint (Cat No. 8) was recovered from TT 1 21 inches below the surface. A complete, undecorated, white clay bead (Cat No. 126) was recovered from TT 2 between 21 and 35 inches below the surface. Neither bead exhibited distinguishable characteristics. The rest of the ceramic assemblage was highly fragmented. Sixteen sherds contained portions of printed or embossed maker's marks that were illegible (Cat Nos. 44, 73, 76, 94, 105, 136, 138, and 143). Twelve sherds (Cat Nos. 71, 72, 74, 75, 77, 95, 106, 139, and 144) recovered from TT 2 exhibited complete or identifiable portions of maker's marks that corresponded to a temporal range of roughly 90 years, between 1804 and the 1890s (see Table 6). These final 14 artifacts are described in detail below.

**Table 5. Ceramic Artifacts**

| Unit | | Undecorated Whiteware Sherds | Decorated Whiteware Sherds | Porcelain Sherds | Beads | Misc. Sherds (brick, terra cotta, Monterey Stone) | Complete Whiteware | Row Total |
|---|---|---|---|---|---|---|---|---|
| TT 1 | | — | 1 | 1 | 1 (porcelain) | 5 | — | 8 |
| TT 2 | Isolate | 6 | 6 | — | — | — | — | 12 |
| | Feature 1 | 68 | 10 | 1 | — | — | — | 79 |
| | Feature 2 | 40 | 1 | 3 | 1 (clay) | 1 | 1 | 47 |
| TT 3 | | 2 | — | 1 | — | 4 | — | 7 |
| TT 4 | | 3 | — | — | — | — | — | 3 |
| Total by Type | | 119 | 18 | 6 | 2 | 10 | 1 | 156 |

### Table 6. Temporally Diagnostic Ceramic Artifacts

| ID | Unit | Feature / Depth (in) | Description | Date | Reference |
|---|---|---|---|---|---|
| Cat No. 71 | TT 2 | Feature 1 / 15-29 in | Single WIE base sherd with partial mark reading, "Porcelain, Adams". | 1804-1840 | The Potteries 2022a |
| Cat No. 72 | TT 2 | Feature 1 / 15-29 in | Single WIE base sherd with partial mark of the Prince of Wales Coat of Arms, and "[Ro]yal Patent, Ironstone, [Bur]gess & Goddard" below. | 1840s-1890s | The Potteries 2022b |
| Cat No. 74 | TT 2 | Feature 1 / 15-29 in | Nearly complete WIE bowl consisting of a single, large sherd with a complete printed mark consisting of the Prince of Wales Coat of arms above "Royal Patent, Ironstone, Burgess & Goddard". | 1840s-1890s | The Potteries 2022b |
| Cat No. 75 | TT 2 | Feature 1 / 15-29 in | Two WIE base sherds that fit together with a printed mark that reads, "Imperial White Granite" and "Gelson Bros, Hanley" above and below a Royal Coat of Arms respectively. | 1867- 1876 | The Potteries 2022c |
| Cat No. 77 | TT 2 | Feature 1 / 15-29 in | Single WIE base sherd with a printed mark of a Crown & Banner. Inside a blank triangle in the center of the design "Ironstone, China, Powell & Bishop" is printed. | 1867- 1878 | The Potteries 2022d |
| Cat No. 95 | TT 2 | Feature 2 / 15-35 in | 2 base sherds of WIE with intact mark of an eagle and shield with "French Porcelain, Adams" in a banner below. | 1804-1840 | The Potteries 2022a |
| Cat No. 106 | TT 2 | Feature 2 / 15-35 in | Single WIE base sherd with a printed mark of a Royal Coat of Arms. In the banner of the image "Dieu et Mon Droit, Stone China, J.T Cose & Co, Stoke Upon Trent" is written. | 1860s | The Potteries 2022f |
| Cat No. 139 | TT 2 | Feature 2 / 21-35 in | Two WIE base sherds with a printed mark consisting of a Royal Coat of Arms. In the banner, "[Di]eu et Mon Droit, W&T Adams, Ironstone China, Tunstall" is written. | 1862- 1866 | The Potteries 2022e |
| Cat No. 144 | TT 2 | Feature 2 / 21-35 in | Single WIE base sherd with a partial printed mark reading "T Adams, Ironstone Chi[na], Tunstall" written in a banner. | 1862- 1866 | The Potteries 2022e |

Cat No. 71 consists of a single plain whiteware base sherd with a partial printed maker's mark reading, "PORCELAIN"}/ADAMS". The sherd was recovered from TT 2 Feature 1. Additionally, Cat No. 95, recovered from TT 2 Feature 2, is printed with an identical but complete printed maker's mark. Cat No. 95 consists of 2 plain whiteware sherds that retrofit together, displaying a mark that reads, "{In banner: IMPERIAL}/{Eagle with Coat of Arms}/{In banner: FRENCH PORCELAIN}/ADAMS". The eagle in this printed mark represents the Great Seal of the United States, used to authenticate certain federal documents, and dates between 1804 and 1840 (The Potteries 2022a).

Cat No. 72 is a single plain whiteware base sherd with a partial printed maker's mark reading, "{partial Prince of Wales Coat of Arms. In banner: "ET MON DROIT"} /[RO]YAL.PATENT./[I]RONSTONE./[BUR]GESS & GODDARD", recovered from Feature 1 in TT 2. Cat No. 74, also recovered from Feature 1 in TT 2, is a nearly complete plain whiteware bowl with an intact printed maker's mark identical to Cat No. 72 reading, "{Prince of Wales Royal Coat

of Arms}/ROYAL PATENT/IRONSTONE/BURGESS & GODDARD". Burgess and Goodard were importers based out of Longton in the UK. The company traded under the name Burgess & Goddard in the US and Goodard & Burgess in the UK 9 (The Potteries 2022b). The company operated between the 1840s and the 1890s.

Cat No. 75 consists of two plain whiteware sherds that fit together with the printed maker's mark reading, "IMPERIAL WHITE GRANITE/{Royal Coat of Arms}/GELSON BROS HANLEY." The sherds were recovered from Feature 1 in TT 2. The partners of Gelson Bros included Elizabeth Sander, Thomas Gelson, William Gelson, James Gelson, and George Gelson. The company originally produced white graniteware specifically for the American market but eventually switched production to high class goods for the home trade, such as gilded, printed or enameled service sets (The Potteries 2022c). The partnership dissolved in 1876. Cat No. 75 dates between 1867 and 1876, but likely was produced in the late 1860s before the company abandoned the American market.

Cat No. 77 consists of a complete plain whiteware base sherd with a printed maker's mark that reads, "{Crown & Banner/ Inside triangle of design: IRONSTONE/CHINA/In banner: POWELL & BISHOP.}". The sherd was recovered from Feature 1 in TT 2. Powell & Bishop was originally founded in 1851 as Livesley, Powell & Co. Shortly thereafter in 1860, the partnership with Livesley was dissolved and the company rebranded as Powell & Bishop in 1867. Powell & Bishop produced China and earthenware in Stoke-on-Trent together until 1878, when a new partner joined the company and they rebranded again as Powell, Bishop & Stonier (The Potteries 2022d). Cat No. 77 likely dates between 1867 and 1878 as the printed maker's mark reads "Powell& Bishop" without another partner's name.

Cat No. 139 consists of 2 plain whiteware sherds that fit together with a printed maker's mark that reads, "{Royal Coat of Arms}/ {In banner: EU ET MON DROIT/W&T ADAMS/IRONSTONE CHINA}/ TUNSTALL". The sherds were recovered from Feature 2 in TT 2 between 21 and 35 inches. Similarly, Cat No. 144 consists of a single plain whiteware sherd, also recovered from Feature 2 in TT 2 between 21 and 35 inches. Cat No. 144 has a partial printed maker's mark that reads, "{In banner: T. ADAMS/CHI[NA]}/TUNSTALL". William and Thomas Adams were brothers in a large family of potters from the UK. The brothers, along with three of their cousins, extensively produced various forms of ceramic products throughout the 19th century. The Adams family began earthenware production as early as 1650 (The Potteries 2022e). Ironstone and other earthenware bearing the printed maker's mark with both brothers' initials date between 1862 and 1866.

Cat No. 106 is a single plain whiteware sherd recovered from Feature 2 in TT 2. The printed maker's mark on the sherd reads, "{Royal Coat of Arms}/{In banner: DIEU ET MON DROIT}/ STONE CHINA/J.T. CLOSE & CO/STOKE UPON TRENT". J.T. Close & Co. was owned and primarily solely operated by John Theophilus Close in Stoke-on-Trent between 1855 and 1869. Close operated out of the Bridge Bank Works, a factory previously managed by competing potters William Adams & Sons. Close struggled financially, filing for bankruptcy at least three times and even marked his earliest wares with a "late W. Adams & Sons" mark to gain popularity in the market (The Potteries 2022f). In the later years of production Close took on partners and added "& Co." to his business name. Since Cat No. 106 is printed with "& CO." it like dates to the 1860s when Close had added partners.

### 6.2.3 Metal

Between the four trenches, 179 metal artifacts were recovered (see Table 7). Several of the metal artifacts exhibited no diagnostic characteristics. These included 44 miscellaneous chunks of slag, 128 slag-covered hardware (including nails, bolts, washers, and wire), 2 fragments of a thin, decoratively etched brass dish, 1 similarly engraved 4-inch brass picture frame, and 1 etched bowl-end of a spoon. Three artifacts were identifiable, but a specific date range of manufacture could not be constructed (Cat Nos. 131 and 132; see Table 8). These artifacts are briefly described in detail below.

### Table 7. Metal Artifacts

| Unit | | Partial & Complete Nails | Misc. Hardware | Unidentifiable Slag | Tools | Tableware | Personal/ Decorative Items | Row Total |
|---|---|---|---|---|---|---|---|---|
| TT 1 | | 48 | 2 | 11 | — | — | — | 61 |
| TT 2 | Isolate | – | – | – | – | – | – | – |
| | Feature 1 | 4 | 1 | 2 | – | – | – | 7 |
| | Feature 2 | 16 | 5 | 21 | 3 | 1 | 3 | 49 |
| TT 3 | | 50 | 1 | 10 | – | – | – | 61 |
| TT 4 | | 1 | – | – | – | – | – | 1 |
| | Total by Type | 119 | 9 | 44 | 3 | 1 | 3 | 179 |

### Table 8. Temporally Diagnostic Metal Artifacts

| ID | Unit | Feature / Depth (in) | Function | Description | Date | Reference |
|---|---|---|---|---|---|---|
| Cat No. 131 | TT 2 | Feature 2 / 21-35 in | Tool | Barrel key with decoratively shaped bow in two pieces. | Early to mid-1800s | LockRite 2022 |
| Cat No. 132 | TT 2 | Feature 2 / 21-35 in | Tool | Nearly complete pocketknife with etched wood grain design. Blade appears to have broken off but may contain other attachments embedded in slag. | 1850s to early 1900s | Peterson 1958 |

Cat No. 131 is a barrel key in two pieces recovered from Feature 2 in TT 2 between 21 and 35 inches. Cat No.131 appears to be a barrel key, which is very similar to a skeleton key but lighter due to its hollow shaft. Barrel keys also lack the pre-cut pattern skeleton keys have on the tip and biting. Medium-sized keys like Cat No. 131 were between 2 and 4 inches and were usually manufactured for doors. The modern "flat key" was first created and mass-produced ca. 1848 by Linus Yale Sr. and Jr. (LockRite 2022). Based on its style and size, Cat No.131 most likely dates between the early to mid-1800s.

Cat No. 132 is a slag-covered pocketknife recovered from Feature 2 in TT 2. The knife is engraved with a faux-bone design on at least one side. The blade of the knife is extended and broken near the base. Folding knives have existed since the Roman era, with many different styles and sizes. During the American Revolution soldiers carried a large, folding single-blade knife called a 'Jack knife" (Peterson 1958). Later during the 19th century during the Industrial Revolution many different specialized blades became available. Folding knives began to include accessory tools such as corkscrews, saws, awls, screwdrivers, scissors, files, and can openers during this period. While it's difficult to discern much detail on Cat No. 132 due to the effects of rust, it appears the knife may contain accessory attachments and likely dates between the 1850s to early 1900s.

### 6.2.4 Other Historical Artifacts

Four shell buttons were recovered from Feature 2. Cat Nos. 110 and 123 are very degraded shell (likely mother-of-pearl or abalone) buttons in 2 pieces. Both have 4 holes in a depressed center with no hard edge. Cat No. 124 is an abalone 1-5/8-inch button with 2 holes in a raised center. Similarly, Cat No. 154 is also an abalone 1-5/8-inch button but has flat sides and 4 holes concentrated in the center. During the nineteenth century, shell buttons with two holes were the most common, but styles with four holes are found frequently in historical contexts. Shell buttons were frequently made from bivalves, including mussel, oyster, clam, and abalone. Buttons in the early to mid-1800s would have been handmade until ca. 1850 when machine-cut versions began dominating the market during the Industrial Revolution (Nichols 2019).

### 6.2.5 Ecofacts

TT 2 yielded 12 burned stone fruit pits and coffee beans (Cat Nos. 89 and 153) both recovered from within Feature 2 at 21–35 inches and 16.5–20 inches respectively. Twenty-one fragments of charcoal (Cat No. 90) weighing 10 grams were found in association with Cat No. 89. An additional fragment of charcoal (Cat No. 82; 0.1g) was recovered at 13 inches in TT 2, as well as 25 fragments weighing 5.6 grams from TT 3 (Cat Nos. 38 and 45) and 17 fragments weighing 9.2 grams from TT 1 (Cat No. 18). A gallon-Ziplock bag soil sample was taken from the surrounding soil (Cat No. 88). The seeds, pit, and charcoal were carefully separated and are stored in a manner preserving their integrity in case radiocarbon analysis is determined to be necessary,

Additionally, 1.8 grams of avian eggshell fragments (Cat No. 147) were recovered from Feature 2 in TT 2 at 70 inches. The shell fragments are white and likely the remnants of a hard-boiled chicken or duck egg. The amount of shell and texture indicate a medium-sized egg that is not from wild fowl such as quail or turkey.

#### 6.2.5.1 Invertebrate Remains

Several fragments of invertebrate remains from locally available species were recovered from TT 1, 2, and 3 (see Table 9). Over 450 mussel (*Mytilus* sp.) fragments weighing 549.2 grams were recovered, with 93% exclusively from TT 2. Additional species recovered from Feature 2 in TT 2 included Black Turban Snail (*Tegula* sp.), abalone (*Haliotis* sp.), and various clams (*Leukoma* sp., *Tivela* sp., and *Venerupis* sp.). Although the collected invertebrate assemblage appears degraded from soil leeching and exposure to the elements, no anthropogenic modifications, such as burning, were observed.

**Table 9. Recovered Marine Shell by Trench**

| Unit | | Abalone (g) | Clam (g) | Mussel (g) | Turban Snail (g) | Row Total |
|---|---|---|---|---|---|---|
| TT 1 | | – | – | 0.3 | – | **0.3** |
| TT 2 | Isolate | – | – | – | – | – |
| | Feature 1 | 24.1 | – | 5.8 | – | **29.9** |
| | Feature 2 | – | 81.6 | 521.8 | 4.4 | **607.8** |
| TT 3 | | – | – | 21.3 | – | **21.3** |
| TT 4 | | – | – | – | – | – |
| | Total by Type | **24.1** | **81.6** | **549.2** | **4.4** | **659.3** |

#### 6.2.5.2 Vertebrate Remains

The vertebrate assemblage consisted of diverse species both domestic and wild. All specimens reflect species that would have been locally available historically. The number of identified specimens (NISP) recovered totaled 269 between all four trenches (see Table 10). An overwhelming percentage of the faunal material recovered was from TT 2 with 16.8% (NISP=45) of the overall assemblage recovered from Feature 1 and 64.6% (NISP=174) from Feature 2. Over half of the assemblage (53.9%; NISP=144) was anthropogenically modified, including evidence of cut marks, burning, and saw cut portioning. Several of the specimens recovered (NISP=186) were too fragmented or too burned to identify beyond Class. Of this portion 140 specimens were attributed to Terrestrial Mammals and 50 to Avian.

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**Table 10. Number of Identifiable Vertebrate Specimens (NISP) by Trench**

| Unit | | Terrestrial Mammal | | | | | | | | Avian | | | | Fish | | | | | | Row Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Undiff. | | B. taurus | | O. aries | | O. beecheyi | | Undiff. | | M. gallopavo | | Undiff. | | Sebastes sp. | | Salmonidae | | | |
| | | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g |
| TT 1 | | 1 | 0.3 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 1 | 0.3 |
| TT 2 | Isolate | 1 | 6.4 | 4 | 38.4 | – | – | – | – | 2 | 0.8 | – | – | – | – | – | – | – | – | 7 | 45.6 |
| | Feature 1 | 14 | 84.1 | 2 | 40.3 | 11 | 162.1 | – | – | 18 | 17.5 | – | – | – | – | – | – | – | – | 45 | 304 |
| | Feature 2 | 83 | 135.2 | 23 | 578.9 | 17 | 78.7 | – | – | 30 | 44.1 | 2 | 17.1 | – | – | 17 | 5.9 | 2 | 2.5 | 174 | 862.4 |
| TT 3 | | 40 | 29.6 | – | – | – | – | 1 | 0.3 | – | – | – | – | – | – | – | – | – | – | 41 | 29.9 |
| TT 4 | | 1 | 1.4 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 1 | 1.4 |
| | Total by Type | 140 | 257 | 29 | 657.6 | 28 | 240.8 | 1 | 0.3 | 50 | 62.4 | 2 | 17.1 | – | – | 17 | 5.9 | 2 | 2.5 | 269 | 1,243.6 |

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Seventy-nine terrestrial mammal specimens identifiable to a species level. Mammals observed in the assemblage included ground squirrel (*Otospermophilus beecheyi;* NISP=1), domestic sheep (*Ovis aries*; NISP=28), and cow (*Bos taurus*; NISP=29). Terrestrial mammals were the most modified and exhibited the widest variety of modifications in proportion to the percentage modified. Cut marks, burning, and saw cut portioning were common within this classification. All of the specimens identified as domestic sheep exhibited unfused epiphyses indicating the individual was a juvenile. Age determination was not possible on most specimens as this portion of the assemblage was highly modified and fragmented.

Several avian specimens were recovered reflecting consumption of wild game. Intact specimens and the portions of shaft fragments from long bone indicate wild turkey (*Meleagris gallopavo*; NISP=2) and smaller game, such as quail (*Callipepla californica*) or Clapper rail-sized fowl (NISP=38) were consumed. No domesticated avian specimens were recovered during excavation.

Pelagic fish were also represented in the faunal assemblage recovered specifically from Feature 2 in TT 2. Cranial elements (NISP=19) recovered indicate at least two species of fish were consumed, including Pacific Rockfish (Subcats Nos. 41-43, 50, and 60-65; NISP=17) and an individual from the Salmonidae family (Subcats Nos. 44 and 45; NISP=2). Salmonidae consists of extant species of ray-finned Salmonid fish such as Atlantic and Pacific salmon, trout, char, freshwater whitefish, grayling, taimen, and lenoks. Nine of the specimens exhibited evidence of burning (Subcats Nos. 60-65). No other anthropogenic modifications were noted.

### 6.2.6 Discussion

The artifact assemblage for the overall project correlates to a date range roughly between the 1840s and 1890s. These dates are primarily associated with the dense glass and ceramic components recovered from Features 1 and 2 in TT 2. Few specimens of these categories correlated to earlier dates but may be reflexive of items individuals and families have passed down or had in a collection before discarding. The recovered assemblage suggests the area around Trench 1 and 2 included middle to upper class hotels and/or restaurants at that time. The assemblage is impersonal in nature; only the ink bottle (Cat No.19), pocketknife (Cat No. 132), photo frame (Cat No. 134), and buttons (Cat Nos. 110, 123, 124, 125, and 154) appear to be relatively personal items. In a residential site, it is common to recover a much wider variety of personal items at greater frequency relative to the overall assemblage. These items would typically include such artifacts as personal grooming items (cold cream jars, perfume/cologne bottles, mirrors or combs, etc.) hobby and personal interest items (tobacco pipes, children's toys, etc.), or bottles from medicinal treatments.

The artifact assemblage also reflects a middle to higher socioeconomic status near TT 2. The presence of several types of dishes of similar design and style are typical of a dining set with pieces for different forms of consumption and events. The ceramic portion of the artifact assemblage consists of porcelain, plates with printed designs, bowl fragments, decorative knobs and handles, and dish fragments with decorative molded designs. The glass tumbler fragments recovered (Cat Nos. 83, 98, and 122) appeared to belong to two distinctive matching sets with decorative embossed paneling and design. The single spoon recovered (Cat No. 145) was decoratively engraved and had a bone handle. A typical lower socioeconomic household or establishment would have fewer styles of dishes and without flair or decoration due to the relatively higher cost.

## Feature 1

Feature 1 was found in the central portion of TT 2 just under the gravel fill supporting the asphalt parking surface, at approximately 15 inches below the surface. Feature 1 is intrusive into native soil and appears in situ, it seems likely it was dug intentionally as part of one or several dumping events. Although a total of 149 artifacts and 29.9g of marine shell were recovered from Feature 1, only six ceramic artifacts were temporally diagnostic (Cat Nos. 71, 72, 74, 75 and 77). These artifacts date the Feature between 1804 and the 1890s. This broad temporal range is similar to Feature 2 as well as the material recovered from the other trenches. TT 1 contained a single diagnostic artifact, Cat No. 19, an ink bottle dating between the 1890s and 1910. Isolates recovered from above the Features in TT 2 date between the 1840s to 1878 (Cat Nos. 46-48, 87). No temporally diagnostic material was recovered from TT 3 or TT 4.

## Feature 2

Like Feature 1, Feature 2 was found immediately below the gravel fill supporting the asphalt parking surface. However, Feature 2 was larger and more compact. The top of Feature 2 was uncovered at 15 inches below the surface in the southeast corner of TT 2. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents appeared in situ and the feature seems likely to have been dug intentionally as part of one or several dumping events. Like Feature 1, only a small portion (19 of 171 artifacts) were temporally diagnostic (Cat Nos. 95, 99, 106, 131, 132, 139, and 144). These artifacts date the Feature between 1835 and 1910, similar to Feature 1, and the isolates from TT 2, and TT 1.

Consumption activities, or at the least the discarding of the evidence of consumption activities, is concentrated around Feature 2. The highest percentage of ecofacts, including burned coffee beans and stone fruit pits, were recovered between 16 and 36 inches below the surface within Feature 2. Individuals appear to have consumed domestically raised lamb, beef, and other terrestrial mammals that were primarily butchered utilizing a bone saw. The domestic sheep bone fragment is consistent with a hind shank meat cut, which would have been typical for the mid- to late 1800s. Historic-era meat cuts were typically standardized, which resulted in relatively uniform cuts between meats. Over time these cuts became more specialized to each species with less of the “undesirable” portions, such as large portions of long bone, being sold to the public by the early to mid-1900s (Milne and Crabtree 2000). Locally available fish including Pacific Rockfish and salmon or trout as well as shoreline-accessible shellfish (mussel, abalone, clam) were represented in the assemblage. Wild avian resources were also exploited as elements from small undomesticated fowl were observed.

# 7 Associated Historical Research

This section presents historical research focused on the property at the southeast corner of the intersection of Lincoln and Cedar Streets. Information from the 1886, 1888, 1892, 1905, 1915, Sanborn maps and the 1940 aerial photos provided by Albion (D'Oro 2022) suggest the building located at the corner (previously addressed as 40 Lincoln Street and 25 Lincoln Street) was the main structure on the parcel where F1 and F2 were identified. The research was conducted by Dudek historian, Fallin Steffen, MPS.

According to the 1866 Forman and Wright survey, the property comprised part of a 1.5-acre lot that was owned by Andrew Trust. An 1873 article in the Santa Cruz Weekly Sentinel indicates that Andrew Trust was operating a Boarding house on his property. The earliest available Sanborn map covering the property dates to 1886. At this time, the property contained a one-story, L-shaped wood-frame residential building with a long porch located on the east elevation. Two smaller one-story out-buildings are present along the southern property line. The 1888 and 1892 Sanborn maps show no visible changes to the property. The 1905 Sanborn map indicates that the two outbuildings have been replaced or combined to form a rectangular stable building situated along the southern property line. The 1928 Sanborn map indicates that the main residence has had an expansion added to the rear of the building, and the stable has been replaced by a small, one-story L-shaped building. A small building constructed of stone is now present between the main residence and the new rear building. By 1956, historic aerial photography indicates that the buildings on the property have been demolished and a paved parking lot now occupies the site (City of Santa Cruz 1944: L-2; SC Weekly Sentinel 1873: 3; Sanborn Map Company 1886, 1888, 1892, 1905 and 1928). The structures at the northwest corner of Lincoln and Cedar are shown in circa 1925-1935 photograph in Figure 10. Note that the shape of the structures matches the building footprints and porch locations shown in Figure 3.

**Figure 10.** Historical Photograph of the Northwest Corner of the Intersection of Lincoln and Cedar Streets, View Southeast, Circa 1925–1935

# 8 Summary and Recommendations

The present subsurface testing has confirmed the presence of a potentially significant historical period archaeological resource within the Project Area. Results suggest that the sensitivity for finding prehistoric-era archaeological resources is low. Due to the fact that historic artifacts were recovered in each excavated trench, it is likely that the entire project area is a historic-era archaeological site. That two intact historic features were identified within one of the trenches highlights the sensitivity of the parcel for harboring intact historic contexts that could be used to evaluate the site as a potential historical resource under CEQA. However, due to the small sample size, the current study cannot characterize the cultural deposits present across the entire project area.

The results of this Extended Phase I investigation highlight that there is potential for the resource identified to be classified as a historic resource, as defined by CEQA. However, the sample size for the testing presented in this report is too small to confidently characterize the archaeological potential of the project area to address relevant research questions that could be used to determine whether the resource represents a historic resource under CEQA or whether it does not meet that threshold. Therefore, Dudek recommends Phase II archaeological testing to broaden and intensify the geographic coverage of the investigation. The Phase II testing should be guided by a research design developed using the results of Albion (D'Oro 2022) and this report and integrated into a work plan to describe the field work and analytical methods that will be used to complete the Phase II evaluation. A final Phase II report should evaluate the historic archaeological resources in the project area for CRHR eligibility under CEQA.

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# Appendix A

## National Archaeological Database Information

# NATIONAL ARCHAEOLOGICAL DATABASE (NADB) INFORMATION

| | |
|---|---|
| **Authors**: | Ryan Brady, MA, RPA, John Schlagheck, MA, RPA, and Angela Moniz, MA, RPA, Julie Royer, MA, and Fallin Steffen, MPS |
| **Firm:** | Dudek |
| **Project Proponent:** | City of Santa Cruz, California |
| **Report Date:** | November 2022 |
| **Report Title:** | Extended Phase I Archaeological Testing for the Downtown Library Mixed-Use Project, Santa Cruz, California |
| **Type of Study:** | Archaeological Testing |
| **Resources:** | None |
| **USGS Quads:** | 7.5-minute *Santa Cruz* Quad |
| **Acreage:** | ~1.5 acres |
| **Permit Numbers:** | Permit Pending |
| **Keywords:** | Central Coast, Archaeological Testing, Historical Period Archaeology, Santa Cruz, CA |

# Appendix B
## Artifact Catalog

# Appendix B. Master Catalog Report

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Trench | 1 | | | 21 | MET | Metal | Complete | 1 | 13.2 | Complete bolt covered in slag. |
| 2 | Trench | 1 | | | 21 | MET | Metal | Complete | 22 | 101.8 | Complete nails covered in slag. |
| 3 | Trench | 1 | | | 21 | MET | Metal | Fragment | 24 | 69.9 | Partial nails covered in slag. |
| 4 | Trench | 1 | | | 21 | MET | Metal | Fragment | 11 | 6.6 | Misc. metal fragments covered in slag. |
| 5 | Trench | 1 | | | 21 | MOD | Metal | Complete | 1 | 1.3 | Part of a clamp |
| 6 | Trench | 1 | | | 21 | IVR | Shell | Fragment | 1 | 0.3 | Mytilus |
| 7 | Trench | 1 | | | 21 | VER | Bone | Fragment | 1 | 0.3 | Burned bone fragment |
| 8 | Trench | 1 | | | 21 | OCR | Ceramic | Fragment | 1 | 0.4 | Half of a ceramic bead, black & white. |
| 9 | Trench | 1 | | | 21 | CER | Ceramic | Fragment | 1 | 5.3 | Fragment of WIE with printed floral motif. |
| 10 | Trench | 1 | | | 21 | CER | Ceramic | Fragment | 1 | 3.3 | Porcelain w/ green stripe and gold filagree design. |
| 11 | Trench | 1 | | | 21 | GLS | Glass | Fragment | 2 | 1.2 | Olive green bottle shards. |
| 12 | Trench | 1 | | | 21 | GLS | Glass | Fragment | 2 | 3.2 | Amber bottle shards. |
| 13 | Trench | 1 | | | 21 | GLS | Glass | Fragment | 5 | 11.9 | Aqua bottle shards. |
| 14 | Trench | 1 | | | 21 | GLS | Glass | Fragment | 15 | 14.6 | Colorless bottle shards. |
| 15 | Trench | 1 | | | 21 | GLS | Glass | Complete | 1 | 7.7 | Colorless decorative knob/handle. |
| 16 | Trench | 1 | | | 21 | GLS | Glass | Almost Complete | 1 | 31.6 | Nearly complete colorless bottle with patina. Seam on sides//pannel on front//sunburst lines with 1 in center on bottom. |
| 17 | Trench | 1 | | | 21 | CER | Ceramic | Fragment | 5 | 1133.9 | Brick fragments with no MM. |
| 18 | Trench | 1 | | | 21 | C14 | Charcoal | Fragment | 17 | 9.2 | Charcoal fragments. |
| 19 | Trench | 1 | | | 25 | GLS | Glass | Complete | 1 | 105.3 | Intact colorless ink bottle. |
| 20 | Trench | 1 | | | 25 | MET | Metal | Fragment | 2 | 5.9 | Partial nails. |
| 21 | Trench | 3 | | | 20 | IVR | Shell | Fragment | 34 | 21.3 | Mytilus |
| 22 | Trench | 3 | | | 20 | VER | Bone | Fragment | 18 | 9 | Unmodified, unidentifiable T mammal fragments. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | Trench | 3 | | | 20 | VER | Bone | Fragment | 2 | 2.1 | Unidentifiable T mammal fragments with cut marks. |
| 24 | Trench | 3 | | | 20 | VER | Bone | Fragment | 1 | 0.3 | T mammal with cut mark. L tibia prx fragment. |
| 25 | Trench | 3 | | | 20 | VER | Bone | Fragment | 4 | 5.1 | Saw-cut T Mammal fragments. |
| 26 | Trench | 3 | | | 20 | VER | Bone | Fragment | 16 | 13.4 | Burned unidentifiable T mammal fragments. No other mods. |
| 27 | Trench | 3 | | | 20 | GLS | Glass | Fragment | 4 | 3.8 | Colorless bottle shards. |
| 28 | Trench | 3 | | | 20 | GLS | Glass | Fragment | 5 | 8.6 | Aqua bottle shards. |
| 29 | Trench | 3 | | | 20 | CER | Ceramic | Fragment | 1 | 28.7 | Brown glazed ceramic sherd. Possible sewage pipe fragment. |
| 30 | Trench | 3 | | | 20 | CER | Ceramic | Fragment | 1 | 6.4 | Possible slate or monterey stone fragment. |
| 31 | Trench | 3 | | | 20 | CER | Ceramic | Fragment | 1 | 0.2 | Porcelain, white. |
| 32 | Trench | 3 | | | 20 | CER | Ceramic | Fragment | 2 | 1 | Two brick fragments. |
| 33 | Trench | 3 | | | 20 | CER | Ceramic | Fragment | 2 | 3.3 | Two white WIE sherds. |
| 34 | Trench | 3 | | | 20 | MET | Metal | Almost Complete | 1 | 14.9 | Nearly complete bolt. |
| 35 | Trench | 3 | | | 20 | MET | Metal | Complete | 18 | 79 | Complete nails. |
| 36 | Trench | 3 | | | 20 | MET | Metal | Fragment | 32 | 51.3 | Partial nails. |
| 37 | Trench | 3 | | | 20 | MET | Metal | Fragment | 10 | 12.3 | Misc. undertermined metal fragments covered in slag. |
| 38 | Trench | 3 | | | 20 | C14 | Charcoal | Fragment | 18 | 5.1 | Charcoal fragments. |
| 39 | Trench | 4 | | | 30 | MOD | Other | Fragment | 1 | 0 | Styrofoam fragment |
| 40 | Trench | 4 | | | 30 | MET | Metal | Complete | 1 | 3.2 | Complete nail. |
| 41 | Trench | 4 | | | 30 | VER | Bone | Fragment | 1 | 1.4 | Saw-cut T Mammal fragment. |
| 42 | Trench | 4 | | | 30 | GLS | Glass | Fragment | 2 | 5.9 | Aqua bottle shards. |
| 43 | Trench | 4 | | | 30 | GLS | Glass | Fragment | 3 | 2.7 | Colorless bottle shards. |
| 44 | Trench | 4 | | | 30 | CER | Ceramic | Fragment | 3 | 28.7 | 3 White WIE sherds. 1 Has an "R" printed on base. No other MM visible. |
| 45 | Trench | 3 | | | 34 | C14 | Charcoal | Fragment | 7 | 0.5 | Charcoal fragments. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | Trench | 2 | | | 14 | GLS | Glass | Complete | 1 | 251.2 | Complete colorless bottle w/flaking patina. Some bubbles and no seams. No MM. |
| 47 | Trench | 2 | | | 14 | GLS | Glass | Complete | 1 | 110.1 | Complete aqua medicinal bottle. "HEGEMAN & CO//CHEMISTS//NEW YORK///{mold mark}". Bubbles also noted. |
| 48 | Trench | 2 | | | 14 | GLS | Glass | Almost Complete | 1 | 234.5 | Aqua bottle broken at neck. Panneling all around body & shoulders. Bubbles noted, no MM. |
| 49 | Trench | 2 | 1 | | | IVR | Shell | Fragment | 1 | 5.8 | Mytilus |
| 50 | Trench | 2 | 1 | | | IVR | Shell | Fragment | 1 | 24.1 | Haliotis |
| 51 | Trench | 2 | 1 | | | MET | Metal | Complete | 4 | 31.7 | Complete nails. |
| 52 | Trench | 2 | 1 | | | MET | Metal | Fragment | 2 | 5.3 | Misc. metal slag fragments. |
| 53 | Trench | 2 | 1 | | | MET | Metal | Almost Complete | 1 | 0.9 | Safety pin missing clasp end. |
| 54 | Trench | 2 | 1 | | | GLS | Glass | Almost Complete | 2 | 364.1 | Two colorless tumblers with panneling around body. Mold mark on bottom, no MM. |
| 55 | Trench | 2 | 1 | | | GLS | Glass | Fragment | 2 | 12.3 | Olive bottle shards. |
| 56 | Trench | 2 | 1 | | | GLS | Glass | Fragment | 3 | 10.2 | Colorless bottle shards. |
| 57 | Trench | 2 | 1 | | | GLS | Glass | Fragment | 11 | 141 | Aqua bottle in several shards. |
| 58 | Trench | 2 | 1 | | | VER | Bone | Fragment | 3 | 26.7 | Burned T Mammal fragments, No other mods observed. |
| 59 | Trench | 2 | 1 | | | VER | Bone | Almost Complete | 2 | 88.4 | Juvenile T mammal, L humerus in 2 pieces (shaft & distal epiphysis). |
| 60 | Trench | 2 | 1 | | | VER | Bone | Almost Complete | 2 | 34.8 | Juvenile T mammal, R humerus in 2 shaft fragments. |
| 61 | Trench | 2 | 1 | | | VER | Bone | Almost Complete | 6 | 9.1 | Misc. juvenile T mammal bones, mostly carpals. |
| 62 | Trench | 2 | 1 | | | VER | Bone | Fragment | 13 | 128 | Misc. juvenile T. mammal bones. |
| 63 | Trench | 2 | 1 | | | VER | Bone | Complete | 1 | 0.1 | Complete Phalange, T mammal. |
| 64 | Trench | 2 | 1 | | | VER | Bone | Complete | 1 | 2.1 | Avian R femur |
| 65 | Trench | 2 | 1 | | | VER | Bone | Fragment | 9 | 7.7 | Misc. Avian fragments |
| 66 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 5 | 188.5 | White WIE sherds with ribbed pattern. |
| 67 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 4 | 279.8 | White WIE sherds with decorative molding. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 12 | 1256.1 | White WIE sherds from a single vessel. Lots of crazing present, no MM. |
| 69 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 47 | 2164.9 | Misc. white WIE sherds. |
| 70 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 1 | 9.8 | White porcelain rim fragment with gold trim. |
| 71 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 1 | 62.9 | White WIE base sherd with {partial Coat of Arms. In banner: "PORCELAIN"}/ADAMS. |
| 72 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 1 | 45.5 | White WIE base sherd with: {partial Coat of Arms. In banner: "ET MON DROIT"} /[RO]YAL.PATENT./[I]RONSTONE./[BUR]GESS & GODDARD. |
| 73 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 1 | 92.8 | White WIE base sherd with: "STCK/BUR" embossed. |
| 74 | Trench | 2 | 1 | | | CER | Ceramic | Almost Complete | 1 | 146.5 | Half of white WIE bowl with panneling on interior edge. Base printed with: {Royal Coat of Arms}/ROYAL PATENT/IRONSTONE/BURGESS & GODDARD. |
| 75 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 2 | 287.8 | White WIE bowl printed with IMPERIAL WHITE GRANITE/{Royal Coat of Arms}/GELSON BROS HANLEY. |
| 76 | Trench | 2 | 1 | | | CER | Ceramic | Fragment | 3 | 210.5 | White WIE sherds with partial embossed MM. Possibly reads: "MAS HOGH{illegible}/{illegible}". |
| 77 | Trench | 2 | 1 | | | CER | Ceramic | Base | 1 | 584.5 | Complete base sherd, white WIE, printed with {Crown & Banner/ Inside triangle of design: IRONSTONE/CHINA/In banner: POWELL & BISHOP.} |
| 78 | Trench | 2 | | | | CER | Ceramic | Fragment | 6 | 195.6 | White WIE sherds. |
| 79 | Trench | 2 | | | | CER | Ceramic | Fragment | 3 | 98.8 | White WIE sherds with decorative molding. |
| 80 | Trench | 2 | | | | CER | Ceramic | Fragment | 2 | 86 | White WIE sherds with panneling on interior edge. |
| 81 | Trench | 2 | | | | CER | Ceramic | Fragment | 1 | 5.9 | White porcelain sherd with panneling on interior edge. |
| 82 | Trench | 2 | | | | C14 | Charcoal | Fragment | 1 | 0.1 | Charcoal fragment |
| 83 | Trench | 2 | | | | GLS | Glass | Fragment | 2 | 63.2 | Colorless glass tumbler shards. |
| 84 | Trench | 2 | | | | VER | Bone | Fragment | 4 | 38.5 | Saw-cut T mammal. |
| 85 | Trench | 2 | | | | VER | Bone | Fragment | 1 | 6.4 | Burned T mammal. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | Trench | 2 | | | | VER | Bone | Fragment | 1 | 0.4 | Avian shaft fragment. |
| 87 | Trench | 2 | | | 20 | GLS | Glass | Complete | 1 | 200.6 | Intact aqua bottle with flaking patina. Embossed with: WORCESTERSHIRE SAUCE/LEA & PERRINS///B/C 0/V. |
| 88 | Trench | 2 | 2 | | 20 | SSA | Soil | Complete | 1 | 2173.7 | Soil sample w/charcoal & burned seeds from under metal object 16.5-20". |
| 89 | Trench | 2 | 2 | | 20 | BOT | Seed | Complete | 10 | 1.6 | Mix of intact and halved burned seeds. |
| 90 | Trench | 2 | 2 | | 20 | C14 | Charcoal | Fragment | 21 | 10 | Charcoal fragments in association with burned seeds in CAT 89 and burned faunal in CAT 91. |
| 91 | Trench | 2 | 2 | | 20 | VER | Bone | Fragment | 1 | 0.3 | Burned unidentifiable T mammal fragment, no other mods. |
| 92 | Trench | 2 | 2 | | 23 | CER | Ceramic | Almost Complete | 6 | 1248.5 | Large WIE bowl in 6 sherds, missing few small fragments. Brown ochre glaze on outer edge. No MM. |
| 93 | Trench | 2 | 2 | | | CER | Ceramic | Almost Complete | 1 | 901.6 | Brown-glazed WIE lid with round handle. |
| 94 | Trench | 2 | 2 | | | CER | Ceramic | Almost Complete | 1 | 380.4 | White WIE plate sherd with illegible embossed MM on base. |
| 95 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 2 | 96.8 | White WIE base sherds with printed MM: {In banner:IMPERIAL}/{Eagle with Coat of Arms}/{In banner:FRENCH PORCELAIN}/ADAMS. |
| 96 | Trench | 2 | 2 | | | GLS | Glass | Complete | 1 | 216.7 | Intact aqua bottle with panneling on front and sides, bubble, no MM. |
| 97 | Trench | 2 | 2 | | | GLS | Glass | Base | 1 | 643.2 | Base of olive wine bottle w/flaking patina. No MM. |
| 98 | Trench | 2 | 2 | | | GLS | Glass | Almost Complete | 1 | 316.6 | Colorless tumbler. |
| 99 | Trench | 2 | 2 | | | GLS | Glass | Fragment | 10 | 171.4 | Fragments from aqua bottle embossed with: "RIDA/MURRAY & LANMAN/DRUGGISTS/[N]EW-YORK///19". |
| 100 | Trench | 2 | 2 | | | GLS | Glass | Fragment | 7 | 107.2 | Shards of aqua plane glass, likely from picture frame (very thin). |
| 101 | Trench | 2 | 2 | | | GLS | Glass | Fragment | 1 | 10.7 | Colorless bottle shard. |
| 102 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 1 | 158.2 | Sherd of terra-cotta type ceramic, possibly a teja? |
| 103 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 4 | 172.1 | White WIE sherds, no MM. |
| 104 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 1 | 174.6 | Possibly same lid as CAT92? |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 1 | 32.8 | White WIE sherdwith partial embossed MM, illegible. High degree of crazing, possibly burned? |
| 106 | Trench | 2 | 2 | | | CER | Ceramic | Fragment | 1 | 117.4 | White WIE sherd with printed MM: {Royal Coat of Arms}/{In banner: DIEU ET MON DROIT}/ STONE CHINA/J.T. CLOSE & CO/STOKE UPON TRENT". Additional embossed MM below. |
| 107 | Trench | 2 | 2 | | | IVR | Shell | Fragment | 48 | 34.1 | Mytilus |
| 108 | Trench | 2 | 2 | | | VER | Bone | Fragment | 16 | 5.9 | Burned unidentifiable T Mammal fragments. |
| 109 | Trench | 2 | 2 | | | VER | Bone | Fragment | 1 | 51.4 | Distal femoral fragment, burned, T mammal. |
| 110 | Trench | 2 | 2 | | | OTH | Shell | Complete | 2 | 0 | XS shell button in 2 pieces, 4 holes. |
| 111 | Trench | 2 | 2 | | | IVR | Shell | Complete | 1 | 4.7 | Clam shell |
| 112 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 2 | 672.2 | Olive green wine bottle with flaking patina. |
| 113 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 2 | 438.5 | Olive green wine bottle. |
| 114 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 14 | 93.8 | Aqua pane glass shards. Very thin, possibly from photo frames? Patina flaking. |
| 115 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 3 | 7.2 | Aqua bottle shards |
| 116 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 2.3 | Canning jar lid shard. |
| 117 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 1.7 | Amber bottle shard. |
| 118 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 3 | 29.1 | Olive bottle shards. |
| 119 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 14 | 112.4 | Colorless bottle shards. |
| 120 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 35.7 | Colorless handle, possibly to CAT 98? |
| 121 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 24.9 | Colorless decorative knob. |
| 122 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 4 | 275 | Colorless tumbler bases each in 2 pieces. No MM. |
| 123 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Complete | 2 | 1.2 | Two abalone shell buttons, one slightly smaller than the other. Both have 4 holes in a depressed center. |
| 124 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Complete | 1 | 0.8 | Abalone shell button with 2 holes in raised center. |
| 125 | Trench | 2 | 2 | 21 | 35 | OTH | Glass | Complete | 1 | 0.5 | White milk glass button with 4 holes in sunken center. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | Trench | 2 | 2 | 21 | 35 | OTH | Ceramic | Complete | 1 | 0.4 | White clay bead. |
| 127 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 8 | 59.2 | Partial nails. |
| 128 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 2 | 24 | Washers. |
| 129 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 2 | 7 | Decorative metal dish with floral filagree engraved. |
| 130 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 8 | 123.2 | Complete nails. |
| 131 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 2 | 50.5 | Skeleton key covered in slag. Handle in 2 pieces. |
| 132 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Almost Complete | 1 | 40.5 | Pocket knife with woodgrain design etched. |
| 133 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 3 | 33.3 | Sections of wire. |
| 134 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 1 | 18.6 | Decorative picture frame with filagree etching. |
| 135 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 21 | 74.1 | Misc. fragments of metal and slag. |
| 136 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Complete | 2 | 387.8 | White WIE bowl with "EGEWOOD & CLARKE" embossed on base. |
| 137 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 13 | 661.3 | White WIE sherds with no MM. |
| 138 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 3 | 262.5 | White WIE with embossed MM "STOKE…" |
| 139 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 2 | 138 | White WIE with printed MM reading: {Royal Coat of Arms}/ {In banner: EU ET MON DROIT/W&T ADAMS/IRONSTONE CHINA}/ TUNSTALL. |
| 140 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 5.7 | White porcelain. |
| 141 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 13.9 | White porcelain handle with gold paint. |
| 142 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 21.3 | WIE with printed religious scene and partial "X". |
| 143 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Almost Complete | 2 | 132.4 | Nearly complete white WIE bolwl with illegible embossed MM. |
| 144 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 62.6 | White WIE sherd with partial printed MM reading :{In banner: T. ADAMS/CHI[NA]}/TUNSTALL |
| 145 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 1 | 14.1 | Spoon with filagree design on back. Handle is CAT 146. |
| 146 | Trench | 2 | 2 | 21 | 35 | OTH | Bone | Complete | 1 | 15.4 | Bovine or Porcine spoon handle. |
| 147 | Trench | 2 | 2 | | 70 | OTH | Other | Fragment | 50 | 1.8 | Eggshell fragments. |
| 148 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Fragment | 400 | 487.7 | Mytilus |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Almost Complete | 5 | 41.2 | Clam shell |
| 150 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Almost Complete | 6 | 22.5 | Clam shell |
| 151 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Fragment | 1 | 13.2 | Clam shell |
| 152 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Complete | 1 | 4.4 | Turban snail |
| 153 | Trench | 2 | 2 | 21 | 35 | BOT | Seed | Complete | 2 | 1.9 | Burned seeds. |
| 154 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Almost Complete | 1 | 0.7 | Abalone shell button with 4 holes in a depressed center. |
| 155 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 4.7 | White porcelain. |
| 156 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 26 | 36.3 | Incomplete Avian. |
| 157 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 4 | 26.5 | Complete Avian. |
| 158 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 10 | 4.4 | Fish |
| 159 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 10 | 5.8 | Fish |
| 160 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 11 | 23.3 | Incomplete T mammal fragments, burned. No other mods. |
| 161 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 20 | 18.3 | Complete T mammal. |
| 162 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 38 | 91.8 | Incomplete T Mammal. |
| 163 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 28 | 611.1 | Incomplete, saw-cut T Mammal. |
| 164 | Trench | 2 | 2 | 16 | | VER | Bone | Fragment | 10 | 13.2 | Burned T Mammal, no other mods. |

# Faunal Analysis Report

| sub cat | taxon | common name | element | Ct | wt | side | portion | epiphyseal fusion | burned? | comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | T Mammal | | Indeterminate | 1 | 0.3 | INT | Fragment | | yes | |
| 2 | T Mammal | | Indeterminate | 18 | 9 | INT | fragment | | no | |
| 3 | T Mammal | | Indeterminate | 2 | 2.1 | INT | fragment | | no | cut marks present but not counted |
| 4 | T Mammal | Ground squirrel | Tibia | 1 | 0.3 | L | PXFR | | no | |
| 5 | T Mammal | | Long bone | 4 | 5.1 | INT | fragment | | no | saw cut |
| 6 | T Mammal | | Indeterminate | 16 | 13.4 | INT | fragment | | yes | |
| 7 | T Mammal | | Long bone | 1 | 1.4 | INT | fragment | | no | saw cut |
| 8 | T Mammal | | Indeterminate | 3 | 26.7 | INT | fragment | | yes | |
| 9 | T Mammal | sheep | Femur | 2 | 88.4 | R | Shaft and dista | Incomplete | no | cut marks |
| 10 | T Mammal | sheep | Femur | 2 | 34.8 | L | shaft | Incomplete | no | cut marks |
| 13 | T Mammal | sheep | VRT | 1 | 4.3 | A | Fragment | Incomplete | no | Incomplete T vert |
| 12 | T Mammal | sheep | PHX | 1 | 0.3 | INT | CO | Incomplete | no | 1 PHX1 |
| 11 | T Mammal | sheep | MC | 4 | 4.5 | INT | shaft | Incomplete | no | 3 MCs with an epiphyseal cap |
| 17 | T Mammal | | Indeterminate | 10 | 57.3 | INT | Fragment | | no | |
| 15 | T Mammal | cow | Rib | 1 | 13.2 | INT | SHFR | | no | saw cut |
| 16 | T Mammal | cow | VRT | 1 | 27.1 | A | Fragment | complete | no | saw cut with cut marks |
| 14 | T Mammal | sheep | Tibia | 1 | 29.8 | L | PXFR | Incomplete | no | cut marks |
| 18 | T Mammal | | Phalanx | 1 | 0.1 | INT | CO | | no | |
| 19 | Avian | | Femur | 1 | 2.1 | R | CO | | no | |
| 20 | Avian | | Tarsometatarsus | 5 | 4.2 | R | Fragment | | no | Quail-sized |
| 48 | Avian | | Indeterminate | 9 | 7.7 | INT | Indeterminate | | no | |
| 21 | Avian | | Indeterminate | 3 | 3.5 | INT | Fragment | | no | Quail-sized |

| sub cat | taxon | common name | element | Ct | wt | side | portion | epiphyseal fusion | burned? | comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 52 | T Mammal | cow | Rib | 1 | 17.5 | INT | Fragment | | no | cut marks and saw cut |
| 53 | T Mammal | cow | Indeterminate | 3 | 20.9 | INT | Fragment | | no | saw cut |
| 1 | T Mammal | | Indeterminate | 1 | 6.4 | INT | fragment | | yes | |
| 58 | Avian | | Indeterminate | 1 | 0.4 | INT | SHFR | | no | Quail-sized |
| 54 | Avian | | Indeterminate | 1 | 0.4 | INT | SHFR | | no | |
| 57 | T Mammal | | Indeterminate | 1 | 0.3 | INT | Indeterminate | | yes | |
| 56 | T Mammal | | Indeterminate | 16 | 5.9 | INT | Indeterminate | | yes | |
| 55 | T Mammal | | Femur | 1 | 50.9 | R | DSFR | | yes | |
| 24 | Avian | | Indeterminate | 1 | 1.2 | INT | Fragment | | yes | Quail-sized |
| 23 | Avian | | Indeterminate | 25 | 34.1 | INT | Fragment | | no | Quail-sized |
| 51 | Avian | | tibiotarsus | 1 | 3.4 | INT | CO | Complete | no | Quail-sized |
| 49 | Avian | | Tarsometatarsus | 2 | 4.8 | L | CO | Complete | no | Quail-sized |
| 50 | Avian | turkey | humerus | 2 | 17.1 | L | CO | Complete | no | cut marks |
| 64 | Fish | Sebastes/Rockfis | Maxilla | 1 | 0.8 | R | CO | | yes | |
| 63 | Fish | Sebastes/Rockfis | Opercular | 1 | 0.8 | R | CO | | yes | |
| 62 | Fish | Sebastes/Rockfis | Articular | 1 | 0.4 | L | CO | | yes | |
| 66 | Avian | | sternal rostrum | 1 | 0.6 | INT | Fragment | | no | |
| 61 | Fish | Sebastes/Rockfis | Tooth | 1 | 0.2 | INT | CO | | yes | |
| 60 | Fish | Sebastes/Rockfis | Vertebrae | 4 | 1.2 | A | Fragment | | yes | |
| 65 | Fish | Sebastes/Rockfis | supracleithrum | 1 | 0.1 | R | CO | | yes | |
| 42 | Fish | Sebastes/Rockfis | Vomer | 1 | 0.2 | INT | Fragment | | no | |
| 43 | Fish | Sebastes/Rockfis | Postcleithrum | 1 | 0.1 | INT | Fragment | | no | |
| 41 | Fish | Sebastes/Rockfis | angular | 2 | 0.9 | INT | Fragment | | no | |
| 47 | T Mammal | | Sacrum | 1 | 0.3 | A | Fragment | | no | |

| sub cat | taxon | common name | element | Ct | wt | side | portion | epiphyseal fusion | burned? | comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 45 | Fish | Salmonidae | Angular | 1 | 1.5 | INT | Fragment | | no | |
| 46 | Fish | Sebastes/Rockfis | Indeterminate | 1 | 0.1 | INT | Fragment | | no | |
| 44 | Fish | Salmonidae | Dentary | 1 | 1 | L | Fragment | | no | |
| 40 | Fish | Sebastes/Rockfis | Dentary | 3 | 1.1 | L | Fragment | | no | |
| 39 | T Mammal | | Indeterminate | 11 | 23.3 | INT | Indeterminate | | no | |
| 38 | T Mammal | sheep | Rib | 1 | 2.4 | INT | SHFR | | no | |
| 37 | T Mammal | | VRT | 1 | 0.5 | A | Fragment | Incomplete | yes | Epiphyseal cap from centrum |
| 36 | T Mammal | sheep | Tibia | 1 | 9 | L | PXFR | Incomplete | no | |
| 35 | T Mammal | | Phalanx | 17 | 5.5 | INT | CO | Complete | yes | |
| 34 | T Mammal | sheep | humerus | 1 | 12.7 | R | DSFR | | no | |
| 29 | T Mammal | sheep | Rib | 13 | 24.9 | INT | fragment | | no | saw cut |
| 30 | T Mammal | | Indeterminate | 15 | 19.1 | INT | fragment | | no | |
| 31 | T Mammal | | Indeterminate | 5 | 1.7 | INT | fragment | | yes | |
| 33 | T Mammal | sheep | Tibia | 1 | 29.7 | L | PXFR | | no | saw cut |
| 32 | T Mammal | | Phalanx | 1 | 0.2 | INT | DSFR | | yes | |
| 28 | T Mammal | | VRT | 4 | 14.3 | INT | Fragment | | no | saw cut |
| 27 | T Mammal | cow | VRT | 19 | 119.9 | INT | Fragment | | no | saw cut |
| 26 | T Mammal | cow | Innominate | 2 | 113.1 | INT | Fragment | | yes | |
| 25 | T Mammal | cow | Femur | 2 | 345.9 | R | Fragement | Incomplete | yes | |
| 59 | T Mammal | | Indeterminate | 10 | 13.2 | INT | Indeterminate | | yes | |

# Appendix C
## Project Photographs

**Photo 1.** Cat # 47 is an intact medicinal bottle recovered from TT 2 above Features 1 and 2. The bottle was produced by Hegeman & Co. between 1859–1878.

**Photo 2**. Cat # 99 is a fragmented perfume bottle recovered from TT 2 Feature 2 (4 out of 10 sherds pictured). The bottle was produced by Murray & Lanham between 1835–1853.

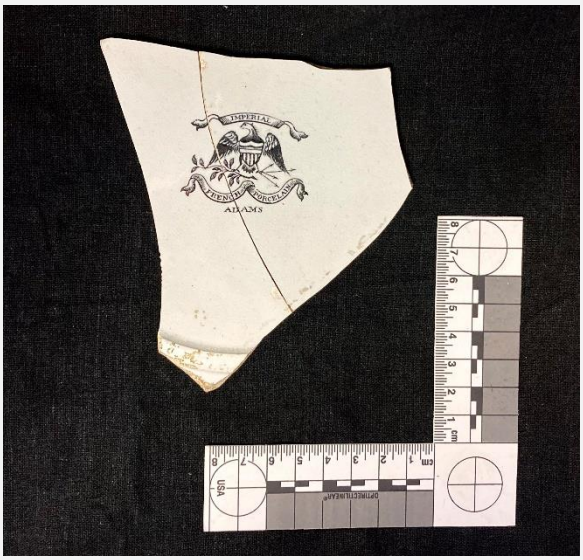


**Photo 3**. Cat # 95 consists of two WIE base sherds with a complete printed maker's mark from TT 2 Feature 2. The eagle and shield in this printed mark represents the Great Seal of the United States, used to authenticate certain federal documents, and dates between 1804 and 1840.

**Photo 4.** Cat # 75 is a WIE complete base with a printed Crown seal maker's mark from TT 2 Feature 1. This WIE was produced by Powell & Bishop and dates between 1867–1878.

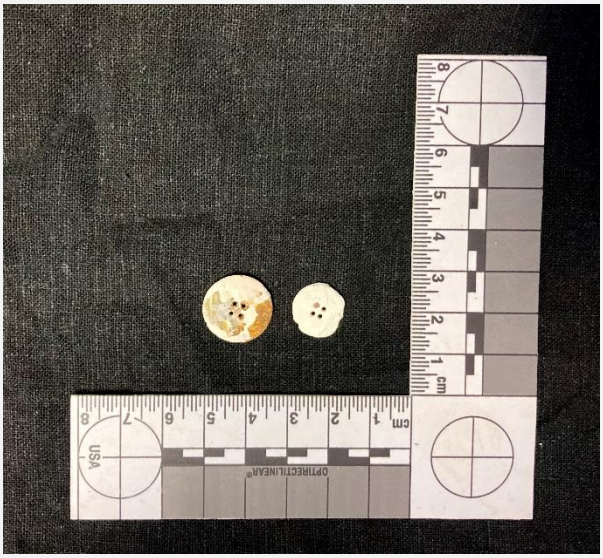

**Photo 5.** Cat # 123 consists of two degraded shell beads with 4 holes in the center recovered from TT 2 Feature 2. Buttons such as these were typical of men's shirts and were produced by hand and mechanically throughout the 19th century.

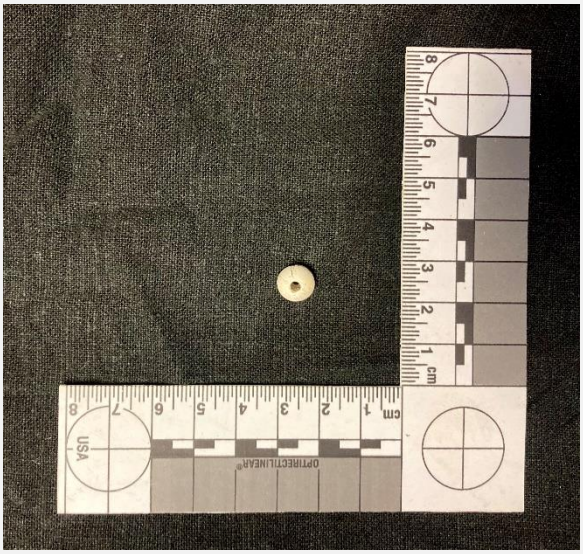

**Photo 6.** Cat # 126 is a white clay bead with mold seams recovered from TT 2 Feature 2. Beads, like most items in the 19th century, began being mass produced in factories by machines rather than by hand.

**Photo 7.** Cat # 131 is a barrel key with the bow broken off recovered from TT2 Feature 2. Barrel keys were similar to skeleton keys but lighter and hollow. This key was likely used in a door lock between the early to mid-1800s.

**Photo 8.** Cat # 131 is a pocketknife with the blade broken off recovered from TT2 Feature 2. This knife has faux-bone engraving on at least one side and was a common style between the 1850s through the early 1900s.

Phase II Archaeological Testing and Evaluation Report

# Downtown Library Mixed-Use Project Santa Cruz, California

**JANUARY 2023**

*Prepared for:*

**CITY OF SANTA CRUZ**
**ECONOMIC DEVELOPMENT DEPARTMENT**
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# Acronyms and Abbreviations

| Acronym/Abbreviation | Definition |
|---|---|
| CHRIS | California Historical Resources Information System |
| City | City of Santa Cruz |
| CRHR | California Register of Historical Resources |
| DPR | California Department of Parks and Recreation |
| F | Archaeological Feature: a discrete concentration of notable quantities of historical period artifacts likely in their original depositional locations and with minimal post depositional disturbances |
| NWIC | Northwest Information Center |
| Project | Downtown Library Mixed-Use Project, Santa Cruz, California |
| TT | Test Trench |

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# 1 Management Summary

This report presents the results of a Phase II archaeological testing and evaluation effort of a newly discovered site, DUD-LIB-1, for the proposed development by the City of Santa Cruz (City) of a new downtown library mixed-use project (Project) in downtown Santa Cruz, California. The Project included mechanical subsurface archaeological testing at eight locations where the potential for subsurface historical period resources was indicated in a preliminary Phase I archaeological report (D'Oro 2022) and an Extended Phase I (XPI) testing report (Brady et al. 2022). The purpose of the present investigation was to locate, excavate, and evaluate historical period archaeological deposits within the Project's area of direct impact for California Register of Historical Resources (CRHR), and local (City) eligibility under the California Environmental Quality Act (CEQA).

The combined XPI and Phase II testing included 12 exploratory trenches. Results show that much of the Project Area contains an intermittent, shallow, and thin sheet deposit of scattered historical period artifacts associated with the mid- to late nineteenth century and early twentieth century. Analysis indicates the resource is a secondary deposit of low integrity and therefore not significant.

The testing also led to the identification of five historical period features in a tight grouping in the west central portion of the Project Area. This area was designated as Locus 1, and contains historical period domestic artifacts, which are also associated with the mid-to-late nineteenth and early to mid-twentieth century land uses that existed along Lincoln and Cedar Streets at that time. The location and characteristics of Locus 1 suggest the five features are examples of parcel-level dumping events indicative of the mid-to-late nineteenth century residential refuse disposal behavior that are potentially significant. The five features of Locus 1 were excavated by hand, analyzed in detail, and formally evaluated as components of a historic resource for state, and local historic register eligibility. No prehistoric archaeological materials of any kind were found during the testing.

As a result of the evaluation, the constituents of DUD-LIB-1 are not able to address significant research questions about the past and therefore the site is not recommended eligible under any historic designation criteria and integrity requirements. Therefore, the site *is not* considered historic resources. The Project Area sheet deposit and Locus 1 have been recorded as a historical period archaeological site on Department of Parks and Recreation series 523 forms per CEQA guidelines.

The testing included areas not covered by existing buildings and did not encounter a cultural deposit that would be classified as a historical resource. However, moderate potential exists for encountering additional artifacts and features during the planned construction at the portion of the Project Area beneath the existing Toadal Fitness building at 113 Lincoln Street due to a historically mapped outhouse. While Dudek does not expect to find additional deposits that would meet the definition of a historical resource, an area of sensitivity near the rear of the Toadal Fitness building has been delineated and we recommend that a qualified archaeologist be present during the grading phase of the Project at that location. Areas outside the sensitive areas are subject to Section 24.12.430 of the City's Municipal Code that account for the possibility of encountering intact archaeological deposits. National Archaeological Database information for this report is provided in Appendix A.

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# 2 Project Description, Location, and Background

## 2.1 Project Description

The Project includes removal of all existing improvements and construction of a 273,194-square-foot building for a new public library, affordable housing, childcare facility, commercial space, and public parking garage in the Cedar Street Village Corridor of the City's Downtown Plan. The maximum depth of disturbance is expected to be approximately 15 feet.

## 2.2 Project Location

The Project is in downtown Santa Cruz on the east side of Cedar Street and spans the full block between Lincoln Street and Cathcart Street. The Project Area of approximately 1.5 acres includes two parcels currently designated as Assessor's Parcel Numbers (APNs) 005-141-21 and 005-141-11. The Project location is found on the U.S Geological Survey (USGS) *Santa Cruz* 7.5-minute topographic map, a portion of which is reproduced in Figure 1, Project Location.

## 2.3 Project Background

As part of the environmental review process for cultural resources, a Phase I cultural resources report (D'Oro 2022) was prepared by Albion and submitted to the City. Based on a review of records obtained from the California Historical Resources Information System (CHRIS), Albion reported that no archaeological resources have been previously recorded within the Project Area. Albion's visual inspection of the Project Area surface revealed no evidence of buried archaeological deposits; however, the Project Area is almost entirely covered with modern hard surfaces including asphalt parking lots and a building currently occupied by Toadal Fitness.

Notwithstanding the above findings, Albion found potential for buried historical period resources indicated based on a review of maps and aerial photographs of the Project Area dating from 1853 to 1964. Of particular interest were building footprints and potential privy pits associated with residential properties that existed in the nineteenth century facing Lincoln Street. This evidence was shown clearly on Sanborn maps dating before AD 1886. Based on that information, Albion recommended the Project Area be considered to have a medium to high sensitivity for buried archaeological deposits and recommended an Extended Phase I investigation (subsurface testing) be conducted for presence/absence of deposits under the present hard surface (D'Oro 2022).

Dudek completed an Extended Phase I testing program (Brady et al. 2022) that included four test trenches (TT). Results indicated that a variable and disturbed sheet refuse deposit of scattered historical period artifacts exists over much of the Project Area. Dudek also reported the presence of two intact potentially significant historical period archaeological features closely grouped in the west central portion of the Project Area. Dudek studied the features and associated them with the mid-to-late nineteenth and early twentieth century land uses that existed along Lincoln and Cedar Streets at that time. Due to the small sample size of four trenches, Dudek recommended the present Phase II testing and evaluation effort at eight additional locations to support the evaluation of found resources (Figure 2, Project Area and Subsurface Test Locations).

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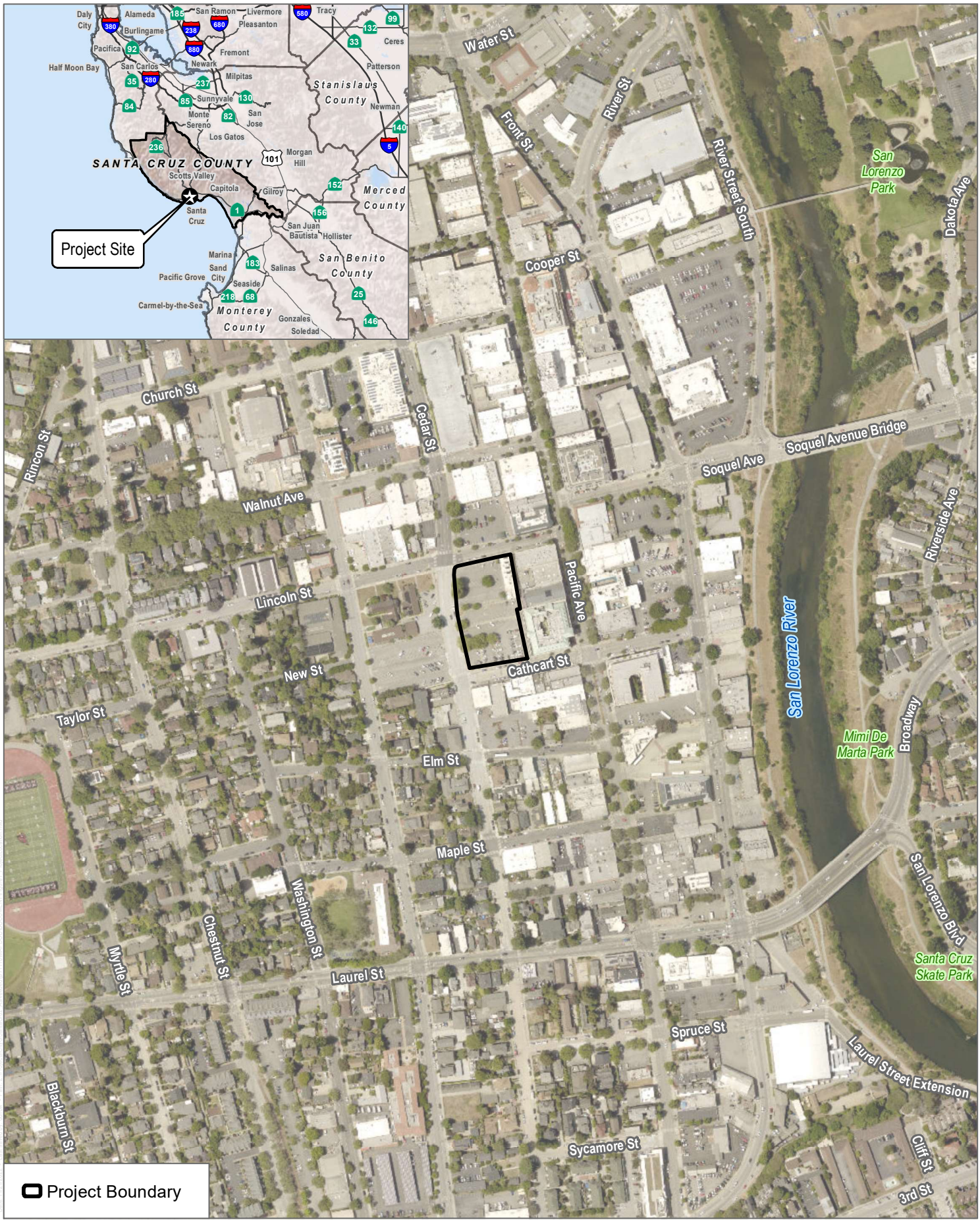


SOURCE: Digital Globe Imagery (accessed 2022), Open Street Map 2019

DUDEK

0 200 400 Feet

**FIGURE 1**

Project Location

Downtown Library Mixed-Use Project

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SOURCE: Digital Global Imagery (accessed 2022), Open Street Map 2019

DUDEK

0 25 50 Feet

**FIGURE 2**

Project Area and Subsurface Test Locations

Downtown Library Mixed-Use Project

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# 3 Regulatory Context

## 3.1 State of California

### 3.1.1 The California Register of Historical Resources

In California, the term "historical resource" includes "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (Public Resources Code [PRC] Section 5020.1[j]). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for listing resources on the CRHR, enumerated in the following text, were developed to be in accordance with previously established criteria developed for listing in the NRHP. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage
2) Is associated with the lives of persons important in our past
3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values
4) Has yielded, or may be likely to yield, information important in prehistory or history

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

### 3.1.2 California Environmental Quality Act

As described further in the following text, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

PRC Section 21083.2(g) defines "unique archaeological resource."

PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of a historical resource.

PRC Section 21074(a) defines "tribal cultural resources."

PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.

PRC Sections 21083.2(b)–(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1[q]), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource, even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5[b][1]; PRC Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA [CEQA Guidelines Section 15064.5(b)(2)].

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (Section 21083.2[a], [b], and [c]).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
2) Has a special and particular quality such as being the oldest of its type or the best available example of its type
3) Is directly associated with a scientifically recognized important prehistoric or historic event or person

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2[a]; CEQA Guidelines Section 15064.5[c][4]). However, if a non-unique archaeological resource qualifies as tribal cultural resource (PRC 21074[c]; 21083.2[h]), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described in the following text, these procedures are detailed in PRC Section 5097.98.

### 3.1.3 Native American Historic Cultural Sites

State law (PRC Section 5097 et seq.) addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and established the Native American Heritage Commission (NAHC) to resolve disputes regarding the disposition of such remains. In addition, the Native American Historic Resource Protection Act makes it a misdemeanor punishable by up to 1 year in jail to deface or destroy an Indian historic or cultural site that is listed or may be eligible for listing in the CRHR.

### 3.1.4 California Health and Safety Code, Section 7050.5

In the event that Native American human remains or related cultural material are encountered, Section 15064.5(e) of the CEQA Guidelines (as incorporated from PRC Section 5097.98) and California Health and Safety Code, Section 7050.5, define the subsequent protocol. If human remains are encountered, excavation or other disturbances shall be suspended of the site or any nearby area reasonably suspected to overlie adjacent human remains or related material. Protocol requires that a county-approved coroner be contacted in order to determine if the remains are of Native American origin. Should the coroner determine the remains to be Native American, the

coroner must contact the NAHC within 24 hours. The NAHC will assign a most likely descendent, who may make recommendations to the landowner or the person responsible for the excavation work, for means of treating, with appropriate dignity, the human remains and any associated grave goods as provided in PRC Section 5097.98 (14 CCR 15064.5[e]).

## 3.2 City of Santa Cruz

Cultural resources and landmarks in the City are under the aegis of the Planning and Community Development Department. The City maintains a list of Historic Landmarks, as well as other built historic resources, in the Historic Building Survey. Historic Landmark is defined in Part 5: Historic Preservation within the Community Design Chapter, as "an individual structure or other feature, or group of structures on a single lot or site, or a site having special aesthetic, cultural, architectural, or engineering interest or value of an historical nature as a 'landmark'" (Municipal Code Section 24.12.420, amended by Ordinance No. 2003-14, effective April 22, 2003).

To become a Historic Landmark, or to be placed on the Historic Building Survey, a property must first be evaluated for local historic significance based on the following criteria (Municipal Code Section 24.12.440[c], amended by Ordinance No. 2003-14, effective April 22, 2003):

The property is either a building, site, or object that is:

1) Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2) Associated with a significant local, state, or national event; and/or
3) Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4) Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5) Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6) Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7) Retains sufficient integrity to accurately convey its significance.

# 4 Natural and Cultural Contexts

## 4.1 Environmental Context

The Project Area is in the extreme lower San Lorenzo River Valley about 0.5 miles north of Monterey Bay and about 2 miles south of the foothills of the Santa Cruz Mountains of the greater Coast Ranges of western California. The San Lorenzo River lies about 800 feet to the east. The geology of the vicinity is Holocene floodplain. Soils are classified as Baywood loamy sand, 0% to 2% slopes (Soil Web 2022). Vegetation of the area is categorized as coastal prairie-scrub mosaic (Küchler 1977); however, the native landscape has been significantly changed by intensive modern development. Currently, the Project Area is within an urban setting. The Monterey Bay area enjoys a Mediterranean climate.

## 4.2 Cultural Context

### 4.2.1 Prehistory

The prehistory of indigenous groups living within Santa Cruz County follows general patterns identified within the archaeological record of the greater Central Coast area of California. These patterns represent adaptive shifts in settlement, subsistence strategies, and technological innovation demonstrated by prehistoric people throughout the Holocene and earlier. The California Central Coast Chronology (Jones et al. 2007) presents an overview of prehistoric life ranging upwards of 10,000 years. Six temporal periods describe changes in prehistoric settlement patterns, subsistence practices, and technological advances (Table 1).

**Table 1. California Central Coast Chronology**

| Temporal Period | Date Range* |
|---|---|
| Paleo-Indian | pre-8000 cal BC |
| Milling Stone (or Early Archaic) | 8000 to 3500 cal BC |
| Early | 3500 to 600 cal BC |
| Middle | 600 cal BC to cal AD 1000 |
| Middle-Late Transition | cal AD 1000–1250 |
| Late | cal AD to 1250–1769 |

Note:
* Calibrated dates.

#### 4.2.1.1 Paleo-Indian

The Paleo-Indian era represents people's initial occupation of the region. These were highly mobile hunters who focused subsistence efforts on large mammals. Multiple migrations into the region may have occurred both terrestrially and by sea (Erlandson et al. 2007). Although no coastal Paleo-Indian sites in the Central California Coast region have been discovered, they may have been inundated because of rising ocean levels throughout the Holocene (Jones and Jones 1992).

Evidence of this era is generally found through isolated artifacts or sparse lithic scatters (Bertrando 2004). In the San Luis Obispo area, fluted points characterizing this era are documented near the town of Nipomo (Mills et al. 2005) and Santa Margarita (Gibson 1996), but so far, no fluted points have been found in the Central Coast north of the Santa Barbara area. Possible evidence for Paleo-Indian occupation is reported in buried contexts in CA-SCL-178 in the Santa Clara Valley and at CA-SCR-177 in Scotts Valley (Cartier 1993). The early radiocarbon dates from charcoal, however, pose questions of validity (Jones et al. 2007).

#### 4.2.1.2 Milling Stone

Settlement in the Central Coast appears with more frequency in the Milling Stone Period. Sites of this era have been discovered in Big Sur (Jones 2003; Fitzgerald and Jones 1999) and Moss Landing (Jones and Jones 1992; Milliken et al. 1999). Assemblages are characterized by abundant milling stones and hand stones, cores and core-cobble tools, thick rectangular (L-series) Olivella beads, and a low incidence of projectile points, which are generally lanceolate or large side-notched varieties (Jones et al. 2007). Eccentric crescents are also found in milling stone components. Sites are often associated with shellfish remains and small mammal bone, which suggest a collecting-focused economy. Newsome et al. (2004) report that stable isotope studies on human bone, from a milling stone component at CA-SCR-60/130, indicate a diet composed of 70%–84% marine resources. Contrary to these findings, deer remains are abundant at some milling stone sites (cf. Jones et al. 2008), which suggests a flexible subsistence focus. Similar to the Paleo-Indian era, archaeologists generally view people living during the Milling Stone era as highly mobile.

#### 4.2.1.3 Early

The Early Period corresponds with the earliest era of what Rogers (1929) called the “Hunting Culture.” According to Rogers, the “Hunting Culture” continues through to what is termed the Middle-Late Transition in the present framework. The Early Period is marked by a greater emphasis on formalized flaked stone tools, such as projectile points and bifaces, and the initial use of mortar and pestle technology. Early Period sites are located in more varied environmental contexts than milling stone sites, suggesting more intensive use of the landscape than practiced previously (Jones and Waugh 1997).

Early Period artifact assemblages are characterized by Large Side-notched points, Rossi Square-stemmed points, Spire-lopped (A), End-ground (B2b and B2c), Cap (B4), and Rectangular (L-series) Olivella beads. Other artifacts include less temporally diagnostic Contracting-stemmed and Año Nuevo long-stemmed points, and bone gorges. Ground stone artifacts are less common relative to flaked stone tools when compared with Milling Stone-era sites.

Early Period sites are common and often found in estuary settings along the coast or along river terraces inland and are present in both Monterey and Santa Cruz Counties. Coastal sites dating to this period include CA-MNT-108 (Breschini and Haversat 1992a), CA-SCR-7 (Jones and Hildebrandt 1990), and CA-SCR-38/123 (Jones and Hildebrandt 1994).

Archaeologists have long debated whether the shift in site locations and artifact assemblages during this time represent either population intrusion as a result of mid-Holocene warming trends, or an *in situ* adaptive shift (cf. Mikkelsen et al. 2000). The initial use of mortars and pestles during this time appears to reflect a more labor-intensive economy associated with the adoption of acorn processing (cf. Basgall 1987).

#### 4.2.1.4 Middle

The trend toward greater labor investment is apparent in the Middle Period. During this time, there is increased use of plant resources, more long-term occupation at habitation sites, and a greater variety of smaller "use-specific" localities. Artifacts common to this era include Contracting-stemmed projectile points, a greater variety of Olivella shell beads and Haliotis ornaments that include discs and rings (Jones 2003). Bone tools and ornaments are also common, especially in the richer coastal contexts (Jones and Ferneau 2002a; Jones and Waugh 1995), and circular shell fishhooks are present for the first time. Grooved stone net sinkers are also found in coastal sites. Mortars and pestles become more common than milling stones and hand stones at some sites (Jones et al. 2007). Important Middle Period sites include CA-MNT-282 at Willow Creek (Jones 2003; Pohorecky 1976), and CA-MNT-229 at Elkhorn Slough (Dietz et al. 1988), CA-SCR-9 and CA-SMA 218 at Año Nuevo (Hylkema 1991).

Jones et al. (2007) discuss the Middle Period in the context of Rogers' "Hunting Culture" because it is seen as a continuation of the pattern that begins in the Early Period. The pattern reflects a greater emphasis on labor-intensive technologies that include projectile and plant processing. Additionally, faunal evidence highlights a shift toward prey species that are more labor intensive to capture, either by search and processing time or technological needs. These labor-intensive species include small schooling fishes, sea otters, rabbits, and plants such as acorn. Jones and Haney (2005) offer that Early and Middle Period sites are difficult to distinguish without shell beads due to the similarity of artifact assemblages.

#### 4.2.1.5 Middle-Late Transition

The Middle-Late Transition corresponds with the end of Rogers' "Hunting Culture." Artifacts associated with the Middle-Late Transition include contracting-stemmed, double side-notched, and small leaf-shaped projectile points. The latter are thought to represent the introduction of bow and arrow technology to the region. A variety of Olivella shell bead types are found in these deposits and include B2, B3, G1, G2, G6, and K1 varieties, notched line sinkers, hopper mortars, and circular shell fishhooks (Jones 1995; Jones et al. 2007). Sites that correspond with this time are CA-MNT-1233 and -281 at Willow Creek (Pohorecky 1976), CA-MNT-1754, and CA-MNT-745 in Priest Valley (Hildebrandt 2006). A greater number of Middle-Late Transition sites are found in San Luis Obispo County to the south.

The Middle-Late Transition is a time that appears to correspond with social reorganization across the region. This era is also a period of rapid climatic change known as the Medieval Climatic Anomaly (cf. Stine 1994). The Medieval Climatic Anomaly is proposed as an impetus for the cultural change that was a response to fluctuations between cool-wet and warm-dry conditions that characterize the event (Jones et al. 1999). Archaeological sites are rarer during this period, which may reflect a decline in regional population (Jones and Ferneau 2002b).

#### 4.2.1.6 Late

Late Period sites are found in a variety of environmental conditions and include newly occupied task sites and encampments, as well as previously occupied localities. Artifacts associated with this era include Cottonwood (or Canaliño) and Desert Side-notched arrow points, flaked stone drills, steatite and clamshell disc beads, Haliotis disc beads, Olivella bead types E1 and E2, and earlier used B2, B3, G1, G6, and K1 types. Milling stones, hand stones, mortars, pestles, and circular shell fishhooks also continue to be used (Jones et al. 2007). Sites dating to this era are found in coastal and interior contexts. Late Period sites include CA-MNT-143 at Asilomar State Beach (Brady et al. 2009), CA-MNT-1765 at Moro Cojo Slough (Fitzgerald et al. 1995), CA-MNT-1485/H and -1486/H at Rancho San Carlos (Breschini and Haversat 1992b), and CA-SCR-117 at Davenport Landing (Fitzgerald and Ruby 1997).

Coastal sites dating to the Late Period tend to be resource acquisition or processing sites, while evidence for residential occupation is more common inland (Jones et al. 2007).

### 4.2.2 Ethnohistoric

The Project Area lies within the territory traditionally occupied by people called "Costanoan" by the Europeans at the time of contact. Many modern descendants prefer to be called "Ohlone," or by their specific tribal band name. The Ohlone spoke eight separate dialects of the Penutian language family and lived between the vicinities of what is now Richmond in the north and Big Sur in the south. The Ohlone were organized under approximately fifty autonomous polities or tribelets (Levy 1978; Milliken 1995). At the time of European contact, the Awaswas Ohlone dialect was reportedly spoken within this portion of what is today Santa Cruz County. Ethnographic accounts of Ohlone at the time of contact described them as living in permanent villages, but also spending time in smaller camps to collect or process seasonal resources such as acorn or shellfish (Levy 1978).

### 4.2.3 Historical Period

The Santa Cruz area strongly associated with early Euro-American exploration and settlement beginning in the late eighteenth century as well as later commercial, industrial, and recreational development of the region throughout the nineteenth and twentieth centuries. The history of the Santa Cruz Area is generally divided into three periods: The Spanish Period (1769 to 1822), the Mexican Period (1822 to 1846), and the American Period (1846 to present).

#### 4.2.3.1 Spanish Period (1769–1822)

The first European to explore the Central Coast was Sebastián Vizcaíno, who, in 1602, was sent by the Spanish government to map the Californian coastline for suitable ports. It was Vizcaíno who named the area "Puerto de Monterey" after the Conde de Monterey, the Viceroy of New Spain in Mexico (Chapman 1920; Hoover et al. 2002). The Gaspar de Portolá expedition traveled through the region in 1769 and returned in 1770 to establish both the Monterey Presidio, Spain's first military base in Alta California. Mission Santa Cruz was established in 1791 as the twelfth mission to be established in California. Native Americans were forced to build the mission church and auxiliary structures from local timber, limestone, and adobe, as well as cultivate wheat, barley, beans, corn, and lentils for the mission Padres and soldiers. Villa Branciforte was also established at that time on the eastern part of Santa Cruz as one of three Spanish civil settlements in California. The Spanish missions drastically altered the lifeways of the Native Americans. Spanish missionaries conscripted members of local Native American communities to move to the Mission, where they were indoctrinated as Catholic neophytes (Hoover et al. 2002; Lehmann 2000; Koch 1973; Milliken 1995).

#### 4.2.3.2 Mexican Period (1822–1846)

After more than a decade of intermittent rebellion and warfare, New Spain (Mexico and the California territory) won independence from Spain in 1821. In 1822, the new government ended Spanish policies and decreed California ports open to foreign merchants. The Spanish Missions across the territory were secularized during this period releasing the Native Americans from control of the mission-system. The City of Monterey continued as the capital of Alta California and the Californios, the Mexicans who settled in the region, were given land grants, in part to

increase the population inland from the more settled coastal areas where the Spanish had first concentrated its colonization efforts. Land grants to citizens covered over 150,000 acres of present-day Santa Cruz County (Koch 1973; Lehmann 2000; Cleland 2005).

#### 4.2.3.3 American Period (1846–Present)

The Mexican–American War, ending with the Treaty of Guadalupe Hidalgo in 1848, brought California into control of the United States. As the Gold Rush picked up steam in 1849, a massive influx of people seeking gold steadily flooded the rural counties of California. The gold fields quickly dried up causing many new arrivals to refocus on other economic opportunities. In Santa Cruz County, one of the 27 original counties of California, insightful entrepreneurs saw the arrival of opportunity-seeking laborers to harvest the abundant natural resources found throughout the area. The lumber, lime, cement, fishing, and leisure industries formed the economic foundation of the County. California officially became a state with the Compromise of 1850. The new state of California recognized the ownership of lands in the state distributed under the Mexican Land Grants of the previous decades (Lehmann 2000; Koch 1973).

#### 4.2.3.4 City of Santa Cruz

Interest in the beauty of the Monterey Bay drew visitors to what is today Santa Cruz as early as the 1860s, causing beach tourism to emerge as a major industry. Tourism was also responsible for quickening the rate of development along the scenic coastal areas of Santa Cruz County. A rail line running from Gilroy to Santa Cruz by way of Watsonville was completed by 1876, followed shortly thereafter by a narrow-gauge line from Santa Cruz to Felton. The completion of the Santa Cruz–Watsonville Railroad allowed for greater mobility to the area from the inland counties of California, by both residents and tourists alike. As the Santa Cruz port altogether declined due to lack of use and the ease of transport by train, the beachfront areas of the city presented savvy entrepreneurs with emerging opportunities (Lehmann 2000: 14, 25-6).

As the population of Santa Cruz grew during the second half of the nineteenth century, the commercial areas of the City to the south of the original Mission territory developed quickly along the west bank of the San Lorenzo River. Residential development in the City was therefore dictated by the location of these early commercial and industrial areas, with the earliest clusters of residential expansion surrounding the small hill that overlooks the Bay and the corresponding flatlands, known today as Beach Hill and the Beach Flats, respectively. The informal layout of streets and thoroughfares in this region speaks to the unplanned development pattern of this area, which largely followed the irregularities of the many self-divided private lots and the path of Mission-era trails between them (Lehman 2000: 21, 25; Chase 2005: 95).

During the first half of the twentieth century, following the death of their original owners, many of the large properties were subdivided to make way for smaller, single family residential properties and large, multi-family apartment complexes. Prominent Santa Cruz developers took advantage of the cheap real estate by investing in the construction of residences on the smaller parcels. This led to a new, accelerated phase of dense residential development along High Street and in the small neighborhoods north of Mission Street between 1905 and 1928 (Sanborn 1905, 1928).

### 4.2.3.5 History of the Project Area

According to the 1866 Forman and Wright survey, the Project Area property comprised part of a 1.5-acre lot that was owned by (Henry) Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. Trust was responsible for the development of each of the residences that fronted his lot along this block of Lincoln Street. In 1866, the Santa Cruz Weekly Sentinel article announcing the completion of the Forman and Wright Survey suggested an extant residence on the lot owned by Trust by this time. It is believed that this is 41 Lincoln Street (Figures 3 and 4). The next record of development on the site took place in November 1867 when the *Santa Cruz Weekly Sentinel* reported that Trust had a permit to construct a new one-story frame 'dwelling-house' at the cost of $800 with the assistance of builder, John Morrow, and mason, Samuel Sharp. Based on a review of available records, this is the house located at the southwest corner of the present-day intersection of Lincoln and Cedar Streets (40 Lincoln, Figures 3 and 4). In 1873, Trust established a bakery, later known as the Pioneer Bakery, and began producing and selling baked goods from his property on Lincoln Street. In 1875, Trust moved a 2-story residence from another property he owned on the corner of Pacific Avenue and Bridge Street (now Soquel Avenue) to his lot on Lincoln Street to provide space for boarders during the busy summer season. Based on the description of the property in conjunction with an available 1886 Sanborn fire insurance map covering the property, this residence was moved to the east of the existing residences (1 Lincoln Street) (City of Santa Cruz 1944: L-2; SC Weekly Sentinel 1866: 2, 1867: 2, 1873a: 3, 1873b: 2, 1875: 4; Sanborn 1886, 1888, 1892, 1905, 1928).

**Figure 3.** 41 Lincoln (left) and 40 Lincoln (right), ca. 1939 (UCSC Special Collections, Santa Cruz County Historic Photograph Collection)

**Figure 4.** 41 Lincoln (left) and 40 Lincoln (right), ca. 1940 (UCSC Special Collections, Santa Cruz County Historic Photograph Collection)

Outside of the evidence of the Trust family on the subject property, information related to the other occupants and/or tenants prior to 1900 was not found during research for this project. Trust and his wife, Christine, both died in 1899, after which their properties passed to their three children. None of the three adult children occupied the properties after this point and they appear to rent out the properties as housing and restaurant space from this point onward. Table 2 below provides a list of the known tenants for 40 and 41 Lincoln Street between 1900 and 1939 (Polk 1902, 1905, 1907, 1908, 1910, 1913, 1917, 1922, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939). The two properties were demolished between 1940 and 1947 (SC Weekly Sentinel 1899: 2; Santa Cruz Surf 1899: 4).

## Table 2. Known Tenants for 40 and 41 Lincoln Street between 1900 and 1939

| Year | 40/25 Lincoln Tenants (Occupation) | 41/23 Lincoln Tenants (Occupation) |
|---|---|---|
| 1902 | Salvertor Senegrini (Plumber/Tinner) | Michael, Mamie, and Catherine Keilanovich (Poultry Farming)<br>Josephine Morris |
| 1905 | Salvertor Senegrini (Plumber/Tinner) | Michael, Mamie, and Catherine Keilanovich (Poultry Farming)<br>Josephine Morris |

### Table 2. Known Tenants for 40 and 41 Lincoln Street between 1900 and 1939

| Year | 40/25 Lincoln Tenants (Occupation) | 41/23 Lincoln Tenants (Occupation) |
|---|---|---|
| 1907 | Salvertor Senegrini (Plumber/Tinner) | Michael, Mamie, and Catherine Keilanovich (Poultry Farming)<br>Josephine Morris |
| 1908 | Salvertor Senegrini (Plumber/Tinner) | Michael, Mamie, and Catherine Keilanovich (Poultry Farming)<br>Josephine Morris |
| 1910 | Natale Camozzi (Plumber) | Annie McGrath |
| 1913 | Justin R. Williams (Plumber) | Annie McGrath<br>G W Van Zee |
| 1917 | Ettero and Clotilde Cattera | Nick & Mary Sesn |
| 1922 | N/A | Marilla Lovett |
| 1924 | Eugene and Florence Whiting (Linotype operator)<br>Joseph and Anna Perry (Joe Perry's Tamale Parlor) | Leonard and Marilla J Lovett |
| 1925 | Joseph and Anna Perry (Joe Perry's Tamale Parlor)<br>Herman and Adeline Keller (Barber) | Leonard and Marilla J Lovett |
| 1926 | John P Johnson (Tamale Vendor) | Leonard and Marilla J Lovett |
| 1927 | John P Johnson (Tamale Vendor) | Leonard and Marilla J Lovett |
| 1928 | John P Johnson (Tamale Vendor) | Leonard and Marilla J Lovett |
| 1929 | — | Leonard and Marilla J Lovett |
| 1930 | — | — |
| 1932-1939 | — | George and Chiyoka Nakamura |

# 5 Methods

## 5.1 Field Methods

To expand the sample size from the Extended Phase I testing, Dudek attempted eight additional mechanical TTs for the Phase II testing. The excavation effort occurred December 8 through 13, 2023. Each TT was excavated using a backhoe equipped with a 30-inch bucket with a straight blade. Each TT was approximately 10 feet long by 2.5 feet wide by 5 feet deep. Under the direction of Dudek's field supervisor, work crews removed soil evenly from the TTs in approximately 4-inch lifts, keeping the bottom of the TT as level as possible. This excavation technique allowed Dudek archaeologists to observe and record soil stratigraphy and to quickly identify concentrations of artifacts, or features, for detail study. Upon completion, Dudek archaeologists documented the excavation with sidewall profile drawings and photographs.

If a feature was located during mechanical excavation, the work was halted, and the feature was further investigated with hand excavation. Dudek archaeologists implemented this shift in methods to expose as much of the feature as possible without removing *in situ* artifacts within the limits of the TT dimensions. Field staff then measured and photographed the features while also noting the density and characteristics of the deposits.

To obtain a minimum 50% sample, each feature was bisected on either a north/south or east/west axis. One side of each feature was excavated by hand to obtain the artifact sample and expose a vertical profile for analysis and documentation. All the material removed from the sample side of the features was screened through 0.25-inch mesh in search of small cultural constituents. All cultural material was collected in labelled plastic bags and returned to Santa Cruz laboratory for further analysis. Sample side excavation was terminated when sterile soil was observed. Augers were dug beneath each feature to ensure there were no deeper deposits under the feature. The locations of all 12 XPI and Phase II TTs are shown on an aerial photograph in Figure 2.

Photographs and profile drawings were used to document soils, stratigraphic information, and disturbances in all four features. Field notes were recorded on standardized forms to log artifact and feature recovery, soil descriptions, disturbances, and any other pertinent information.

## 5.2 Laboratory Methods

Following the field work, laboratory analysis was performed in the Dudek's Santa Cruz office. The work included sorting, washing, cataloging, and analyzing the archaeological collection. All recovered materials were individually examined and cataloged according to class, object (subclass), and material and were counted and weighed on a digital scale. All coded data were entered into a general artifact catalog presented in Appendix B.

The cultural material was sorted into the following general classes: historic and modern artifacts were categorized by material type (glass, metal, and bone). Historic artifacts were then further analyzed to identify the form, function, and approximate age of the specimen to the highest degree possible. Ceramic artifacts were analyzed by domain (domestic, architectural, or infrastructural), function (i.e., food storage, tableware, insulator, or sewer pipe), material type, origin, stylistic motifs, and maker's marks. Each specimen was measured by length, width, and thickness. Glass artifacts were classified as historic or modern/nondiagnostic. Historic attributes were determined by form, manufacturing technique, color, decoration, alteration, and maker's marks. Metal artifacts were analyzed by form and function, with unidentifiable fragments weighed by bulk. Artifacts were quantified in a standard manner using counts and weights. Analysts consulted references in order to attribute an approximate age for each artifact, when possible. Photographs of selected diagnostic historical period artifacts are presented in Appendix C.

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# 6 Results

## 6.1 Overview of Findings

A total of eight Test Trench (TT) locations were attempted with the goal of finding archaeological features that could be evaluated under CEQA. TT 7 was abandoned due the presence of shallow modern utilities. Given that the Phase II testing largely followed the Extended Phase I investigation methodologically, the two data sets are combined in this section for completeness and to clarify the continuity of the TT and feature numbering. The cumulative results by TT are summarized in Table 3. Detailed descriptions of the TTs where features were located are provided in Section 6.1.2. All 12 TT locations and Locus 1 are shown graphically in Figure 2, while Figure 5 provides a sketch map of Locus 1 where the five features were uncovered.

**Table 3. Overview by Test Trench (Combined Data for Extended Phase I and Phase II)**

| TT Number | Features | Sheet Deposit | Notes |
|---|---|---|---|
| 1 | None | Present | — |
| 2 | Feature 1<br>Feature 2 | Present | — |
| 2a | Feature 2<br>Feature 4 | Not present | TT 2a located adjacent to the south portion of the east sidewall of TT 2 to expose more of Feature 2 |
| 3 | None | Present | — |
| 4 | None | Present | — |
| 5 | Feature 3 | Not present | — |
| 6 | Feature 5 | Not present | — |
| 7 | None | Unknown | TT 7 abandoned due to multiple modern utilities just below asphalt paving |
| 8 | None | Not present | — |
| 9 | None | Not present | — |
| 10 | None | Present | — |
| 11 | None | Not present | — |

### 6.1.1 Sheet Refuse Deposit

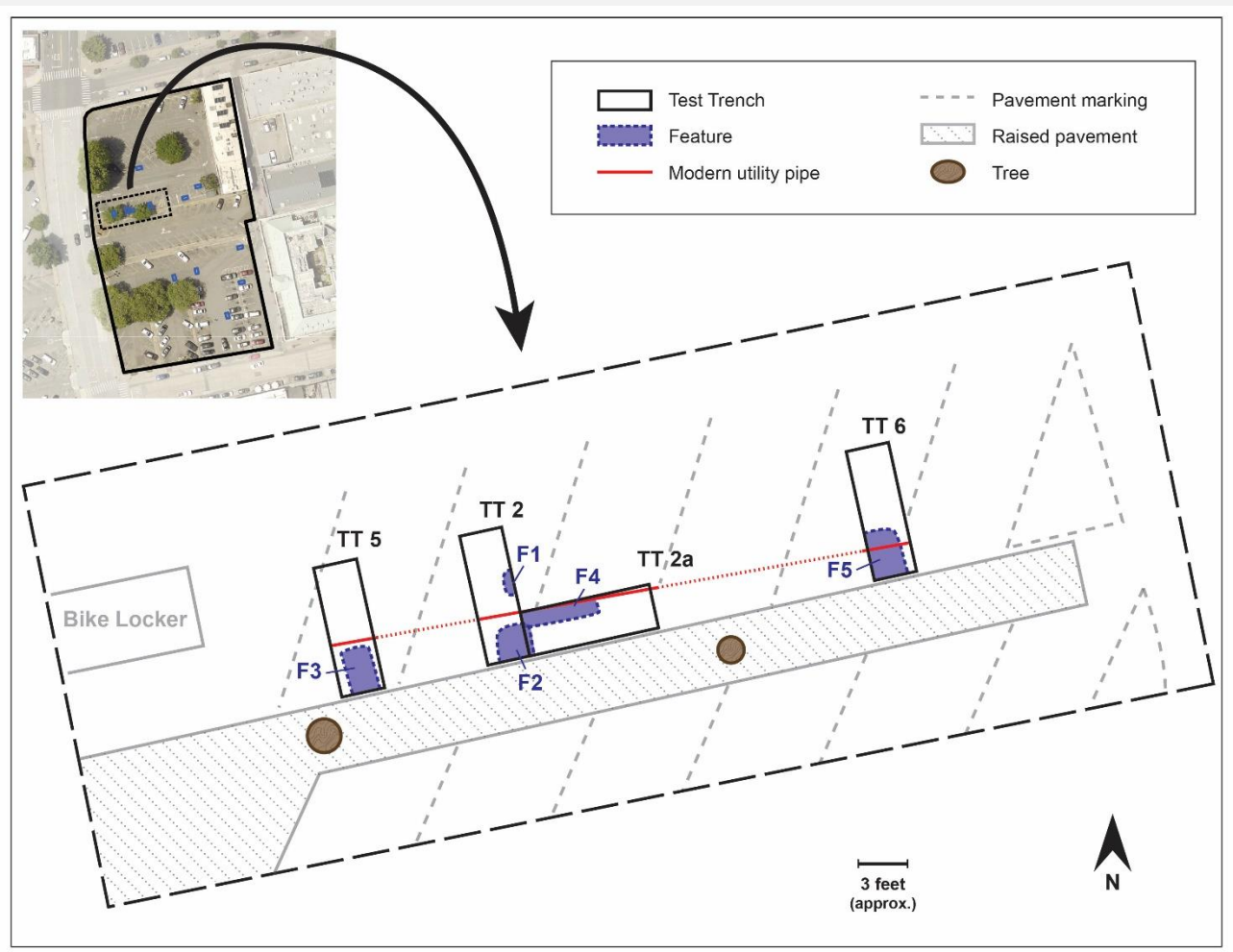
Of the 11 completed TTs, five were positive for an intermittent sheet refuse deposit (SRD) of cultural materials just below the rock and gravel fill layer supporting the asphalt parking surface. Where present, these materials are in a layer of variable thickness from 2 to 10 inches. Artifact size and density is low and include historical period domestic artifacts (glass, ceramic, and metal) associated with the mid- to late nineteenth century and early to mid-twentieth century. Bone and charred seeds were also present. The random nature of the layer and the artifacts suggests the sheet deposit is significantly disturbed and the artifacts are not in the locations of original deposition. Since the sheet deposit is immediately below the gravel fill of the parking lot, the sheet deposit may be the last walking surface prior to construction of the parking area. This would account the small size of individual artifacts and the

overall random nature of the cultural material. The sheet deposit is not potentially significant and would not contribute to the artifact deposit within the Project Area being considered a historical resource.

### 6.1.2 Test Trenches with Features

Of the 11 completed TTs listed in Table 3, 7 were negative and four were positive for archaeological features. Specifically, TT 2, 2a, 5, and 6 contained features (Features 1, 2, 3, 4, and 5) in a tight grouping shown as Locus 1 on Figure 2. Each feature was excavated by hand and removed to permit the completion of the mechanical testing to an average depth of about 4.5 feet in the TTs. The four positive TTs are described in detail below to provide context for the formal evaluation of the site under CEQA presented in Section 7, Resource Evaluation. Figure 5 provides a sketch map of Locus 1 showing the orientation and relationship of the four TTs and the location of the Features 1, 2, 3, 4, and 5.

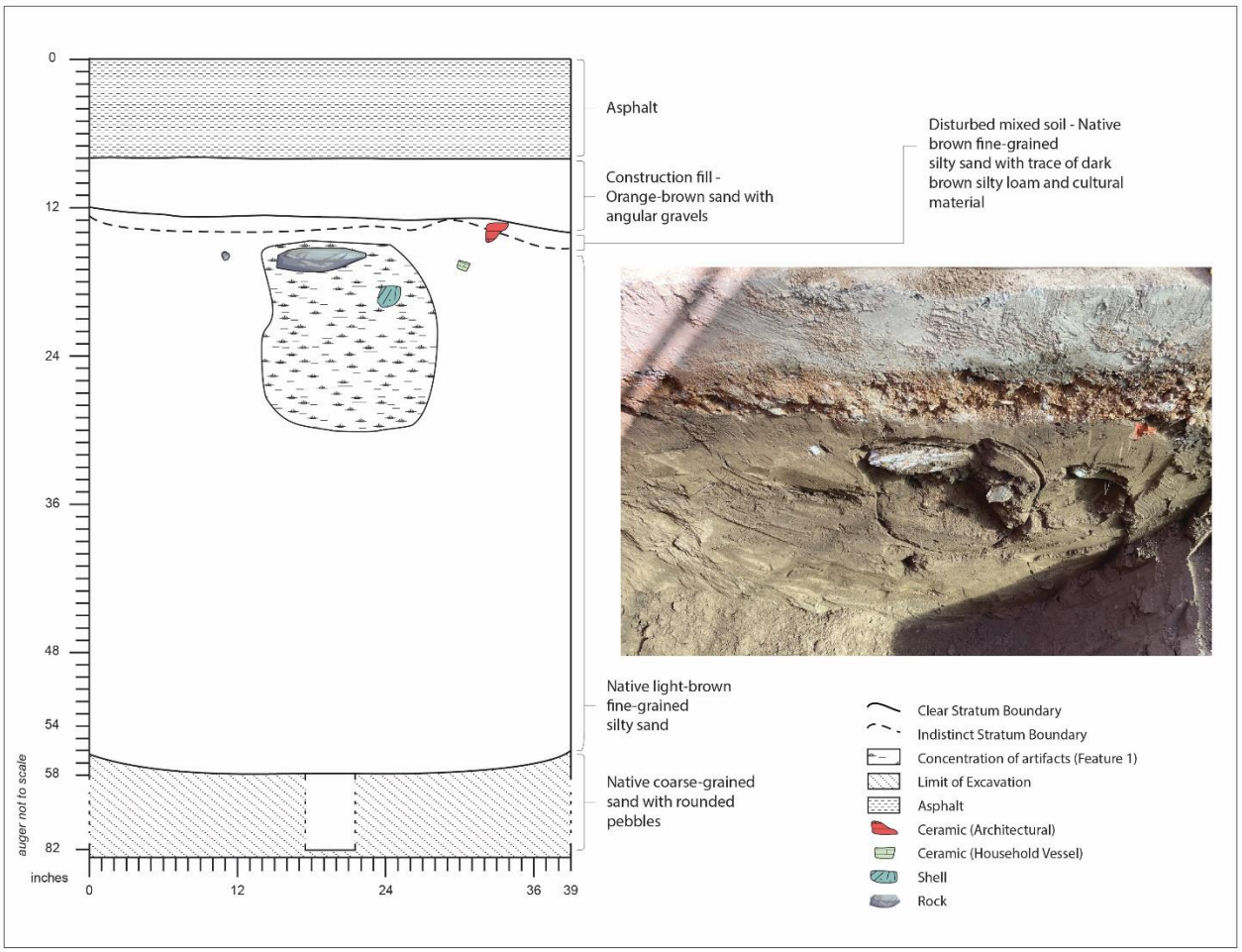
**Figure 5.** Locus 1 Sketch Map



## Test Trench 2

Dudek identified four distinct soil strata capped by a layer of 8 inches of asphalt (Figure 6, TT 2 East Profile). The first stratum was a layer of orange-brown gravelly sand construction fill extending 4 inches below the asphalt (to 12 inches below ground surface). A thin layer (~2 inches) of mixed disturbed soil was observed below, down to 14 inches below ground surface. The stratum consisted of fine-grained brown silty sand containing sparse historical period cultural materials (SRD; see Section 6.1.1, Sheet Refuse Deposit) mixed with dark brown silty loam. Next, a layer of sterile lighter brown fine-grained silty sand was observed down to 58 inches below surface. Two concentrations of cultural material were found intrusive to this stratum. They are described below as Feature 1 and 2. The last stratum observed in this trench below 58 inches was coarse-grained sand with water-worn pebbles.

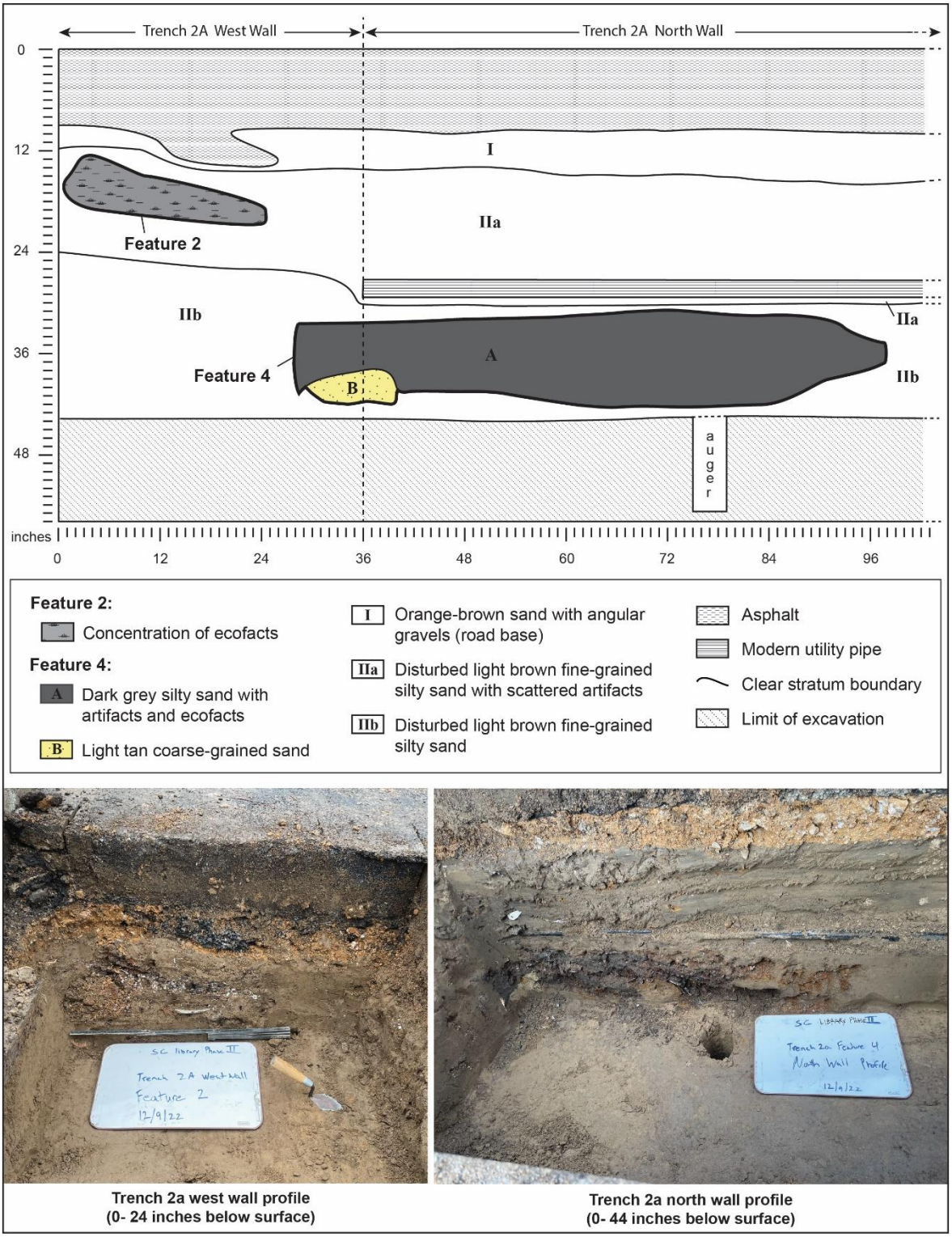
**Figure 6.** TT 2 East Profile



### Test Trench 2a

Test Trench 2a was located at the south end of the east sidewall of TT 2. The location was selected to expose more of Feature 2, which was located at the south end of TT 2 (Figure 5). Like TT 2, TT 2a was capped by a layer of 9 inches of asphalt and almost no fill. The SRD was not found in TT 2a. Feature 2 was noted in the west end of TT 2a, but the feature did not extend more than a few inches beyond the east sidewall of TT 2. The depth of Feature 2 in this TT was not as deep as it was in TT 2. The metal utility pipe was found to continue in TT 2a along the north sidewall. Below the pipe there was another concentration of cultural material (metal, glass, and charred bone). The concentration was designated as Feature 4. Soil above Feature 4 did contain artifacts, as this soil was likely the backfill for the utility pipe trench. The shape and location of Feature 4 suggests it was material placed at the bottom of the utility pipe trench. The last stratum appeared to be native sediments consisting of a dark greyish brown fine-grained silty sand transitioning to a coarse-grained sand with water-worn pebbles. A hand auger confirmed that this material extended beyond about 4.5 feet (Figure 7, TT 2a West and North Profile).

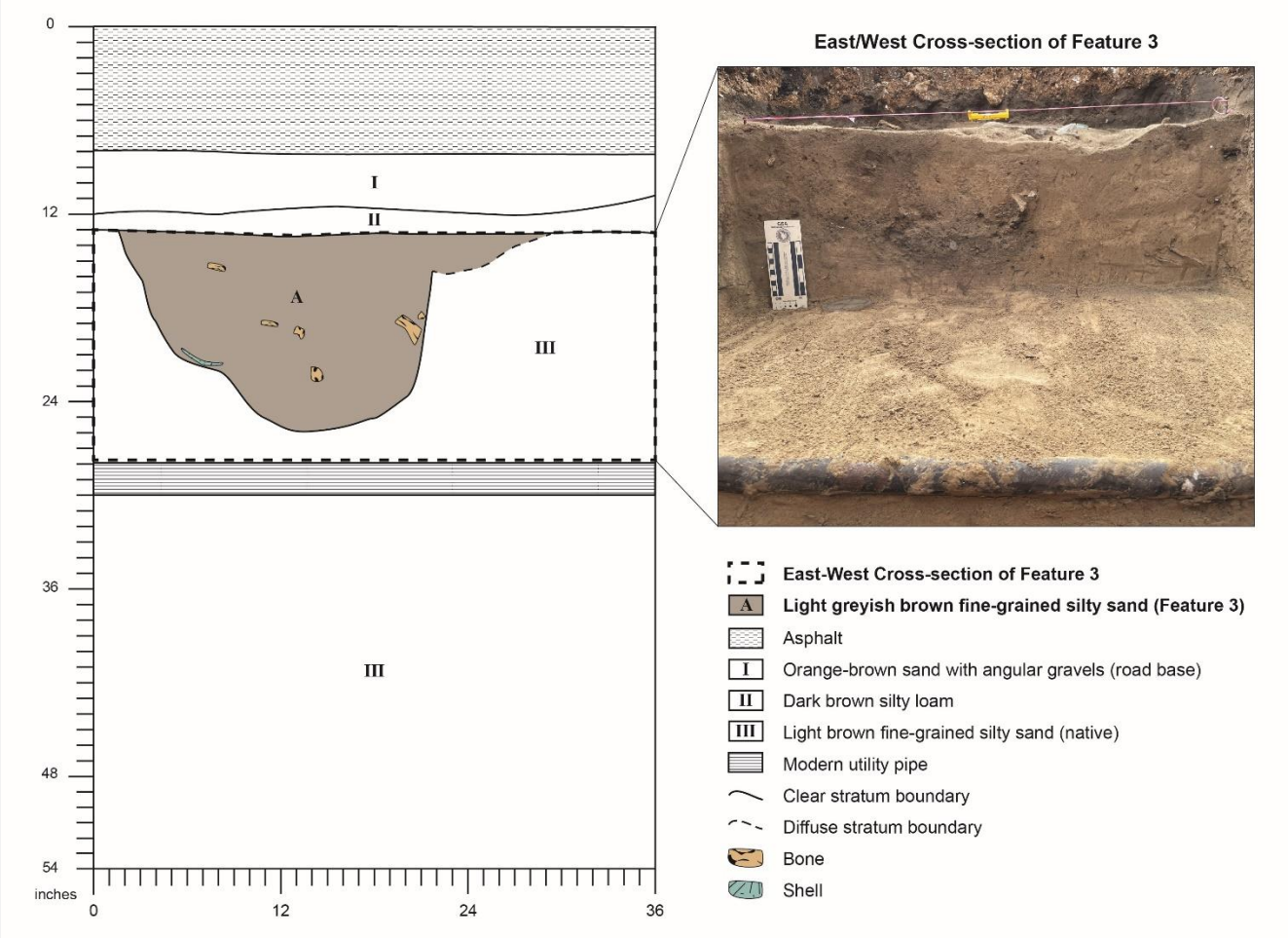
**Figure 7.** TT 2a West and North Profile with Feature 2 and 4



## Test Trench 5

Trench 5 was oriented north–south about 11 feet west of TT 2 (Figure 5). The TT 5 profile as very similar to TT 2. Dudek identified four distinct soil strata capped by a layer of 8 inches of asphalt (Figure 8, TT 5 South Profile). The first stratum was a layer of orange-brown gravelly sand construction fill extending 4 inches below the asphalt (to 12 inches below ground surface). Unlike TT 2, the thin layer of SRD was not found in TT 5. Feature 3 was found just below the fill layer at 13 inches below surface in the south 3 feet of the TT. The stratum consisted of fine-grained brown silty sand containing sparse historical period cultural materials. Other than Feature 3, the soil below the fill layer was sterile light brown fine-grained silty sand down to 58 inches below surface. The last stratum observed in this trench below 58 inches was coarse-grained sand with water-worn pebbles.

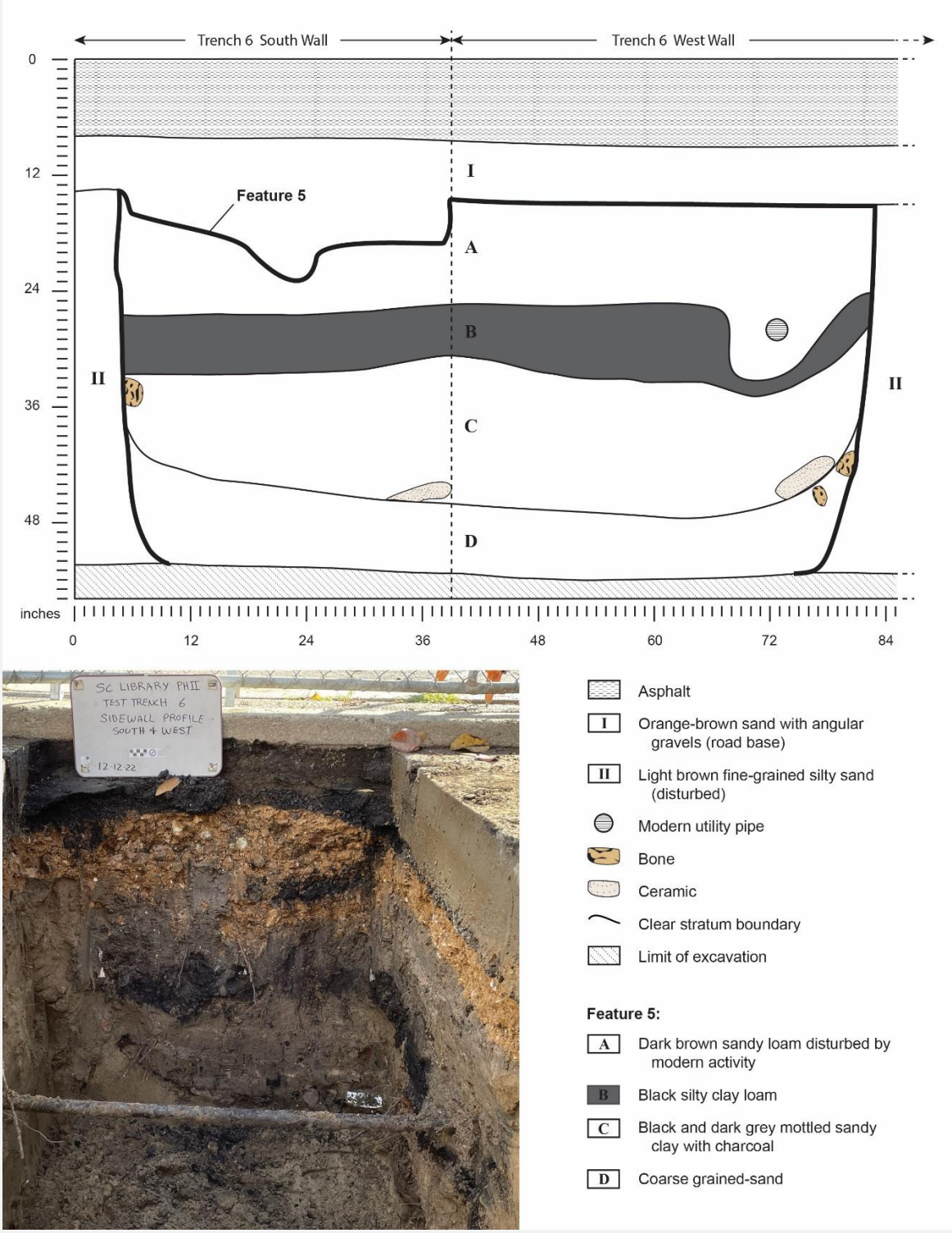
**Figure 8.** TT 5 South Profile with Feature 3



### Test Trench 6

Trench 6 was orientated north–south, similar to TT 2 and TT 5. The location was about 20 feet east of TT 2 (Figure 5). Asphalt and fill extended to approximately 9 inches below surface. The profile below the fill layer is difficult to describe since Feature 5 was found in the in the south portion of the TT and extended to near the bottom of the TT at approximately 4.5 feet. The metal utility pipe also intruded into the TT. Like in TT 2a, the trench for the utility pipe was clearly identified in the west and east sidewalls. North of Feature 5 native light brown fine-grained silty sand (same as in TT 2 and 3) was observed below to a depth of 44 inches. Lastly, the same coarse-grained sand with water-worn pebbles observed at the bottom of TT 1, TT 2, and TT 3 was present at the bottom of TT 6 (Figure 9, TT 6 South and West Profile).

**Figure 9.** TT 6 South and West Profile with Feature 5



### 6.1.3 Features

Dudek identified five features during the Extended Phase I and Phase II field efforts. The features were close together, located within 35 feet of each other. The area was recorded as Locus 1 (Figures 2 and 5) of DUD-LIB-1. Dudek excavated each feature by hand and took a minimum 50% sample of the area exposed in the associated TT for laboratory analysis. The location and size of the features are described in detail below. Material recovery from each feature is described in Section 6.2.

#### Feature 1

Feature 1 was found in the central portion of TT 2 just under the gravel fill supporting the asphalt parking surface, at approximately 15 inches below the surface. The cultural layer present in the other three trenches was very thin (less than 2 inches) in TT 2, and Feature 1 was surrounded by native silty sand that was identified as native soil in the other three TTs. Since Feature 1 is intrusive into native soil and appears *in situ*, it seems likely it was dug intentionally as part of one or several dumping events.

The observable dimensions of Feature 1 were 18 inches long, 16 inches wide, and 14 inches thick. These dimensions must be considered incomplete however, as Feature 1 clearly extended into the east sidewall of TT 2. A 2-inch metal utility pipe bounded Feature 1 on the south side in a narrow area of relative sterile soil between Feature 1 and Feature 2 to the south.

Artifacts recovered from Feature 1 included 78 ceramic whiteware sherds, 1 porcelain sherd, 18 glass shards, 7 metal artifacts including nails, 1 safety pin, and various fragments of unidentifiable slag, 29.9 grams of marine shell fragments, and 45 faunal bone specimens (see Table 4). See Section 6.2 below for a detailed analysis of the recovered artifacts. A plan view of Feature 1 is shown in Figure 10.

**Figure 10.** Feature 1 Plan View at 20 Inches Below Surface (1240)

## Feature 2

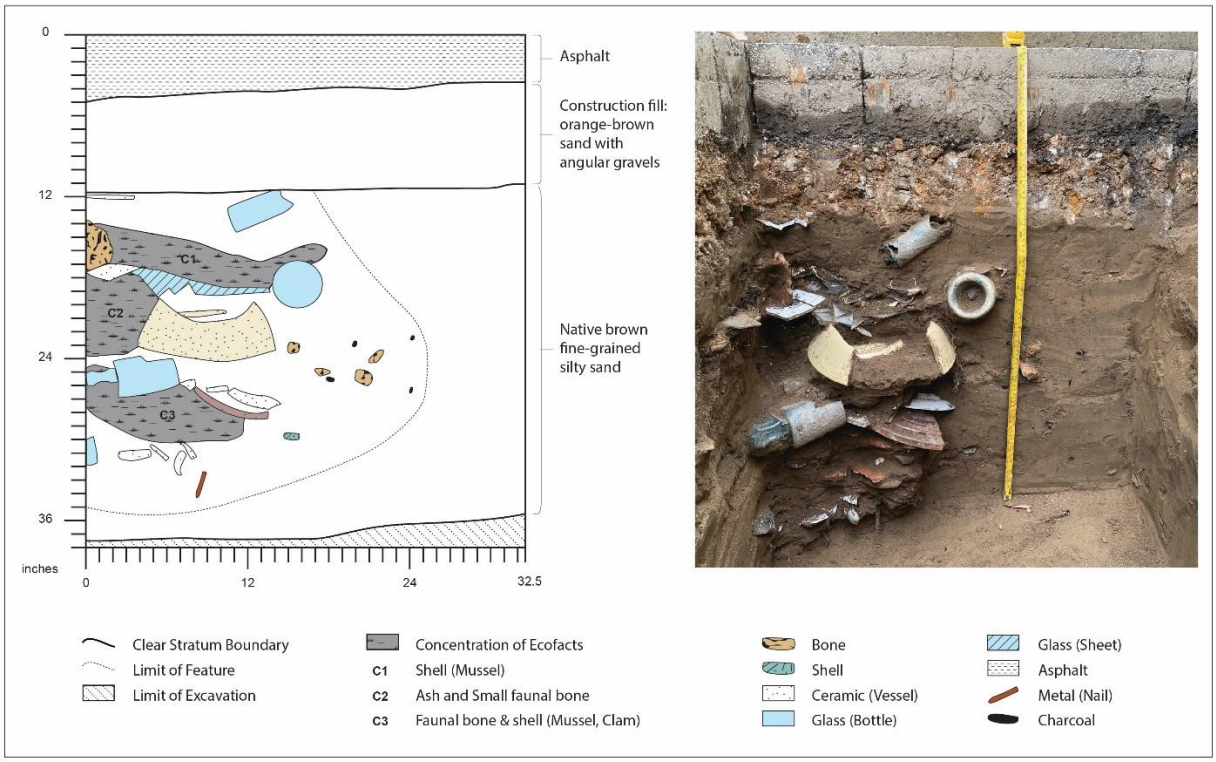
Like Feature 1, Feature 2 was found immediately below the gravel fill supporting the asphalt parking surface. However, Feature 2 was larger and more compact. The top of Feature 2 was uncovered at 15 inches below the surface in the southeast corner of TT 2. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents appeared *in situ* and the feature seems likely to have been dug intentionally as part of one or several dumping events.

The observable dimensions of Feature 2 were 26 inches long (east–west) (24 inches in TT2 and 2 inches in TT2a), 20 inches wide (north–south), and 20 inches thick. The feature clearly extended into the south sidewall of TT 2 and TT2a, however. A 2-inch modern metal utility pipe bisected TT 2 between Features 1 and 2, approximately 14 inches north of Feature 2. No utility trench was visible as the pipe seems to be laying directly in the same native silty sand as both features. Figure 7 and Figure 11 provide a profile of the feature in TT2a and TT2 respectively.

During Extended Phase I excavation and monitoring a total of 171 historic period artifacts, 174 faunal bone specimens, 619.6 grams of avian shell, marine shell, and charcoal were recovered from Feature 2. Specific collected material included 41 ceramic whiteware sherds, 3 porcelain sherds, 1 intact whiteware bowl, 37 glass bottle shards, 21 pane glass shards, 1 canning jar lid shard, 1 intact milk glass button, 2 colorless glass decorative

knobs, 5 glass tumbler shards, 1 intact aqua glass bottle, 1 spoon with a bone or ivory handle, 42 miscellaneous slag-covered pieces of hardware, 1 small engraved photo frame, 1 skeleton key, 1 pocketknife, 2 fragments of an etched metal dish, 6 shell button/button fragments, and 12 burned seeds, One soil sample containing charred organic material was also recovered during excavation. Many of the artifacts were temporally diagnostic or bore unique patterns, marks, and/or characteristics. During Dudek's Phase II investigation, an additional 16 historic period artifacts, 63.9 grams of faunal bone, and 3.1 grams of marine shell were recovered. The historic period artifacts consisted of 6 ceramic whiteware sherds, 8 glass shards, a metal bell or funnel, and 1 nail. See Section 6.2 below for a detailed analysis of the recovered artifacts.

**Figure 11.** TT 2; Feature 2 Profile, View South




## Feature 3

Like Features 1 and 2, Feature 3 was found immediately below the gravel fill supporting the asphalt parking surface, about 13 inches below the surface. Feature 3 was in the south 3 feet of TT 5. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents were generally smaller and sparser that those in Feature 2. While clearly *in situ*, the feature seems likely to have been created by several dumping events.

The observable dimensions of Feature 3 were 36 inches long (east–west), 36 inches wide (north–south), and 13 inches thick. The feature did not extend into the east, west, or south sidewall of TT 5. The same 2-inch modern metal utility pipe found in TT 2 extended into TT 5 and ran along the north edge of Feature 3.

A total of 138 historic period artifacts, 994.3 grams of faunal bone, and 24.3 grams marine shell were recovered from Feature 3. Specific collected material included 43 ceramic whiteware sherds, 1 brick fragment, 15 glass bottle shards, 1 pane glass shard, 27 nails, 1 spoon with a bone or ivory handle, 48 miscellaneous slag-covered pieces of hardware, 1 bottlecap, 1 fragment from a lock, 2 bullet casings, 1 fragment of slate, and 1 large fragment of pencil lead. None of the artifacts were temporally diagnostic or bore unique patterns, marks, and/or characteristics. See Section 6.2 below for a detailed analysis of the recovered artifacts. Feature 3 is shown in profile in Figure 8 and in plan view in Figure 12.

**Figure 12.** Feature 3 Plan View Before Excavation (showing bisect line) (IMG_1297)

## Feature 4

Feature 4 was exposed in the north sidewall of TT 2a. Feature 4 was found deeper than the other features, just below the 2-inch modern metal utility pipe, approximately 30 inches below the surface. The observable dimensions of Feature 4 were 62 inches long (east–west), 10 inches wide (north–south), and 10 inches thick. However, the

feature clearly extended into the west and north sidewall of TT 2a. The long narrow shape of the feature and its location just below the metal utility pipe suggest the feature was impacted by installation of the pipe. No well-defined utility trench was visible around the pipe in TT 2a.

A total of 25 historic period artifacts and 188.8 grams of faunal bone were recovered from Feature 4. Specific collected material included 4 ceramic whiteware sherds, 1 porcelain sherds, 1 clay pipe stem fragment, 13 glass bottle shards, 3 miscellaneous slag-covered pieces of hardware, 2 fragments of tin cans, 1 fragment of a purse clasp, and 1 decorative metal embellishment. A few of the artifacts were relatively temporally diagnostic or bore unique patterns, marks, and/or characteristics. See Section 6.2 below for a detailed analysis of the recovered artifacts. Feature 4 is shown in profile in Figure 7 and in plan view in Figure 13.

**Figure 13.** Feature 4 Plan View Before Excavation (IMG_017)

### Feature 5

Like Features 2 and 3, Feature 5 was found immediately below the gravel fill supporting the asphalt parking surface in TT 6. Feature 5 was most like Feature 3 regarding the density of artifacts. The top of Feature 5 was uncovered at about 14 inches below the surface in the southeast corner of TT 6, however the gravel fill in this location was not level and intruded into the top of Feature 5 to a depth of approximately 23 inches below the surface. The feature consisted of a concentration of historic refuse with three vertical contexts. Context A extended from the uneven top of the feature to about 27 inches and consisted of dark brown sandy loam clearly disturbed by placement of the modern fill. Context B was a layer of black silty clay loam extending from about 27 inches to 32 inches below the surface. Context C was black/dark gray clay loam extending from 32 to 46 inches below the surface. All three contexts appeared intrusive into native silty sand, which extended to the bottom of the modern fill in the southeast corner of TT 6.

The observable dimensions of Feature 5 were 30 inches long (east–west), 42 inches wide (north–south), and 46 inches thick. The feature clearly extended into the west and south sidewall of TT 6. The 2-inch modern metal utility pipe traversed Feature 5 at about 28 inches below the surface. The utility trench for the metal pipe was clearly visible within Context B of Feature 5 and contains soil from Context A.

A total of 378 historic period artifacts, 578.7 grams of faunal bone, 399.6 grams of marine shell, 9.3 grams of charcoal, and 11.5 grams of burned seeds/fruit pits were recovered from Feature 5. Specific collected material in Context A included 3 ceramic whiteware sherds, 1 salt-glazed tile sherd, 5 clay pipe fragments, 4 sherds of a porcelain toy tea set, 1 sherd of blue-ombre painted porcelain, 14 glass bottle shards, 42 pane glass shards, 1 glass bottle stopper, 1 intact milk glass button, 70 nails, 27 miscellaneous slag-covered pieces of hardware, 1 fragment from a lock, and 2 pieces of a watch or jewelry chain. Specific collected material in Context B included 22 ceramic whiteware sherds, 1 porcelain sherd, 5 clay pipe fragments, 4 sherds of a porcelain toy tea set, 2 porcelain doorknobs, 47 glass bottle shards, 25 pane glass shards, 2 intact glass bottles, 1 glass marble, 78 miscellaneous slag-covered pieces of hardware, 1 large metal handle, 1 possible napkin ring, 1 large spoon, and 1 fragment of saw-cut slate. Additional artifacts were recovered from Context C, specifically 2 ceramic whiteware sherds, 2 porcelain sherds, 2 glass bottle bases, 3 glass champagne flute shards, 2 intact glass bottles, and 1 fragment of saw-cut slate. Many of the artifacts from Feature 5 were temporally diagnostic or bore unique patterns, marks, and/or characteristics. See Section 6.2 below for a detailed analysis of the recovered artifacts. Feature 5 is shown in profile in Figure 9 and in plan view in Figure 14.

**Figure 14.** Feature 5 Plan View Before Excavation (IMG_1311)

## 6.2 Feature Material Recovery and Analysis

Following fieldwork, post-field laboratory analysis was performed in the Dudek office in Santa Cruz, California. The work included sorting, washing, cataloging, and analyzing the archaeological collection. All recovered materials were individually examined and cataloged according to class, object (subclass), and material and were counted and weighed on a digital scale. All coded data were entered into the general artifact catalog. All artifacts recovered during the excavation corresponded to the historic period and were thus categorized by material type. Dudek conducted further analysis for items that possessed diagnostic characteristics.

Table 4 presents gross material recovery by type and testing location. During XPI testing a total of 267 historical period artifacts (including 1,166.4 grams of faunal bone, 608.1 grams of marine shell, 1.8 grams of avian shell, 19.2 grams

of charcoal, and 12 grams of seeds) were recovered from Features 1 and 2. A total of 558 historical period items (including 1,825.8 grams of faunal bone, 427 grams of marine shell, 9.3 grams of charcoal, and 11.5 grams of seeds) were recovered during Phase II investigation from Features 2, 3, 4, and 5. An overwhelming percentage of the artifacts recovered were from Feature 5, with 378 artifacts and 999.1 grams of ecofacts recovered between contexts. The complete artifact catalogs from both Phases are included in Appendix B.

### Table 4. Recovered Artifacts and Ecofacts by Class and Feature

| Test Location and Depth (in) | Artifacts by Class Type | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Historical Period Artifacts | | | | Ecofacts | | | | | Row Artifact Total Count (ct) / Weight (g) |
| | Glass | Ceramic | Metal | Other | Faunal Bone (g) | Marine Shell (g) | Avian Shell (g) | Coal (g) | Seeds (g) | |
| **Feature 1** | | | | | | | | | | |
| 15–29 | 27 | 8 | 61 | — | 304 | 0.3 | — | 9.2 | — | 97 ct/ 313.5 g |
| **Total** | **27** | **8** | **61** | — | **304** | **0.3** | — | **9.2** | — | **97 ct/ 313.5 g** |
| **Feature 2** | | | | | | | | | | |
| Phase I 15–35 | 68 | 47 | 49 | 7 | 862.4 | 607.8 | 1.8 | 10 | 12 | 171 ct/ 1,494 g |
| Phase II 12–20 | 8 | 6 | 2 | — | 63.9 | 3.1 | — | — | — | 16 ct/ 67 g |
| **Total** | **76** | **53** | **51** | **7** | **926.3** | **610.9** | **1.8** | **10** | **12** | **187 ct/ 1,561 g** |
| **Feature 3** | | | | | | | | | | |
| 12–26 | 16 | 41 | 79 | 2 | 994.3 | 24.3 | — | — | — | 138 ct/ 1,018.6 g |
| **Total** | **16** | **41** | **79** | **2** | **994.3** | **24.3** | — | — | — | **138 ct/ 1,018.6 g** |
| **Feature 4** | | | | | | | | | | |
| 31–42 | 13 | 6 | 7 | — | 188.9 | — | — | — | — | 26 ct/ 188.9 g |
| **Total** | **13** | **6** | **7** | — | **188.9** | — | — | — | — | **26 ct/ 188.9 g** |
| **Feature 5** | | | | | | | | | | |
| Context A 12–27 | 57 | 15 | 100 | — | 248.7 | 327.7 | — | 0.1 | 10 | 172 ct/ 261.2 g |
| Context B 27–34 | 77 | 35 | 81 | 1 | 330 | 6.6 | - | 9.2 | 1.5 | 194 ct/ 347.3 g |
| Context C 34–48 | 7 | 4 | - | 1 | — | 65.3 | - | - | - | 12 ct/ 65.3 g |

### Table 4. Recovered Artifacts and Ecofacts by Class and Feature

| Test Location and Depth (in) | Artifacts by Class Type | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Historical Period Artifacts | | | | Ecofacts | | | | | Row Artifact Total Count (ct) / Weight (g) |
| | Glass | Ceramic | Metal | Other | Faunal Bone (g) | Marine Shell (g) | Avian Shell (g) | Coal (g) | Seeds (g) | |
| Total | 141 | 54 | 181 | 2 | 578.7 | 399.6 | — | 9.3 | 11.5 | 377 ct/ 999.1 g |
| Excavation Total | 273 | 162 | 379 | 11 | 2,992.2 | 1,035.1 | 1.8 | 28.5 | 23.5 | 825 ct/ 4,081.1 g |

**Notes:** in = inches below the surface; TT = Test Trench.

## 6.2.1 Glass

During Phase I testing 88 glass artifacts were recovered from Features 1 and 2. Almost all artifacts exhibited no diagnostic artifacts. These included 58 bottle shards of various colors, 7 fragments of paneled colorless glass tumblers, 21 shards of thin, aqua pane glass likely from photo frames. One intact round, white, molded milk glass button (Cat No. 125, Phase I catalog) was recovered from Feature 2, but a finite temporal range could not be established. Cat No. 99 exhibited characteristics that corresponded to a temporal range between the 1830s and the 1910s (see Table 5).

One hundred and seventy-eight artifacts were recovered during the Phase II investigation. Several artifacts exhibited no diagnostic attributes. These included 89 bottle shards of various colors, 71 shards of thin pane glass likely from photo frames, 10 shards from champagne flutes or wine glasses, 1 shard of stained glass, and 1 glass marble (see Table 5 for recovered glass artifacts by Feature). One intact round, white, molded milk glass button (Cat No. 102) was recovered from Feature 5, Context B, but a finite temporal range could not be established. Four amethyst shards, one aqua bottle shard, one hobbleskirt Coke bottle base, and four intact bottles (Cat Nos.11, 49, 51, 56, 58, 59, 72, 96, 103 and 104) exhibited characteristics that corresponded to a temporal range between the 1850s and the early 1930s (see Table 6). These final 10 artifacts, as well as 1 from the Phase I testing, are described in detail below.

### Table 5. Glass Artifacts by Type and Feature

| Unit | Bottle Shards | Pane Shards | Vessel Shards | Buttons | Marble | Bottle Stopper | Stained Glass | Complete Bottles | Row Total |
|---|---|---|---|---|---|---|---|---|---|
| **Feature 1** | 16 | - | 2 | — | — | — | — | — | 18 |
| **Feature 2** | | | | | | | | | |
| Phase I | 42 | 21 | 5 | 1 | — | — | — | 1 | 70 |
| Phase II | 2 | 3 | 3 | — | — | — | — | — | 8 |
| **Feature 3** | 15 | 1 | — | — | — | — | — | — | 16 |
| **Feature 4** | 13 | - | — | — | — | — | — | — | 13 |
| **Feature 5** | | | | | | | | | |
| Context A | 14 | 42 | — | — | — | 1 | — | — | 57 |
| Context B | 43 | 25 | 4 | 1 | 1 | - | 1 | 2 | 77 |

### Table 5. Glass Artifacts by Type and Feature

| Unit | Bottle Shards | Pane Shards | Vessel Shards | Buttons | Marble | Bottle Stopper | Stained Glass | Complete Bottles | Row Total |
|---|---|---|---|---|---|---|---|---|---|
| Context C | 2 | — | 3 | — | — | — | — | 2 | 7 |
| **Total by Type** | **147** | **92** | **17** | **2** | **1** | **1** | **1** | **5** | **266** |

### Table 6. Temporally Diagnostic Glass Artifacts

| ID | Feature / Context | Function | Mark | Date | Reference | Comments |
|---|---|---|---|---|---|---|
| Cat No. 99 (Phase I catalog) | Feature 2 / 15-35 in | Perfume bottle | Murray & Lanman, Druggists, New-York | 1835-1853 | Bay Bottles 2018 | Fragmented Murray & Lanman's Florida Water bottle for toilets, handkerchiefs, or cologne |
| Cat No. 11 | Feature 3 | Medicinal bottle | [D}ruggist/. H. B./ AL | Mid 1870s-early 1930s | Lockhart 2006 | Amethyst bottle shard |
| Cat No. 49 | Feature 4 | Personal/ Grooming | [W]hittemor[e]/ Boston/ U.S.A. | 1852-late 1930s | Glass Bottle Marks 2017 | Aqua shard from shoe polish bottle |
| Cat No. 51 | Feature 4 | Unknown | None | Mid 1870s-early 1930s | Lockhart 2006 | Amethyst bottle shard |
| Cat No. 56 | Feature 5, Context C | Beverage bottle | None | 1915-late 1920s | Glass Bottle Marks 2022 | Hobbleskirt Coke bottle base, Georgia Green color |
| Cat No. 58 | Feature 5, Context C | Unknown | None | Mid 1800s-1915 | SHA 2021 | Complete machine-made aqua bottle with shoulder seams |
| Cat No. 59 | Feature 5, C | Personal/ Grooming | Burnett's Cocoaine// Burnett// Boston | 1857-late 1890s | Odyssey's 2023 | Complete aqua bottle |
| Cat No. 72 | Feature 5, Context A | Unknown | None | Mid 1870s-early 1930s | Lockhart 2006 | Amethyst bottle shard |
| Cat No. 96 | Feature 5, Context B | Unknown | None | Mid 1870s-early 1930s | Lockhart 2006 | Amethyst bottle shard |
| Cat No. 103 | Feature 5, Context B | Personal/ Grooming | Eastman's Royal Perfume | 1887-1920 | Lockhart 2006; Weicker 1893 | Complete amethyst bottle |

### Table 6. Temporally Diagnostic Glass Artifacts

| ID | Feature / Context | Function | Mark | Date | Reference | Comments |
|---|---|---|---|---|---|---|
| Cat No. 104 | Feature 5, Context B | Medicinal bottle | A. Trask's// Magnetic//Oint ment | 1880s-1907 | Vintage Medicine Cabinet 2016; Nickell 2016 | Complete aqua bottle |

Cat No. 99 (Phase I catalog) is a nearly complete aqua glass bottle in 10 fragments, and one of two significant glass specimens recovered from Feature 2 in TT 2. The bottle is embossed with "RIDA/MURRAY & LANMAN/DRUGGISTS/ [N]EW YORK///19". Murray & Lanman first registered in 1835 and was a partnership between Lindley Murray and Davin Trumball Lanman. Both Murray and his brother were established druggists in New York at the time. After Murray's death in 1848, Lanman ran the business as a sole proprietor until 1853 when he formed a new partnership with George Kemp called David T. Lanham & Co. (Bay Bottles 2018). Murray & Lanham produced Florida Water, a toilet water or perfume that could be added to toilets, baths, or handkerchiefs. Under different incorporations, the same product has been sold now for over 200 years. Although it was first available in the US in 1808, bottles were not embossed with the Murray & Lanman name until 1835. Based upon these characteristics, the bottle dates between 1835 and 1853.

Cat Nos. 11 (Feature 3), 51 (Feature 4), 72 (Feature 5, Context A), and 96 (Feature 5, Context B) are amethyst bottle shards bearing no maker's marks. The amethyst tint in bottle glass is a distinctive feature of the use of manganese as a decolorizer (to obtain clear glass). The use of manganese in glass bottle manufacturing has been dated between the mid-1870s and the early 1930s (Lockhart 2006).

Cat No. 49 is an aqua bottle shard recovered from Feature 4. The shard is embossed with "[W]hittemor[e]/ Boston/ U.S.A.". Whittemore Bros. & Company was a produced of shoe polish or dressing based in Cambridge, Massachusetts between 1852 and the late 1930s. Older bottles of shoe polish produced by Whittemore bear the embossing present on Cat 49, with later bottles incorporating decorative Maltese-cross designs (Glass Bottle Marks 2017). Based on the maker's marks present, Cat 49 likely was manufactured between 1852 and the 1890s.

Cat No. 56 is a Georgia Green hobbleskirt Coca Cola bottle base recovered from Feature 5, Context C. No maker's marks or decorative embossing details are present. The shard includes the complete base and portions of the side of the bottle with panneling. The hobbleskirt patent was issued in 1915 and was unique to Coca Cola at this time (Glass Bottle Marks 2022). The lack of embossing on the base of the bottle along with the hobbleskirt design suggest Cat No. 56 was manufactured between 1915 and the late 1920s.

Cat No. 58 is an intact aqua bottle with shoulder seams up to the lip of the bottle rim. No maker's marks or decorative designs are embossed on the bottle. The presence and location of the bottle seams and the lack of a suction scar on the base indicates it was likely mouth-blown or hand-made prior to 1915 when automated machine-production began dominating the market (SHA 2021). Based on its characteristics, Cat 58 likely dates between the mid-1800s and 1915.

Cat No. 59 is an intact colorless bottle recovered from Feature 5, Context C. The bottle is embossed with "Burnett's Cocoaine// Burnett// Boston". Joseph Burnett was a pharmacist and importer of toilet articles and flavoring extracts in the early to mid-1800s. In 1857 he patented "Cocoaine for the hair", a coconut oil product for grooming

intentionally with "cocaine" in the name to capitalize on the popularity of the use of cocaine-laced medicines at the time (Odyssey's 2023). Cocoaine was formulated with coconut oil and 50%alcohol. Burnett advertised the product as "a perfect hair dressing" that would stimulate healthy and vigorous hair growth (Odyssey's 2023). The product was manufactured for 40 years before Burnett's death. Due to the long range of production without any changes to the maker's mark or decorative embossing, Cat 59 dates between 1857 and the late 1890s.

Cat No. 103 is a complete amethyst bottle embossed with "Eastman's Royal Perfume" on one side. The bottle was recovered from Feature 5, Context B. No decorative embossing or identifying marks are present. The Eastman Perfume Company of Cincinnati, Ohio was a subdivision of Jergens (Weicker 1893). Eastman was established in 1877 and incorporated in 1895, with most of their sales being performed by traveling salesmen based out of San Francisco and Chicago. Eastman produced perfumes between 1887 and 1920. An extensive catalog of the perfume names and their corresponding production dates exists but lacks information on the types of bottles the perfumes were contain in. While the amethyst color of the bottle indicates it could have been produced as early as the mid-1870s, the Eastman production dates provide a more finite temporal range. Based on this, Cat 103 dates between 1887 and 1920.

Cat No. 104 is a complete aqua bottle embossed with "A. Trask's// Magnetic//Ointment". The bottle was recovered from Feature 5, Context B. Reverend George Trask of Fitchburg, Massachusetts, was a strong opponent of the use of tobacco and authored the 1852 book *Thoughts and Stories on Tobacco for American Lads*. Trask produced patent medicines on the side, including magnetic ointments under the pseudonym of Dr. A. Trask. Trask likely utilized the pseudonym because his magnetic ointment was comprised of raisins, lard, and nicotine (Vintage Medicine Cabinet 2016). Several cases of nicotine poisoning were reported after using Trask's Magnetic Ointment. Several patent medicines included "magnetic" in the name as a pseudoscientific buzzword. There were no ingredients that contained magnetic properties but was instead intended to suggest animal magnetism or attractant powers (Nickell 2016). The earliest advertisements for Trasks Magnetic Ointment appear in 1885. While no known terminal production date exists, it was likely around 1907 when the Pure Food and Drug Act went into effect. Another version called "Trask's Ointment" was produced by D. Ransom Son & Co between 1912 and 1920 in a small glass bottle with a paper label (Antique Bottles 2013). Based on the bottle's characteristics and the history of its production, Cat 104 dates between the 1880s and 1907.

### 6.2.2 Ceramics

During Phase I testing 126 ceramic artifacts were recovered from Features 1 and 2. Several artifacts exhibited no diagnostic artifacts. These included 108 white improved earthenware (WIE) sherds, 4 porcelain sherds, 1 clay bead, and 1 brick fragment. Twelve WIE sherds (six from XPI [Cat Nos. 71, 72, 74, 75, and 77] and six from Phase II [Cat Nos. 95, 106, 139, and 144]) exhibited complete or identifiable portions of maker's marks that corresponded to a temporal range of roughly 90 years, between 1804 and the 1890s (see Table 7).

One hundred and six ceramic artifacts were recovered during the Phase II investigation. Several artifacts exhibited no diagnostic artifacts. These included 87 WIE sherds, 6 porcelain sherds, and 2 brick and tile fragments. Eight white porcelain toy tea set sherds were recovered from Feature 5 Context A (Cat No. 69) and Context B (Cat No. 89) but bore no unique temporally diagnostic features. Porcelain toy tea sets have been manufactured since the eighteenth century but did not become popular outside wealthy homes until the mid-1800s and are still available today (Roth 1961). Eleven kaolin clay pipe fragments (Cat Nos.40 and 65) and 2 porcelain doorknobs (Cat Nos. 92 and 93) exhibited characteristics that corresponded to a broad temporal range between the 1850s and the early 1930s (see Table 8). These final 13 artifacts, as well as the 12 from the Phase I testing, are described in detail below.

## Table 7. Ceramic Artifacts by Type and Feature

| Unit | Undecorated Whiteware Sherds | Decorated Whiteware Sherds | Porcelain | Porcelain Toy Tea Fragments | Kaolin Clay Pipe Fragments | Other | Row Total |
|---|---|---|---|---|---|---|---|
| **Feature 1** | 68 | 10 | 1 | — | — | — | 79 |
| **Feature 2** | | | | | | | |
| Phase I | 41 | 1 | 3 | — | — | 2 (clay bead and brick fragment) | 47 |
| Phase II | 6 | - | - | — | — | — | 6 |
| **Feature 3** | 38 | 2 | - | — | — | 1 (brick fragment) | 41 |
| **Feature 4** | 4 | — | 1 | - | 1 | — | 6 |
| **Feature 5** | | | | | | | |
| Context A | 3 | - | 1 | 4 | 5 | 1 (tile fragment) | 14 |
| Context B | 19 | 3 | 4 (2 sherds and 2 doorknobs) | 4 | 5 | — | 35 |
| Context C | 2 | — | 2 | — | — | — | 4 |
| **Total by Type** | **181** | **16** | **12** | **8** | **11** | **4** | **232** |

## Table 8. Temporally Diagnostic Ceramic Artifacts

| ID | Feature / Context | Description | Date | Reference |
|---|---|---|---|---|
| Cat No. 71 (Phase I Catalog) | Feature 1 | Single WIE base sherd with partial mark reading, “Porcelain, Adams”. | 1804–1840 | The Potteries 2022a |
| Cat No. 72 (Phase I Catalog) | Feature 1 | Single WIE base sherd with partial mark of the Prince of Wales Coat of Arms, and “[Ro]yal Patent, Ironstone, [Bur]gess & Goddard” below. | 1840s-1890s | The Potteries 2022b |
| Cat No. 74 (Phase I Catalog) | Feature 1 | Nearly complete WIE bowl consisting of a single, large sherd with a complete printed mark consisting of the Prince of Wales Coat of arms above “Royal Patent, Ironstone, Burgess & Goddard”. | 1840s-1890s | The Potteries 2022b |
| Cat No. 75 (Phase I Catalog) | Feature 1 | Two WIE base sherds that fit together with a printed mark that reads, “Imperial White Granite” and “Gelson Bros, Hanley” above and below a Royal Coat of Arms respectively. | 1867- 1876 | The Potteries 2022c |
| Cat No. 77 (Phase I Catalog) | Feature 1 | Single WIE base sherd with a printed mark of a Crown & Banner. Inside a blank triangle in the center of the design “Ironstone, China, Powell & Bishop” is printed. | 1867- 1878 | The Potteries 2022d |

## Table 8. Temporally Diagnostic Ceramic Artifacts

| ID | Feature / Context | Description | Date | Reference |
|---|---|---|---|---|
| Cat No. 95 (Phase I Catalog) | Feature 2 | 2 base sherds of WIE with intact mark of an eagle and shield with "French Porcelain, Adams" in a banner below. | 1804–1840 | The Potteries 2022a |
| Cat No. 106 (Phase I Catalog) | Feature 2 | Single WIE base sherd with a printed mark of a Royal Coat of Arms. In the banner of the image "Dieu et Mon Droit, Stone China, J.T Cose & Co, Stoke Upon Trent" is written. | 1860s | The Potteries 2022e |
| Cat No. 139 (Phase I Catalog) | Feature 2 | Two WIE base sherds with a printed mark consisting of a Royal Coat of Arms. In the banner, "[Di]eu et Mon Droit, W&T Adams, Ironstone China, Tunstall" is written. | 1862- 1866 | The Potteries 2022f |
| Cat No. 144 (Phase I Catalog) | Feature 2 | Single WIE base sherd with a partial printed mark reading "T Adams, Ironstone Chi[na], Tunstall" written in a banner. | 1862- 1866 | The Potteries 2022e |
| Cat No. 40 | Feature 4 | Kaolin clay pipe stem fragment. | 1860-1930 | PSAS 2023 |
| Cat No. 65 | Feature 5 / Context A | Kaolin clay pipe fragments (3 stem and 2 bowl). | 1860-1930 | PSAS 2023 |
| Cat No. 86 | Feature 5 / Context B | Five Kaolin clay pipe fragments. At least 2 fragments (1 stem and 1 bowl) appear burned). | 1860-1930 | PSAS 2023 |
| Cat No. 92 | Feature 5 / Context B | White porcelain doorknob, broken in half. | 1860-early 1900s | Hall 2022 |
| Cat No. 93 | Feature 5 / Context B | Brown porcelain doorknob, broken in half. | 1860-early 1900s | Hall 2022 |

Cat No. 71 (Phase I catalog) consists of a single plain whiteware base sherd with a partial printed maker's mark reading, "PORCELAIN"}/ADAMS". The sherd was recovered from TT 2 Feature 1. Additionally, Cat No. 95 (Phase I catalog), recovered from TT 2 Feature 2, is printed with an identical but complete printed maker's mark. Cat No. 95 consists of 2 plain whiteware sherds that refit together, displaying a mark that reads, "{In banner: IMPERIAL}/{Eagle with Coat of Arms}/{In banner: FRENCH PORCELAIN}/ADAMS". The eagle in this printed mark represents the Great Seal of the United States, used to authenticate certain federal documents, and dates between 1804 and 1840 (The Potteries 2022a).

Cat No. 72 (Phase I catalog) is a single plain whiteware base sherd with a partial printed maker's mark reading, "{partial Prince of Wales Coat of Arms. In banner: "ET MON DROIT"} /[RO]YAL.PATENT./[I]RONSTONE./[BUR]GESS & GODDARD", recovered from Feature 1 in TT 2. Cat No. 74 (Phase I catalog), also recovered from Feature 1 in TT 2, is a nearly complete plain whiteware bowl with an intact printed maker's mark identical to Cat No. 72 reading, "{Prince of Wales Royal Coat of Arms}/ROYAL PATENT/IRONSTONE/BURGESS & GODDARD". Burgess and Goodard were importers based out of Longton in the UK. The company traded under the name Burgess & Goddard in the US and Goodard & Burgess in the UK (The Potteries 2022b). The company operated between the 1840s and the 1890s.

Cat No. 75 (Phase I catalog) consists of two plain whiteware sherds that fit together with the printed maker's mark reading, "IMPERIAL WHITE GRANITE/{Royal Coat of Arms}/GELSON BROS HANLEY." The sherds were recovered from Feature 1 in TT 2. The partners of Gelson Bros included Elizabeth Sander, Thomas Gelson, William Gelson,

James Gelson, and George Gelson. The company originally produced white graniteware specifically for the American market but eventually switched production to high class goods for the home trade, such as gilded, printed or enameled service sets (The Potteries 2022c). The partnership dissolved in 1876. Cat No. 75 dates between 1867 and 1876, but likely was produced in the late 1860s before the company abandoned the American market.

Cat No. 77 (Phase I catalog) consists of a complete plain whiteware base sherd with a printed maker's mark that reads, "{Crown & Banner/ Inside triangle of design: IRONSTONE/CHINA/In banner: POWELL & BISHOP.}". The sherd was recovered from Feature 1 in TT 2. Powell & Bishop was originally founded in 1851 as Livesley, Powell & Co. Shortly thereafter in 1860, the partnership with Livesley was dissolved and the company rebranded as Powell & Bishop in 1867. Powell & Bishop produced China and earthenware in Stoke-on-Trent together until 1878, when a new partner joined the company and they rebranded again as Powell, Bishop & Stonier (The Potteries 2022d). Cat No. 77 likely dates between 1867 and 1878 as the printed maker's mark reads "Powell & Bishop" without another partner's name.

Cat No. 106 (Phase I catalog) is a single plain whiteware sherd recovered from Feature 2 in TT 2. The printed maker's mark on the sherd reads, "{Royal Coat of Arms}/{In banner: DIEU ET MON DROIT}/ STONE CHINA/J.T. CLOSE & CO/STOKE UPON TRENT". J.T. Close & Co. was owned and primarily solely operated by John Theophilus Close in Stoke-on-Trent between 1855 and 1869. Close operated out of the Bridge Bank Works, a factory previously managed by competing potters William Adams & Sons. Close struggled financially, filing for bankruptcy at least three times and even marked his earliest wares with a "late W. Adams & Sons" mark to gain popularity in the market (The Potteries 2022e). In the later years of production Close took on partners and added "& Co." to his business name. Since Cat No. 106 is printed with "& CO." it like dates to the 1860s when Close had added partners.

Cat No. 139 (Phase I catalog) consists of 2 plain whiteware sherds that fit together with a printed maker's mark that reads, "{Royal Coat of Arms}/ {In banner: EU ET MON DROIT/W&T ADAMS/IRONSTONE CHINA}/ TUNSTALL". The sherds were recovered from Feature 2 in TT 2 between 21 and 35 inches. Similarly, Cat No. 144 consists of a single plain whiteware sherd, also recovered from Feature 2 in TT 2 between 21 and 35 inches. Cat No. 144 has a partial printed maker's mark that reads, "{In banner: T. ADAMS/CHI[NA]}/TUNSTALL". William and Thomas Adams were brothers in a large family of potters from the UK. The brothers, along with three of their cousins, extensively produced various forms of ceramic products throughout the nineteenth century. The Adams family began earthenware production as early as 1650 (The Potteries 2022f). Ironstone and other earthenware bearing the printed maker's mark with both brothers' initials date between 1862 and 1866.

Cat Nos. 40, 65, and 86 are fragments from kaolin clay pipes recovered from Feature 4, Feature 5 Context A, and Feature 5 Context B respectively. Extensive typologies based upon decorative design, material, and size exist for the identification of early pipes (pre-1800s). However, in the mid-1800s, around 1860 specifically, clay pipes began being manufactured without stems, the decorative projections that are below the point in which the pipe bowl meets the stem. It was common for middle- and lower-class working smokers to break the long pipe stems into shorter lengths, a style referred to as a "nose warmer" (PSAS 2023). By 1914 the clay pipe industry dwindled, eventually replaced by the manufacturing of children's toy pipes in 1930 and plastic pipes in the 1950s (PSAS 2023). Based on their plain characteristics, Cat Nos. 40, 65, and 86 likely date between 1860 and 1930.

Cat Nos. 92 and 93 are porcelain doorknobs, both broken in half and recovered from Feature 5 Context B. Cat No. 92 is white and Cat No. 93 is brown. Both doorknobs appear to connect to a simple cast iron shank, first patented in 1841 (Hall 2022). This style of doorknob became popular in middle-class homes and service areas of wealthy homes in the 1860s. Due to their relative availability in the hardware and catalog companies of Sears, Roebuck & Co., and Montgomery Ward they remained a popular style into the early 1900s. Based on their characteristics, Cat Nos. 92 and 93 likely date between 1860 and the early 1900s.

### 6.2.3 Metal

During Phase I testing 56 metal artifacts were recovered from Features 1 and 2 (see Table 9). Several of the metal artifacts exhibited no diagnostic characteristics. These included 20 nails, 29 pieces of slag-covered hardware (including nails, bolts, washers, and wire), 2 fragments of a thin, decoratively etched brass dish, 1 similarly engraved 4-inch brass picture frame, and 1 etched bowl-end of a spoon. Three artifacts were identifiable, but a specific date range of manufacture could not be constructed (Cat Nos. 131 and 132 [Phase I catalog; see Table 10]). These artifacts are briefly described in detail below.

A total of 269 metal artifacts were recovered during the Phase II investigation. These included 98 nails, 163 pieces of slag-covered hardware (including bolts, washers, and wire), 2 bullet casings, 1 spoon, 1 napkin ring, 1 purse clasp, 1 piece of decorative trim, and a piece of a watch or jewelry chain in 2 pieces. None of the metal artifacts from the Phase II investigation were temporally diagnostic.

**Table 9. Metal Artifacts by Type and Feature**

| Unit | Nails | Misc. Hardware | Ammunition | Tools | Tableware | Personal/ Decorative Items | Row Total |
|---|---|---|---|---|---|---|---|
| **Feature 1** | 4 | 3 | — | — | — | — | **7** |
| **Feature 2** | | | | | | | |
| Phase I | 16 | 26 | — | 3 | 1 (spoon) | 3 (picture frame and trinket dish) | **49** |
| Phase II | 1 | 1 | — | — | — | — | **2** |
| **Feature 3** | 27 | 50 | 2 (rifle and .22 caliber shells) | — | — | — | **79** |
| **Feature 4** | — | 5 | — | — | — | 2 (purse clasp and decorative trim) | **7** |
| **Feature 5** | | | | | | | |
| Context A | 70 | 28 | — | — | — | 2 (jewelry or watch chain in 2 pieces) | **100** |
| Context B | — | 79 | — | — | 2 (1 spoon and 1 napkin ring) | — | **81** |
| Context C | — | — | — | — | — | — | — |
| **Total by Type** | **118** | **192** | **2** | **3** | **3** | **7** | **325** |

**Table 10. Temporally Diagnostic Metal Artifacts**

| ID | Feature / Depth (in) | Function | Description | Date | Reference |
|---|---|---|---|---|---|
| Cat No. 131 | Feature 2 | Tool | Barrel key with decoratively shaped bow in two pieces. | Early to mid-1800s | LockRite 2022 |
| Cat No. 132 | Feature 2 | Tool | Nearly complete pocketknife with etched wood grain design. Blade appears to have broken off but may contain other attachments embedded in slag. | 1850s to early 1900s | Peterson 1958 |

Cat No. 131 (Phase I catalog) is a barrel key in two pieces recovered from Feature 2 in TT 2 between 21 and 35 inches deep. Cat No. 131 appears to be a barrel key, which is very similar to a skeleton key but lighter due to its hollow shaft. Barrel keys also lack the pre-cut pattern skeleton keys have on the tip and biting. Medium-sized keys like Cat No. 131 were between 2 and 4 inches and were usually manufactured for doors. The modern "flat key" was first created and mass-produced ca. 1848 by Linus Yale Sr. and Jr. (LockRite 2022). Based on its style and size, Cat No.131 most likely dates in the early to mid-1800s.

Cat No. 132 (Phase I catalog) is a slag-covered pocketknife recovered from Feature 2 in TT 2. The knife is engraved with a faux-bone design on at least one side. The blade of the knife is extended and broken near the base. Folding knives have existed since the Roman era, with many different styles and sizes. During the American Revolution soldiers carried a large, folding single-blade knife called a 'Jack knife" (Peterson 1958). Later during the nineteenth century during the Industrial Revolution many different specialized blades became available. Folding knives began to include accessory tools such as corkscrews, saws, awls, screwdrivers, scissors, files, and can openers during this period. While it's difficult to discern much detail on Cat No. 132 due to the effects of rust, it appears the knife may contain accessory attachments and likely dates between the 1850s and early 1900s.

### 6.2.4 Other Historical Artifacts

Four shell buttons were recovered from Feature 2 during Phase I testing. Cat Nos. 110 and 123 (Phase I catalog) are very degraded shell (likely mother-of-pearl or abalone) buttons in 2 pieces. Both have 4 holes in a depressed center with no hard edge. Cat No. 124 (Phase I catalog) is an abalone 1-5/8-inch button with 2 holes in a raised center. Similarly, Cat No. 154 (Phase I catalog) is also an abalone 1-5/8-inch button but has flat sides and 4 holes concentrated in the center. During the nineteenth century, shell buttons with two holes were the most common, but styles with four holes are found frequently in historical contexts. Shell buttons were frequently made from bivalves, including mussel, oyster, clam, and abalone. Buttons in the early to mid-1800s would have been handmade until ca. 1850 when machine-cut versions began dominating the market during the Industrial Revolution (Nichols 2019).

During the Phase II investigation, fragments of saw-cut slate were recovered. One fragment (Cat No. 30) was recovered along with a large fragment of pencil lead (Cat No. 22) from Feature 3. Additional saw-cut slate was recovered from Feature 5 Context B (Cat No. 60) and Context C (Cat No. 84).

## 6.2.5 Ecofacts

During the Phase I testing, Feature 2 yielded 12 burned stone fruit pits and coffee beans (Cat Nos. 89 and 153; Phase I catalog) both recovered from within Feature 2 at 21–35 inches and 16.5–20 inches respectively. A gallon-Ziplock bag soil sample was taken from the surrounding soil (Cat No. 88; Phase I catalog). Additionally, 1.8 grams of avian eggshell fragments (Cat No. 147; Phase I catalog) were recovered from Feature 2. The shell fragments are white and likely the remnants of a hard-boiled chicken or duck egg. The amount of shell and texture indicate a medium-sized egg that is not from wild fowl such as quail or turkey.

Few fragments of charcoal were recovered during the Phase II investigation. Both samples were recovered from Feature 5. Cat No. 77 (0.1 grams) was recovered from Context A and Cat No. 199 (9.2 grams) from Context B. Burned seeds were also recovered from Feature 5. Cat No. 76 (10 grams) was recovered from Context A and Cat No. 198 (1.5 grams) from Context B.

### 6.2.5.1 Invertebrate Remains

Several fragments of invertebrate remains from locally available species were recovered from during XPI testing (see Table 11). A total of 527.6 grams of mussel (Mytilus sp.) was recovered between Features 1 and 2 with 98.9% specifically from Feature 2. Additional species recovered from Feature 2 included Black Turban Snail (*Tegula* sp.), abalone (*Haliotis* sp.), and various clams (*Leukoma* sp., *Tivela* sp., and *Venerupis* sp.). Although the collected invertebrate assemblage appears degraded from soil leeching and exposure to the elements, no anthropogenic modifications, such as burning, were observed.

The Phase II investigation recovered far fewer invertebrate remains. A total of427 grams was recovered between all features. Although Feature 5 Context A yielded the highest recovery by volume, far fewer shells comprised the assemblage. The clam shell recovered in Context A consisted of 3 large and nearly intact Butter clam shells, likely collected beachcombing rather than for consumption. The clam recovered from Context C was a single large Butter clam shell. None of the invertebrate remains exhibited indications of anthropogenic modifications similar to the invertebrate assemblage recovered during XPI testing.

**Table 11. Recovered Invertebrates by Feature**

| Unit | Abalone (g) | Clam (g) | Mussel (g) | Turban Snail (g) | Crab (g) | Row Total |
|---|---|---|---|---|---|---|
| **Feature 1** | 24.1 | — | 5.8 | — | — | **29.9** |
| **Feature 2** | | | | | | |
| Phase I | — | 81.6 | 521.8 | 4.4 | — | **607.8** |
| Phase II | — | 1.5 | 1.6 | — | — | **3.1** |
| **Feature 3** | — | — | 24.3 | — | — | **24.3** |
| **Feature 4** | — | — | — | — | — | — |
| **Feature 5** | | | | | | |
| Context A | — | 325.3 | — | — | 2.4 | **327.7** |
| Context B | 5.8 | — | 0.8 | — | — | **6.6** |
| Context C | — | 65.3 | — | — | — | **65.3** |
| **Total by Type** | **29.9** | **473.7** | **554.3** | **4.4** | **2.4** | **1,061.7** |

### 6.2.5.2 Vertebrate Remains

The vertebrate assemblage recovered during throughout the Project consisted of diverse species both domestic and wild. All specimens reflect species that would have been locally available historically. The number of identified specimens (NISP) recovered totaled 676 between all five features (see Table 12). During XPI testing, a total of 1,166.4 grams (NISP=219) was recovered from Features 1 and 2. During the Phase II investigation a total of 1,825.6 grams (NISP=457) was recovered. The highest percentage of the total faunal material recovered was from Feature 2. By volume, Feature 2 represents 30.9% of the overall faunal assemblage (926.1 grams) and 26.6% by NISP (180 specimens).

Less than a quarter of the assemblage from the XPI testing (10%; 120.8 grams; NISP=70) was anthropogenically modified, including evidence of cut marks, burning, and saw cut portioning. Several of the specimens recovered (280.9 grams; NISP=145) were too fragmented or too burned to identify beyond class. Of this portion 219.3 grams (NISP=97) were attributed to terrestrial mammals and 61.6 grams (NISP=48) to avian. The faunal assemblage from Phase II was significantly more modified. Out of the 1,203.1 grams recovered (NISP=457) a total of 874.4 grams were anthropogenically modified (NISP=293) representing 64.1% of the Phase II assemblage by NISP and 65.9% by weight. Again, several of the specimens recovered (896.7 grams; NISP=392) were too fragmented or too burned to identify beyond Class. Of this portion 786.9 grams (NISP=280) were attributed to terrestrial mammals and 109.8 grams (NISP=112) to avian.

In the Phase I assemblage, 79 terrestrial mammal specimens identifiable to a species level. Mammals observed in the assemblage included ground squirrel (*Otospermophilus beecheyi;* NISP=1), domestic sheep (*Ovis aries*; NISP=28), and cow (*Bos taurus*; NISP=29). Terrestrial mammals were the most modified and exhibited the widest variety of modifications in proportion to the percentage modified. Cut marks, burning, and saw cut portioning were common within this classification. All of the specimens identified as domestic sheep exhibited unfused epiphyses indicating the individual was a juvenile. Age determination was not possible on most specimens as this portion of the assemblage was highly modified and fragmented.

Several avian specimens were recovered reflecting consumption of wild game. Intact specimens and the portions of shaft fragments from long bone indicate wild turkey (*Meleagris gallopavo*; NISP=2) and smaller game, such as quail (*Callipepla californica*) or Clapper rail-sized fowl (NISP=38) were consumed. No domesticated avian specimens were recovered during excavation.

Pelagic fish were also represented in the faunal assemblage recovered specifically from Feature 2 during Phase I testing. Cranial elements (NISP=19) recovered indicate at least two species of fish were consumed, including Pacific Rockfish (Subcats Nos. 41-43, 50, and 60-65 [Phase I catalog]; NISP=17) and an individual from the Salmonidae family (Subcats Nos. 44 and 45 [Phase I catalog]; NISP=2). Salmonidae consists of extant species of ray-finned Salmonid fish such as Atlantic and Pacific salmon, trout, char, freshwater whitefish, grayling, taimen, and lenoks. Nine of the specimens exhibited evidence of burning (Subcats Nos. 60–65; Phase I catalog). No other anthropogenic modifications were noted.

The faunal assemblage from the Phase II investigation was relatively similar, with 37 terrestrial mammal specimens identifiable to a species level. Mammals observed in the assemblage included pig (*Sus scrofa*; NISP=3) domestic sheep (*Ovis aries*; NISP=6), and cow (*Bos taurus*; NISP=28). Terrestrial mammals were the most modified and exhibited the widest variety of modifications in proportion to the percentage modified. Cut marks, burning, and saw

cut portioning were common within this classification. All of the specimens identified as domestic sheep exhibited unfused epiphyses indicating the individual was a juvenile. Age determination was not possible on most specimens as this portion of the assemblage was highly modified and fragmented.

Several avian specimens were recovered reflecting consumption of wild game. Intact specimens and the portions of shaft fragments from long bone indicate wild, small game, such as quail (*Callipepla californica*) or Clapper rail-sized fowl (NISP=112) were consumed. No domesticated avian specimens were recovered during excavation.

Pelagic fish were also represented in the faunal assemblage recovered. All of the fish specimens analyzed were identified as belonging to the Scorpaenidae family (likely rockfish; NISP=28). All of the fish specimens were recovered from Feature 5. Context A yielded 25 specimens and Context B yielded 3. Only one of the specimens exhibited evidence of burning (Cat No. 189; Phase II catalog). No other anthropogenic modifications were noted.

### Table 12. Recovered Vertebrate Remains by Feature

| | Mammal | | | | | | | | Avian | | | | Fish | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Undiff. | | *B. taurus* | | *S. scrofus* | | *O. aries* | | Undiff. | | *M. gallopavo* | | Undiff. | | *Sebastes* sp. | | Salmonidae | | Row Total | |
| Unit | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g | NISP | g |
| Feature 1 | 14 | 84.1 | 2 | 40.3 | – | – | 11 | 162.1 | 18 | 17.5 | – | – | – | – | – | – | – | – | 45 | 304 |
| Feature 2 | | | | | | | | | | | | | | | | | | | | |
| Phase I | 83 | 135.2 | 23 | 578.9 | – | – | 17 | 78.7 | 30 | 44.1 | 2 | 17.1 | – | – | 17 | 5.9 | 2 | 2.5 | 174 | 862.4 |
| Phase II | – | – | 4 | 61.9 | – | – | – | – | 2 | 1.8 | – | – | – | – | – | – | – | – | 6 | 63.7 |
| Feature 3 | 93 | 336.6 | 19 | 487.6 | 3 | 11.3 | 6 | 154.7 | 2 | 4.1 | – | – | – | – | – | – | – | – | 123 | 994.3 |
| Feature 4 | 5 | 6.7 | 5 | 178.1 | – | – | – | – | 3 | 4.1 | – | – | – | – | – | – | – | – | 13 | 188.9 |
| Feature 5 | | | | | | | | | | | | | | | | | | | | |
| Context A | 69 | 138.3 | 1 | 21.4 | – | – | – | – | 79 | 75.7 | – | – | – | – | 24 | 13.3 | – | – | 173 | 248.7 |
| Context B | 113 | 305.3 | – | – | – | – | – | – | 26 | 24.1 | – | – | – | – | 3 | 0.6 | – | – | 142 | 330 |
| Context C | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Total by Type | 377 | 1,006.2 | 54 | 1,368.2 | 3 | 11.3 | 34 | 395.5 | 160 | 171.4 | 2 | 17.1 | – | – | 44 | 19.8 | 2 | 2.5 | 676 | 2,992 |

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### 6.2.6 Discussion

The artifact assemblage for the overall project correlates to a date range roughly between the mid-1800s and the early 1930s. These dates are primarily associated with the dense glass and ceramic components recovered from Features 1, 2, and 5. Few specimens of these categories correlated to earlier dates but may be reflexive of items individuals and families have passed down or had in a collection before discarding. The recovered assemblage suggests the area around Trench 1 and 2 included middle to upper class hotels and/or restaurants at that time. The assemblage is impersonal in nature; only the ink bottle (Cat No.19; Phase I catalog), pocketknife (Cat No. 132; Phase I catalog), photo frame (Cat No. 134; Phase I catalog), and buttons (Cat Nos. 110, 123, 124, 125, and 154; Phase I catalog) appear to be relatively personal items. In a residential site, it is common to recover a much wider variety of personal items at greater frequency relative to the overall assemblage. These items would typically include such artifacts as personal grooming items (cold cream jars, perfume/cologne bottles, mirrors or combs, etc.) hobby and personal interest items (tobacco pipes, children's toys, etc.), or bottles from medicinal treatments.

The artifact assemblage also reflects a middle to higher socioeconomic status near TT 2. The presence of several types of dishes of similar design and style are typical of a dining set with pieces for different forms of consumption and events. The ceramic portion of the artifact assemblage consists of porcelain, plates with printed designs, bowl fragments, decorative knobs and handles, and dish fragments with decorative molded designs. The glass tumbler fragments recovered (Cat Nos. 83, 98, and 122; Phase I catalog) appeared to belong to two distinctive matching sets with decorative embossed paneling and design. The single spoon recovered (Cat No. 145; Phase I catalog) was decoratively engraved and had a bone handle. A typical lower socioeconomic household or establishment would have fewer styles of dishes and without flair or decoration due to the relatively higher cost.

Conversely, the artifact assemblage from TTs 5 and 6 suggest the immediate surrounding area included middle class residences at that time. The assemblage includes several personal items relating to grooming (Cat Nos. 59 and 103; Phase II catalog), medicinal treatments (Cat Nos.11 and 104), and clothing items such as jewelry, purses, and shoe polish (Cat Nos.38, 39, 49, and 64; Phase II catalog). The glass and ceramic assemblage consists of items reflecting the presence of children toys including a marble (Cat No.105; Phase II catalog) and toy tea set fragments (Cat Nos. 69 and 89; Phase II catalog). Domestic hardware typical of middle-class homes (Cat Nos. 92 and 93; Phase II catalog) was also recovered. Much like the artifact assemblage from the Phase I testing, the Phase II assemblage includes a wide variety of artifacts reflecting food consumption activities in a middle to higher socioeconomic neighborhood. The presence of several types of dishes of similar design and style are typical of a dining set with pieces for different forms of consumption and events. The ceramic portion of the artifact assemblage consists of porcelain, plates with printed designs, bowl fragments, decorative knobs and handles, and dish fragments with decorative molded designs. The champagne flute and wine glass fragments recovered (Cat Nos. 6, 46, 55, and 99; Phase II catalog) appeared to belong to distinctive matching sets with decorative embossed paneling and design. The spoon and fancy napkin ring (Cat Nos.79 and 80; Phase II catalog) also reflect dining with flair and a higher cost.

#### Feature 1

Feature 1 was found in the central portion of TT 2 just under the gravel fill supporting the asphalt parking surface, at approximately 15 inches below the surface. Feature 1 is intrusive into native soil and appears *in situ*, it seems likely it was dug intentionally as part of one or several dumping events. Although a total of 149 artifacts and 29.9 grams of marine shell were recovered from Feature 1, only six ceramic artifacts were temporally diagnostic

(Cat Nos. 71, 72, 74, 75, and 77). These artifacts date the Feature between 1804 and the 1890s. This broad temporal range is similar to Feature 2 as well as the material recovered from the other trenches. TT 1 contained a single diagnostic artifact, Cat No. 19, an ink bottle dating between the 1890s and 1910. Isolates recovered from above the Features in TT 2 date between the 1840s and 1878 (Cat Nos. 46–48, 87).

### Feature 2

Like Feature 1, Feature 2 was found immediately below the gravel fill supporting the asphalt parking surface. However, Feature 2 was larger and more compact. The top of Feature 2 was uncovered at 15 inches below the surface in the southeast corner of TT 2. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents appeared *in situ* and the feature seems likely to have been dug intentionally as part of one or several dumping events. Like Feature 1, only a small portion (19 of 187 artifacts) were temporally diagnostic (Cat Nos. 95, 99, 106, 131, 132, 139, and 144; Phase I catalog). These artifacts date the Feature between 1835 and 1910, similar to Feature 1, and the isolates from TT 2, and TT 1.

Consumption activities, or at the least the discarding of the evidence of consumption activities, is concentrated around Feature 2. The highest percentage of ecofacts, including burned coffee beans and stone fruit pits, were recovered between 16 and 36 inches below the surface within Feature 2. Individuals appear to have consumed domestically raised lamb, beef, and other terrestrial mammals that were primarily butchered utilizing a bone saw. The domestic sheep bone fragment is consistent with a hind shank meat cut, which would have been typical for the mid-to-late 1800s. Historic-era meat cuts were typically standardized, which resulted in relatively uniform cuts between meats. Over time these cuts became more specialized to each species with less of the “undesirable” portions, such as large portions of long bone, being sold to the public by the early to mid-1900s (Milne and Crabtree 2000). Locally available fish including Pacific Rockfish and salmon or trout as well as shoreline-accessible shellfish (mussel, abalone, clam) were represented in the assemblage. Wild avian resources were also exploited as elements from small undomesticated fowl were observed.

### Feature 3

Feature 3 was a relative shallow (13 inches) deposit found in the south portion of TT 5 just below the gravel fill under the parking surface. The bisection of the feature showed evidence of a pit shape in profile with a rounded bottom and a combination of angled and vertical sides. The shape of the pit suggests an attempt to bury something in a relatively small space, such as a hole created by a hand shovel. A single artifact, a sherd of amethyst glass, was temporally diagnostic (Cat No. 11; Phase II catalog). This artifact dates the Feature between the mid-1870s and the early 1930s.

### Feature 4

Feature 4 was by far the most disturbed of the five features. The deposit was clearly affected by the installation of the 2-inch metal pipe noted near all the features. If Feature 4 had a distinctive shape that might have suggested specific activities, the shapes has been obscured by post depositional impacts. The recovery from this feature was dominated by nondiagnostic metal items. Few artifacts from Feature 4 were temporally diagnostic (3 out of 26 artifacts). Cat Nos. 40, 49, and 51 date the Feature between 1852 and the late-1930s.

### Feature 5

Only 19 of 377 artifacts recovered from Feature 5 were temporally diagnostic (Cat Nos. 56, 58, 59, 65, 72, 86, 92, 93, 96, 103, and 104; Phase II catalog). These artifacts date the overall feature between 1860 and the late-1930s. There is almost no difference in date ranges between the three contexts found in this location. Specifically, Context A includes Cat Nos. 65, 72 that date between 1860 and the late 1930s. Context B includes similar results (Cat. Nos. 86, 92, 93, 96, 103, and 104), which all date between 1860 and the late 1930s. Context C includes Cat Nos. 56, 58, 59, which date between 1857 and the late 1920s.

Like Feature 2, consumption activities, or at the least the discarding of the evidence of consumption activities, is concentrated around Feature 5. The highest percentage of ecofacts, including burned coffee beans and stone fruit pits, were recovered within Context B. Individuals appear to have consumed domestically raised lamb, pork, beef, and other terrestrial mammals that were primarily butchered utilizing a bone saw. Locally available fish including Pacific Rockfish and salmon or trout as well as shoreline-accessible shellfish (mussel, abalone, and clam) were represented in the assemblage. Wild avian resources were also exploited as elements from small undomesticated fowl were observed.

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# 7 Resource Evaluation

Site DUD-LIB-1 consists of a sheet refuse deposit and five features. Sheet refuse deposits lack integrity and are therefore *de facto* noncontributing elements to a potentially significant historic resource. However, the five features identified could have potential to elevate the site to the level of a historic resources if they have integrity and the criteria to address specific research questions to establish the resource as a historic resource. All five features identified at Locus 1 at DUD-LIB-1 are evaluated in this section as potential contributors for historical significance and integrity in consideration of CRHR, and local designation criteria. Since the dating of the resources described above clearly shows an association with the late nineteenth century, the evaluations below are presented in the context of the parcel configuration and ownership history as existed at that time (see Section 4.2.3.5, History of the Project Area). Specifically, Features 1, 2, 3, and 4 share an association with the property at the southeast corner of the intersection of Lincoln and Cedar Streets (previously addressed as 40 Lincoln Street and 25 Lincoln Street). Feature 5 is associated with the adjacent property to the east (previously addressed as 41 Lincoln Street and 23 Lincoln Street).

A physical description of the resources is provided in Section 7.1. The significance evaluations in Section 7.2, CRHR Statement of Significance, and Section 7.3, City of Santa Cruz Statement of Significance, were prepared by Dudek archaeologist John Schlagheck, MA, RPA, who meets the Secretary of the Interior's Professional Qualification Standards for historical archaeology. Mr. Schlagheck was assisted by Dudek historian Fallin Steffen MPS. Ms. Steffen provided the historical research presented in Section 4.2.3.5 used in this section. The complete DPR 523 form sets for both the Project site and the five features of Locus 1 is provided in Appendix D.

## 7.1 Description of Resources (Locus 1)

Features 1, 2, 3, 4, and 5 are historical period refuse deposits associated with multiple small scale dumping events. Together the Features are designated as Locus 1 of site DUD-LIB-1. The features contain historical period domestic artifacts associated with the mid- to late nineteenth and early to mid-twentieth century land uses that existed along Lincoln and Cedar Streets at that time. The location and characteristics of Locus 1 suggest the five features are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid twentieth century.

## 7.2 CRHR Statement of Significance

***CRHR Criterion 1: Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.***

As described in Section 4.2.3.5, an 1873 article in the Santa Cruz Weekly Sentinel indicates that Andrew Trust was operating a Boarding house on his property addressed as 40 Lincoln Street. At this time, the property contained a one-story, L-shaped wood-frame residential building with a long porch located on the east elevation. Two smaller one-story out-buildings are present along the southern property line where the features 1, 2, 3, and 4 were identified. In 1873, Trust established a bakery, later known as the Pioneer Bakery, and began producing and selling baked goods from his property on Lincoln Street. In 1875, Trust moved a 2-story residence from another property he owned on the corner of Pacific Avenue and Bridge Street (now Soquel Avenue) to the adjacent lot at Lincoln Street (41 Lincoln Street), where feature 5 was identified, to provide space for boarders during the busy summer season. No construction date has been found for either structure.

By 1956, historic aerial photography indicates that the buildings on the property had been demolished and a paved parking lot now occupies the site.

The five features are therefore associated with residential development in this portion of Santa Cruz that began in the 1860s. However, with an ambiguous period of significance and limited purpose of the two associated structures as single-family homes and/or boarding houses, the features are only generally associated with residential development in Santa Cruz. The features cannot address questions that would suggest a significant contribution to the broad patterns of history in the City of Santa Cruz, Santa Cruz County, or the state. As such DUD-LIB-1 is not eligible for listing to the CRHR under Criterion 1.

*CRHR Criterion 2: Is associated with the lives of persons important in our past.*

To be found eligible under CRHR Criterion 2, the property must be directly tied to the important person and the place where the individual conducted or produced the work for which he or she is known. The five features identified at DUD-LIB-1 are associated with two properties and structures (40 and 41 Lincoln Street) developed and owned by Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. While Mr. Trust was a property owner, land developer, and business owner, he does not appear to have been a significant or important person in our past. The land is also associated with numerous residential tenants between 1900 and 1939, who are documented in Section 4.2.3.5. Like Trust, the residents do not appear to have been significant or important persons in our past. As such the DUD-LIB-1 is not recommended as eligible for listing for the CRHR under Criterion 2.

*CRHR Criterion 3: Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.*

Site DUD-LIB-1 contained five features within Locus 1. The features are refuse deposits that are examples of how residents and business owners disposed of unwanted items and garbage in the late nineteenth and early twentieth century. Digging holes in the rear of a parcel to bury refuse was a very common behavior at the time. Given the small scale of the deposits, there is no record of the dumping events that created the features or which individuals were responsible for the dumping. As such Features 1, 2, 3, 4, and 5 are not associated with a master in the field of engineering. Consequently, site DUD-LIB-1 lacks significance CRHR Criterion 3.

*CRHR Criterion 4: has yielded, or may be likely to yield, information important in prehistory or history.*

Site DUD-LIB-1 presents evidence of refuse disposal in two forms. One is as an SRD and the second as concentrated features. Since SRDs lack integrity to address questions about the past, the SRD component of the site does not yield important information about the past. Likewise, when considering the five features, they are examples of typical small scale dumping events. There is no evidence to indicate that the five refuse deposits are likely to yield additional information important to history beyond what is already known, such as what people ate and the types of activities undertaken in residential or boarding house contexts. Therefore, DUD-LIB-1 is not recommended as eligible for the CRHR under Criterion 4.

## 7.3 City of Santa Cruz Statement of Significance

1. **Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation.**

   All five resources of Locus 1 are refuse deposits that are examples of how residents and business owners disposed of unwanted items and garbage in the late nineteenth and early twentieth century. Digging holes in the rear of a parcel to bury refuse was a very common behavior at the time. Given the small scale of the deposits, there is no record of the dumping events that created the resources or which individuals were responsible for the dumping. As such Features 1, 2, 3, 4, and 5 are not significant examples. Therefore, the resources do not appear eligible under City Criterion 1.

2. **Associated with a significant local, state, or national event.**

   As stated above for CRHR Criterion 1, the five features are associated with residential development in this portion of Santa Cruz that began in the early to mid-1800s. However, with an ambiguous period of significance and limited purpose of the two associated structures as single-family homes and/or boarding houses, the resources are only generally associated with residential development in Santa Cruz. The resources do not appear associated with a significant local, state, or national event. Therefore, the resources do not appear eligible under City Criterion 2.

3. **Associated with a person or persons who significantly contributed to the development of the city, state, or nation.**

   As stated above for CRHR Criterion 2, the five resources are associated with two properties and structures (40 and 41 Lincoln Street) developed and owned by Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. While Mr. Trust was a property owner, land developer, and business owner, he does not appear to have been a significant or important person in our past. The land is also associated with numerous residential tenants between 1900 and 1939 that are documented in Section 4.2.3.5. Like Trust, the residents do not appear to have been a significant or important persons in our past. Therefore, the resources are not known to have any historical associations with people important to the development of the city, state, or nation, and they do not appear eligible under City Criterion 3.

4. **Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation.**

   Features 1, 2, 3, 4, and 5 are not built environment resources and not associated with any architect, designer, or builder. Therefore, for the resources do not appear eligible under City Criterion 4.

5. **Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance.**

   Features 1, 2, 3, 4, and 5 are not built environment resources and do not possess any special aesthetic merit or value. Therefore, for the resources do not appear eligible under City Criterion 5.

6. **Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials.**

   Features 1, 2, 3, 4, and 5 are not built environment resources and do not possess distinctive stylistic characteristics or workmanship. Therefore, for the resources do not appear eligible under City Criterion 6.

7. **Retains sufficient integrity to accurately convey its significance.**

   While the five features do appear to be generally in their original depositional locations, post depositional disturbances are present including installation of a metal utility pipe through the features and grading for the current parking surface, that have impacted the resources and reduces their integrity. Therefore, the resources do not appear eligible under City Criterion 7.

## 7.4 Integrity Discussion

The integrity of a resource is based upon the historical significance and character defining features. An examination of integrity is typically undertaken only after eligibility is fully established. In this case, none of the resources are eligible under any CRHR or local criteria, therefore, the integrity of the resources does not require examination.

# 8 Summary and Recommendations

The XPI and Phase II testing identified a potentially significant historical period archaeological resource, DUD-LIB-1 within the Project Area. Specifically, the testing identified five historical period features in a tight grouping (Locus 1) in the west central portion of the Project Area. The Locus 1 portion of the sites contains historical period domestic artifacts associated with the mid-to-late nineteenth and early-to-mid twentieth century land uses that existed along Lincoln and Cedar Streets at that time. The location and characteristics of Locus 1 suggest the five features are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid twentieth century.

The five features of Locus 1 were analyzed in detail and formally evaluated as historic resources for CRHR and local (City) eligibility. The evaluation concluded that the five features of Locus 1 *do not* rise to a level where they could contribute to the potential eligibility of DUD-LIB-1 under any CRHR, or local criteria and integrity requirements (Section 3, Regulatory Context). Specifically, the features within the site cannot be associated with a significant contribution to the broad patterns of California's history and cultural heritage or with the lives of persons important in our past. As relative casual dumping events, there are no distinctive characteristics present, and the features clearly do not represent the work of an important creative individual, nor do they possess high artistic values. As numerous other examples of such deposits exist with greater integrity and historic associations, the features do not yield information important to history. Therefore, these resources *are not* considered historic resources under state, or local regulations.

The testing also showed that much of the Project Area contains an intermittent, shallow, and thin SRD of scattered historical period domestic artifacts also associated with the mid-to-late nineteenth century and early-to-mid twentieth century. Analysis indicates the SRD is a secondary deposit of low integrity and therefore not potentially significant. The five features of Locus 1 and the Project Area sheet deposit have been recorded as historical period archaeological site DUD-LIB-1 on Department of Parks and Recreation series 523 forms per CEQA guidelines.

Dudek has tested the Project Area not covered by existing buildings and evaluated the features located at Locus 1. No historical resources are present in the area where testing occurred. Given that the area under the existing Toadal Fitness building could not be tested, moderate potential exists for encountering additional artifacts and features during the planned construction, as discussed in the initial Phase I report by Albion. While Dudek does not expect to find additional deposits that would meet the definition of a historical resource, an area of sensitivity near the rear of the Toadal Fitness building is delineated (Figure 15, Project Area of Archaeological Sensitivity) and we recommend that a qualified archaeologist be present during the rough grading phase of the Project.

Areas outside the area to be monitored are subject to regulations that account for the possibility of encountering intact archaeological deposits. Specifically, Section 24.12.430 of the City's Municipal Code sets forth the procedure to follow if previously unknown prehistoric or cultural features are discovered during construction. Under provisions of this Code section, work shall be halted within 100 feet of the find and the Planning Director shall be immediately notified to determine the appropriate course of action, including implementation of potential mitigation measures should a significant resource be identified. Additionally, the County Coroner shall be notified in accordance with provisions of Public Resources Code 5097.98-99 in the event human remains are found and the Native American Heritage Commission shall be notified in accordance with the provisions of Public Resources Code Section 5097 if the remains are determined to be Native American.

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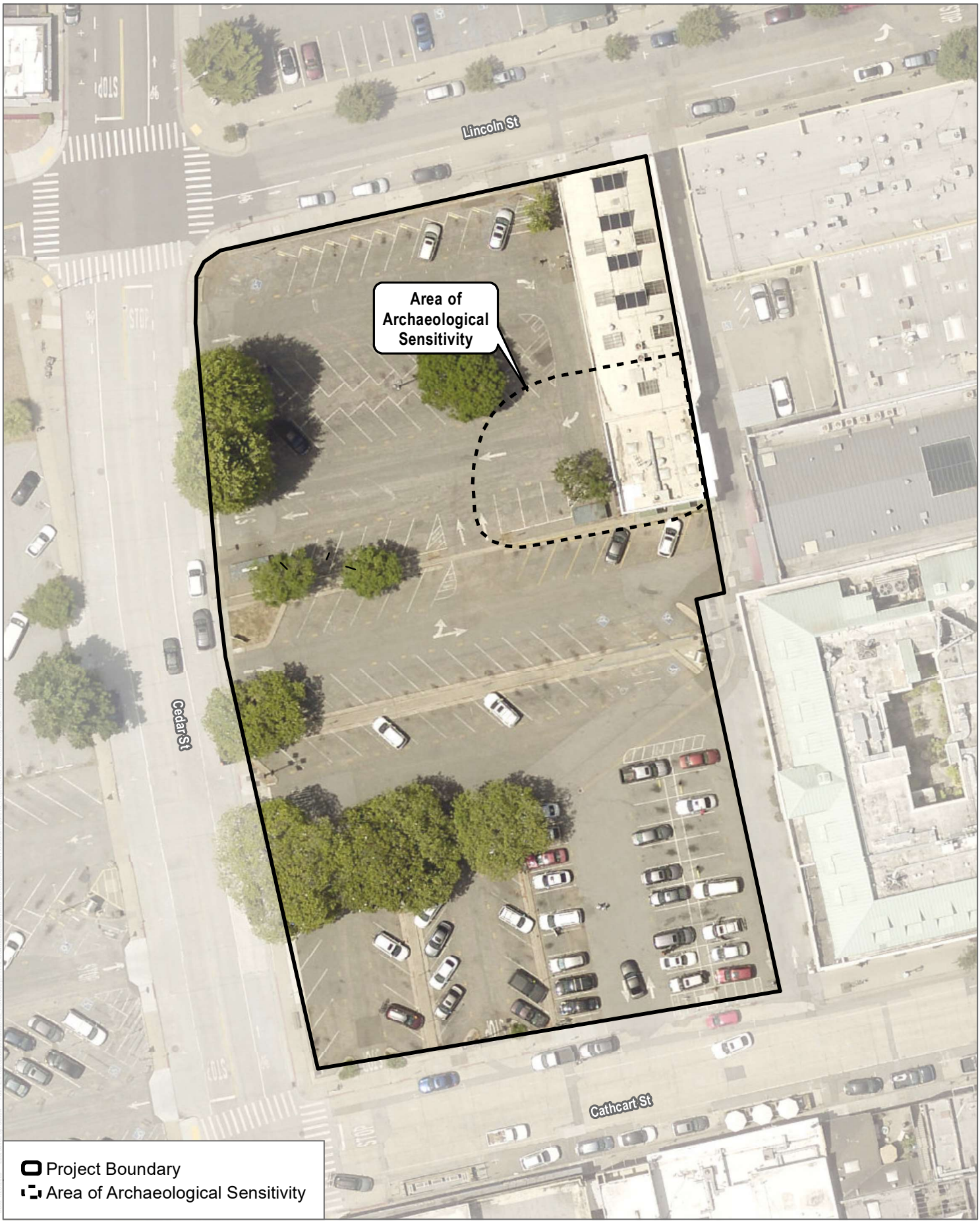


SOURCE: Digital Globe Imagery (accessed 2022), Open Street Map 2019

DUDEK

0 25 50 Feet

**FIGURE 15**

Project Area of Archaeological Sensitivity

Downtown Library Mixed-Use Project

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# Appendix A

## National Archaeological Database Information

# NATIONAL ARCHAEOLOGICAL DATABASE (NADB) INFORMATION

| | |
|---|---|
| **Authors**: | John Schlagheck, M.A., RPA, Ryan Brady, M.A., RPA, Angela Moniz, M.A., RPA, Julie Royer, M.A., and Fallin Steffen, MPA |
| **Firm:** | Dudek |
| **Project Proponent:** | City of Santa Cruz, California |
| **Report Date:** | January 2023 |
| **Report Title:** | Phase II Archaeological Testing and Evaluation for the Downtown Library Mixed-Use Project, Santa Cruz, California |
| **Type of Study:** | Archaeological Testing |
| **Resources:** | None |
| **USGS Quads:** | 7.5-minute *Santa Cruz* Quad |
| **Acreage:** | ~1.5 acres |
| **Permit Numbers:** | Permit Pending |
| **Keywords:** | Central Coast, Archaeological Testing, Historical Period Archaeology, Downtown Santa Cruz, CA |

# Appendix B
## Artifact Catalog

# Appendix B. Phase I Catalog Report

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Trench | 1 | | 13 | 21 | MET | Metal | Complete | 1 | 13.2 | Complete bolt covered in slag. |
| 2 | Trench | 1 | | 13 | 21 | MET | Metal | Complete | 22 | 101.8 | Complete nails covered in slag. |
| 3 | Trench | 1 | | 13 | 21 | MET | Metal | Fragment | 24 | 69.9 | Partial nails covered in slag. |
| 4 | Trench | 1 | | 13 | 21 | MET | Metal | Fragment | 11 | 6.6 | Misc. metal fragments covered in slag. |
| 5 | Trench | 1 | | 13 | 21 | MOD | Metal | Complete | 1 | 1.3 | Part of a clamp |
| 6 | Trench | 1 | | 13 | 21 | IVR | Shell | Fragment | 1 | 0.3 | Mytilus |
| 7 | Trench | 1 | | 13 | 21 | VER | Bone | Fragment | 1 | 0.3 | Burned bone fragment |
| 8 | Trench | 1 | | 13 | 21 | OCR | Ceramic | Fragment | 1 | 0.4 | Half of a ceramic bead, black & white. |
| 9 | Trench | 1 | | 13 | 21 | CER | Ceramic | Fragment | 1 | 5.3 | Fragment of WIE with printed floral motif. |
| 10 | Trench | 1 | | 13 | 21 | CER | Ceramic | Fragment | 1 | 3.3 | Porcelain w/ green stripe and gold filagree design. |
| 11 | Trench | 1 | | 13 | 21 | GLS | Glass | Fragment | 2 | 1.2 | Olive green bottle shards. |
| 12 | Trench | 1 | | 13 | 21 | GLS | Glass | Fragment | 2 | 3.2 | Amber bottle shards. |
| 13 | Trench | 1 | | 13 | 21 | GLS | Glass | Fragment | 5 | 11.9 | Aqua bottle shards. |
| 14 | Trench | 1 | | 13 | 21 | GLS | Glass | Fragment | 15 | 14.6 | Colorless bottle shards. |
| 15 | Trench | 1 | | 13 | 21 | GLS | Glass | Complete | 1 | 7.7 | Colorless decorative knob/handle. |
| 16 | Trench | 1 | | 13 | 21 | GLS | Glass | Almost Complete | 1 | 31.6 | Nearly complete colorless bottle with patina. Seam on sides//pannel on front//sunburst lines with 1 in center on bottom. |
| 17 | Trench | 1 | | 13 | 21 | CER | Ceramic | Fragment | 5 | 1133.9 | Brick fragments with no MM. |
| 18 | Trench | 1 | | 13 | 21 | C14 | Charcoal | Fragment | 17 | 9.2 | Charcoal fragments. |
| 19 | Trench | 1 | | 13 | 25 | GLS | Glass | Complete | 1 | 105.3 | Intact colorless ink bottle. |
| 20 | Trench | 1 | | 13 | 25 | MET | Metal | Fragment | 2 | 5.9 | Partial nails. |
| 21 | Trench | 3 | | 13 | 20 | IVR | Shell | Fragment | 34 | 21.3 | Mytilus |
| 22 | Trench | 3 | | 13 | 20 | VER | Bone | Fragment | 18 | 9 | Unmodified, unidentifiable T mammal fragments. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | Trench | 3 | | 13 | 20 | VER | Bone | Fragment | 2 | 2.1 | Unidentifiable T mammal fragments with cut marks. |
| 24 | Trench | 3 | | 13 | 20 | VER | Bone | Fragment | 1 | 0.3 | T mammal with cut mark. L tibia prx fragment. |
| 25 | Trench | 3 | | 13 | 20 | VER | Bone | Fragment | 4 | 5.1 | Saw-cut T Mammal fragments. |
| 26 | Trench | 3 | | 13 | 20 | VER | Bone | Fragment | 16 | 13.4 | Burned unidentifiable T mammal fragments. No other mods. |
| 27 | Trench | 3 | | 13 | 20 | GLS | Glass | Fragment | 4 | 3.8 | Colorless bottle shards. |
| 28 | Trench | 3 | | 13 | 20 | GLS | Glass | Fragment | 5 | 8.6 | Aqua bottle shards. |
| 29 | Trench | 3 | | 13 | 20 | CER | Ceramic | Fragment | 1 | 28.7 | Brown glazed ceramic sherd. Possible sewage pipe fragment. |
| 30 | Trench | 3 | | 13 | 20 | CER | Ceramic | Fragment | 1 | 6.4 | Possible slate or monterey stone fragment. |
| 31 | Trench | 3 | | 13 | 20 | CER | Ceramic | Fragment | 1 | 0.2 | Porcelain, white. |
| 32 | Trench | 3 | | 13 | 20 | CER | Ceramic | Fragment | 2 | 1 | Two brick fragments. |
| 33 | Trench | 3 | | 13 | 20 | CER | Ceramic | Fragment | 2 | 3.3 | Two white WIE sherds. |
| 34 | Trench | 3 | | 13 | 20 | MET | Metal | Almost Complete | 1 | 14.9 | Nearly complete bolt. |
| 35 | Trench | 3 | | 13 | 20 | MET | Metal | Complete | 18 | 79 | Complete nails. |
| 36 | Trench | 3 | | 13 | 20 | MET | Metal | Fragment | 32 | 51.3 | Partial nails. |
| 37 | Trench | 3 | | 13 | 20 | MET | Metal | Fragment | 10 | 12.3 | Misc. undertermined metal fragments covered in slag. |
| 38 | Trench | 3 | | 13 | 20 | C14 | Charcoal | Fragment | 18 | 5.1 | Charcoal fragments. |
| 39 | Trench | 4 | | 13 | 30 | MOD | Other | Fragment | 1 | 0 | Styrofoam fragment |
| 40 | Trench | 4 | | 13 | 30 | MET | Metal | Complete | 1 | 3.2 | Complete nail. |
| 41 | Trench | 4 | | 13 | 30 | VER | Bone | Fragment | 1 | 1.4 | Saw-cut T Mammal fragment. |
| 42 | Trench | 4 | | 13 | 30 | GLS | Glass | Fragment | 2 | 5.9 | Aqua bottle shards. |
| 43 | Trench | 4 | | 13 | 30 | GLS | Glass | Fragment | 3 | 2.7 | Colorless bottle shards. |
| 44 | Trench | 4 | | 13 | 30 | CER | Ceramic | Fragment | 3 | 28.7 | 3 White WIE sherds. 1 Has an "R" printed on base. No other MM visible. |
| 45 | Trench | 3 | | 13 | 34 | C14 | Charcoal | Fragment | 7 | 0.5 | Charcoal fragments. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | Trench | 2 | | 13 | 14 | GLS | Glass | Complete | 1 | 251.2 | Complete colorless bottle w/flaking patina. Some bubbles and no seams. No MM. |
| 47 | Trench | 2 | | 13 | 14 | GLS | Glass | Complete | 1 | 110.1 | Complete aqua medicinal bottle. "HEGEMAN & CO//CHEMISTS//NEW YORK///{mold mark}". Bubbles also noted. |
| 48 | Trench | 2 | | 13 | 14 | GLS | Glass | Almost Complete | 1 | 234.5 | Aqua bottle broken at neck. Panneling all around body & shoulders. Bubbles noted, no MM. |
| 49 | Trench | 2 | 1 | 15 | 29 | IVR | Shell | Fragment | 1 | 5.8 | Mytilus |
| 50 | Trench | 2 | 1 | 15 | 29 | IVR | Shell | Fragment | 1 | 24.1 | Haliotis |
| 51 | Trench | 2 | 1 | 15 | 29 | MET | Metal | Complete | 4 | 31.7 | Complete nails. |
| 52 | Trench | 2 | 1 | 15 | 29 | MET | Metal | Fragment | 2 | 5.3 | Misc. metal slag fragments. |
| 53 | Trench | 2 | 1 | 15 | 29 | MET | Metal | Almost Complete | 1 | 0.9 | Safety pin missing clasp end. |
| 54 | Trench | 2 | 1 | 15 | 29 | GLS | Glass | Almost Complete | 2 | 364.1 | Two colorless tumblers with panneling around body. Mold mark on bottom, no MM. |
| 55 | Trench | 2 | 1 | 15 | 29 | GLS | Glass | Fragment | 2 | 12.3 | Olive bottle shards. |
| 56 | Trench | 2 | 1 | 15 | 29 | GLS | Glass | Fragment | 3 | 10.2 | Colorless bottle shards. |
| 57 | Trench | 2 | 1 | 15 | 29 | GLS | Glass | Fragment | 11 | 141 | Aqua bottle in several shards. |
| 58 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Fragment | 3 | 26.7 | Burned T Mammal fragments, No other mods observed. |
| 59 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Almost Complete | 2 | 88.4 | Juvenile T mammal, L humerus in 2 pieces (shaft & distal epiphysis). |
| 60 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Almost Complete | 2 | 34.8 | Juvenile T mammal, R humerus in 2 shaft fragments. |
| 61 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Almost Complete | 6 | 9.1 | Misc. juvenile T mammal bones, mostly carpals. |
| 62 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Fragment | 13 | 128 | Misc. juvenile T. mammal bones. |
| 63 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Complete | 1 | 0.1 | Complete Phalange, T mammal. |
| 64 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Complete | 1 | 2.1 | Avian R femur |
| 65 | Trench | 2 | 1 | 15 | 29 | VER | Bone | Fragment | 9 | 7.7 | Misc. Avian fragments |
| 66 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 5 | 188.5 | White WIE sherds with ribbed pattern. |
| 67 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 4 | 279.8 | White WIE sherds with decorative molding. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 12 | 1256.1 | White WIE sherds from a single vessel. Lots of crazing present, no MM. |
| 69 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 47 | 2164.9 | Misc. white WIE sherds. |
| 70 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 1 | 9.8 | White porcelain rim fragment with gold trim. |
| 71 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 1 | 62.9 | White WIE base sherd with {partial Coat of Arms. In banner: "PORCELAIN"}/ADAMS. |
| 72 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 1 | 45.5 | White WIE base sherd with: {partial Coat of Arms. In banner: "ET MON DROIT"} /[RO]YAL.PATENT./[I]RONSTONE./[BUR]GESS & GODDARD. |
| 73 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 1 | 92.8 | White WIE base sherd with: "STCK/BUR" embossed. |
| 74 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Almost Complete | 1 | 146.5 | Half of white WIE bowl with panneling on interior edge. Base printed with: {Royal Coat of Arms}/ROYAL PATENT/IRONSTONE/BURGESS & GODDARD. |
| 75 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 2 | 287.8 | White WIE bowl printed with IMPERIAL WHITE GRANITE/{Royal Coat of Arms}/GELSON BROS HANLEY. |
| 76 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Fragment | 3 | 210.5 | White WIE sherds with partial embossed MM. Possibly reads: "MAS HOGH{illegible}/{illegible}". |
| 77 | Trench | 2 | 1 | 15 | 29 | CER | Ceramic | Base | 1 | 584.5 | Complete base sherd, white WIE, printed with {Crown & Banner/ Inside triangle of design: IRONSTONE/CHINA/In banner: POWELL & BISHOP.} |
| 78 | Trench | 2 | | 13 | 14 | CER | Ceramic | Fragment | 6 | 195.6 | White WIE sherds. |
| 79 | Trench | 2 | | 13 | 14 | CER | Ceramic | Fragment | 3 | 98.8 | White WIE sherds with decorative molding. |
| 80 | Trench | 2 | | 13 | 14 | CER | Ceramic | Fragment | 2 | 86 | White WIE sherds with panneling on interior edge. |
| 81 | Trench | 2 | | 13 | 14 | CER | Ceramic | Fragment | 1 | 5.9 | White porcelain sherd with panneling on interior edge. |
| 82 | Trench | 2 | | 13 | 14 | C14 | Charcoal | Fragment | 1 | 0.1 | Charcoal fragment |
| 83 | Trench | 2 | | 13 | 14 | GLS | Glass | Fragment | 2 | 63.2 | Colorless glass tumbler shards. |
| 84 | Trench | 2 | | 13 | 14 | VER | Bone | Fragment | 4 | 38.5 | Saw-cut T mammal. |
| 85 | Trench | 2 | | 13 | 14 | VER | Bone | Fragment | 1 | 6.4 | Burned T mammal. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | Trench | 2 | | 13 | 14 | VER | Bone | Fragment | 1 | 0.4 | Avian shaft fragment. |
| 87 | Trench | 2 | | 13 | 20 | GLS | Glass | Complete | 1 | 200.6 | Intact aqua bottle with flaking patina. Embossed with: WORCESTERSHIRE SAUCE/LEA & PERRINS///B/C 0/V. |
| 88 | Trench | 2 | 2 | 16 | 20 | SSA | Soil | Complete | 1 | 2173.7 | Soil sample w/charcoal & burned seeds from under metal object 16.5-20". |
| 89 | Trench | 2 | 2 | 16 | 20 | BOT | Seed | Complete | 10 | 1.6 | Mix of intact and halved burned seeds. |
| 90 | Trench | 2 | 2 | 16 | 20 | C14 | Charcoal | Fragment | 21 | 10 | Charcoal fragments in association with burned seeds in CAT 89 and burned faunal in CAT 91. |
| 91 | Trench | 2 | 2 | 16 | 20 | VER | Bone | Fragment | 1 | 0.3 | Burned unidentifiable T mammal fragment, no other mods. |
| 92 | Trench | 2 | 2 | 15 | 23 | CER | Ceramic | Almost Complete | 6 | 1248.5 | Large WIE bowl in 6 sherds, missing few small fragments. Brown ochre glaze on outer edge. No MM. |
| 93 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Almost Complete | 1 | 901.6 | Brown-glazed WIE lid with round handle. |
| 94 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Almost Complete | 1 | 380.4 | White WIE plate sherd with illegible embossed MM on base. |
| 95 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 2 | 96.8 | White WIE base sherds with printed MM: {In banner:IMPERIAL}/{Eagle with Coat of Arms}/{In banner:FRENCH PORCELAIN}/ADAMS. |
| 96 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Complete | 1 | 216.7 | Intact aqua bottle with panneling on front and sides, bubble, no MM. |
| 97 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Base | 1 | 643.2 | Base of olive wine bottle w/flaking patina. No MM. |
| 98 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Almost Complete | 1 | 316.6 | Colorless tumbler. |
| 99 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Fragment | 10 | 171.4 | Fragments from aqua bottle embossed with: "RIDA/MURRAY & LANMAN/DRUGGISTS/[N]EW-YORK///19". |
| 100 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Fragment | 7 | 107.2 | Shards of aqua plane glass, likely from picture frame (very thin). |
| 101 | Trench | 2 | 2 | 15 | 35 | GLS | Glass | Fragment | 1 | 10.7 | Colorless bottle shard. |
| 102 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 1 | 158.2 | Sherd of terra-cotta type ceramic, possibly a teja? |
| 103 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 4 | 172.1 | White WIE sherds, no MM. |
| 104 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 1 | 174.6 | Possibly same lid as CAT92? |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 1 | 32.8 | White WIE sherdwith partial embossed MM, illegible. High degree of crazing, possibly burned? |
| 106 | Trench | 2 | 2 | 15 | 35 | CER | Ceramic | Fragment | 1 | 117.4 | White WIE sherd with printed MM: {Royal Coat of Arms}/{In banner: DIEU ET MON DROIT}/ STONE CHINA/J.T. CLOSE & CO/STOKE UPON TRENT". Additional embossed MM below. |
| 107 | Trench | 2 | 2 | 15 | 35 | IVR | Shell | Fragment | 48 | 34.1 | Mytilus |
| 108 | Trench | 2 | 2 | 15 | 35 | VER | Bone | Fragment | 16 | 5.9 | Burned unidentifiable T Mammal fragments. |
| 109 | Trench | 2 | 2 | 15 | 35 | VER | Bone | Fragment | 1 | 51.4 | Distal femoral fragment, burned, T mammal. |
| 110 | Trench | 2 | 2 | 15 | 35 | OTH | Shell | Complete | 2 | 0 | XS shell button in 2 pieces, 4 holes. |
| 111 | Trench | 2 | 2 | 15 | 19 | IVR | Shell | Complete | 1 | 4.7 | Clam shell |
| 112 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 2 | 672.2 | Olive green wine bottle with flaking patina. |
| 113 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 2 | 438.5 | Olive green wine bottle. |
| 114 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 14 | 93.8 | Aqua pane glass shards. Very thin, possibly from photo frames? Patina flaking. |
| 115 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 3 | 7.2 | Aqua bottle shards |
| 116 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 2.3 | Canning jar lid shard. |
| 117 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 1.7 | Amber bottle shard. |
| 118 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 3 | 29.1 | Olive bottle shards. |
| 119 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 14 | 112.4 | Colorless bottle shards. |
| 120 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 35.7 | Colorless handle, possibly to CAT 98? |
| 121 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Fragment | 1 | 24.9 | Colorless decorative knob. |
| 122 | Trench | 2 | 2 | 21 | 35 | GLS | Glass | Base | 4 | 275 | Colorless tumbler bases each in 2 pieces. No MM. |
| 123 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Complete | 2 | 1.2 | Two abalone shell buttons, one slightly smaller than the other. Both have 4 holes in a depressed center. |
| 124 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Complete | 1 | 0.8 | Abalone shell button with 2 holes in raised center. |
| 125 | Trench | 2 | 2 | 21 | 35 | OTH | Glass | Complete | 1 | 0.5 | White milk glass button with 4 holes in sunken center. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | Trench | 2 | 2 | 21 | 35 | OTH | Ceramic | Complete | 1 | 0.4 | White clay bead. |
| 127 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 8 | 59.2 | Partial nails. |
| 128 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 2 | 24 | Washers. |
| 129 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 2 | 7 | Decorative metal dish with floral filagree engraved. |
| 130 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 8 | 123.2 | Complete nails. |
| 131 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 2 | 50.5 | Skeleton key covered in slag. Handle in 2 pieces. |
| 132 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Almost Complete | 1 | 40.5 | Pocket knife with woodgrain design etched. |
| 133 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 3 | 33.3 | Sections of wire. |
| 134 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 1 | 18.6 | Decorative picture frame with filagree etching. |
| 135 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Fragment | 21 | 74.1 | Misc. fragments of metal and slag. |
| 136 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Complete | 2 | 387.8 | White WIE bowl with "EGEWOOD & CLARKE" embossed on base. |
| 137 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 13 | 661.3 | White WIE sherds with no MM. |
| 138 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 3 | 262.5 | White WIE with embossed MM "STOKE…" |
| 139 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 2 | 138 | White WIE with printed MM reading: {Royal Coat of Arms}/ {In banner: EU ET MON DROIT/W&T ADAMS/IRONSTONE CHINA}/ TUNSTALL. |
| 140 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 5.7 | White porcelain. |
| 141 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 13.9 | White porcelain handle with gold paint. |
| 142 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 21.3 | WIE with printed religious scene and partial "X". |
| 143 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Almost Complete | 2 | 132.4 | Nearly complete white WIE bolwl with illegible embossed MM. |
| 144 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 62.6 | White WIE sherd with partial printed MM reading :{In banner: T. ADAMS/CHI[NA]}/TUNSTALL |
| 145 | Trench | 2 | 2 | 21 | 35 | MET | Metal | Complete | 1 | 14.1 | Spoon with filagree design on back. Handle is CAT 146. |
| 146 | Trench | 2 | 2 | 21 | 35 | OTH | Bone | Complete | 1 | 15.4 | Bovine or Porcine spoon handle. |
| 147 | Trench | 2 | 2 | 35 | 70 | OTH | Other | Fragment | 50 | 1.8 | Eggshell fragments. |
| 148 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Fragment | 400 | 487.7 | Mytilus |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIA | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Almost Complete | 5 | 41.2 | Clam shell |
| 150 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Almost Complete | 6 | 22.5 | Clam shell |
| 151 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Fragment | 1 | 13.2 | Clam shell |
| 152 | Trench | 2 | 2 | 21 | 35 | IVR | Shell | Complete | 1 | 4.4 | Turban snail |
| 153 | Trench | 2 | 2 | 21 | 35 | BOT | Seed | Complete | 2 | 1.9 | Burned seeds. |
| 154 | Trench | 2 | 2 | 21 | 35 | OTH | Shell | Almost Complete | 1 | 0.7 | Abalone shell button with 4 holes in a depressed center. |
| 155 | Trench | 2 | 2 | 21 | 35 | CER | Ceramic | Fragment | 1 | 4.7 | White porcelain. |
| 156 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 26 | 36.3 | Incomplete Avian. |
| 157 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 4 | 26.5 | Complete Avian. |
| 158 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 10 | 4.4 | Fish |
| 159 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 10 | 5.8 | Fish |
| 160 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 11 | 23.3 | Incomplete T mammal fragments, burned. No other mods. |
| 161 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Complete | 20 | 18.3 | Complete T mammal. |
| 162 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 38 | 91.8 | Incomplete T Mammal. |
| 163 | Trench | 2 | 2 | 21 | 35 | VER | Bone | Fragment | 28 | 611.1 | Incomplete, saw-cut T Mammal. |
| 164 | Trench | 2 | 2 | 16 | 35 | VER | Bone | Fragment | 10 | 13.2 | Burned T Mammal, no other mods. |

# Phase II Catalog Report

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Trench | 2A | 2 | 12 | 20 | MET | Metal | Fragment | 1 | 512.1 | Possible bell or funnel. Collected from W wall. |
| 2 | Trench | 2A | 2 | 12 | 20 | MET | Metal | Complete | 1 | 3.6 | Nail |
| 3 | Trench | 2A | 2 | 12 | 20 | CER | Ceramic | Fragment | 6 | 287.6 | WIE sherds, no MM or patterns. |
| 4 | Trench | 2A | 2 | 12 | 20 | GLS | Glass | Fragment | 2 | 11.8 | Thin olive bottle shards |
| 5 | Trench | 2A | 2 | 12 | 20 | GLS | Glass | Fragment | 3 | 16 | Pane glass |
| 6 | Trench | 2A | 2 | 12 | 20 | GLS | Glass | Fragment | 3 | 34.2 | Colorless wine or champagne flute glass |
| 7 | Trench | 5 | 3 | 12 | 26 | CER | Ceramic | Fragment | 27 | 365.3 | WIE sherds, no MM. North half sample. |
| 8 | Trench | 5 | 3 | 12 | 26 | CER | Ceramic | Fragment | 1 | 66.5 | Brick fragment. North half sample. |
| 9 | Trench | 5 | 3 | 12 | 26 | CER | Ceramic | Fragment | 4 | 20.3 | WIE with transfer pattern, no MM. North half sample. |
| 10 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 6.3 | Aqua glass bottle shard. North half sample. |
| 11 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 10.2 | Amethyst base shard with "[D}ruggist/. H. B./ AL" embossed. North half sample. |
| 12 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 2.6 | Light green bottle shard. North half sample. |
| 13 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 3.1 | Olive bottle shard. North half sample. |
| 14 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 1.8 | Amber bottle shard. North half sample. |
| 15 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 30 | 346.3 | Undiff. Metal. North half sample. |
| 16 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 26 | 172.4 | Nails. North half sample. |
| 17 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 7 | 104.8 | Fragments of a large metal ring(s). North half sample. |
| 18 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Almost Co | 1 | 0.7 | .22 round casing. North half sample. |
| 19 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Almost Co | 1 | 11.4 | Rifle round casing. North half sample. |
| 20 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Almost Co | 1 | 3 | Metal eyelets in slag. North half sample. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 1 | 1 | Portion of a lock. North half sample. |
| 22 | Trench | 5 | 3 | 12 | 26 | OTH | Other | Fragment | 1 | 1 | Pencil lead. North half sample. |
| 23 | Trench | 5 | 3 | 12 | 26 | CER | Ceramic | Fragment | 11 | 103.3 | WIE sherds, no MM. South half sample above F3. |
| 24 | Trench | 5 | 3 | 12 | 26 | CER | Ceramic | Fragment | 1 | 71.6 | WIE with yellow glaze, no MM. South half sample above F3. |
| 25 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Complete | 1 | 21.2 | Nail. South half sample above F3. |
| 26 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 8 | 12.5 | Undiff. Metal. South half sample above F3. |
| 27 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Complete | 1 | 53.2 | Metal cap, unknown use. South half sample above F3. |
| 28 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 1 | 2.3 | Metal wire. South half sample above F3. |
| 29 | Trench | 5 | 3 | 12 | 26 | MET | Metal | Fragment | 1 | 210.2 | Metal bar or pin. South half sample above F3. |
| 30 | Trench | 5 | 3 | 12 | 26 | OTH | Slate | Fragment | 1 | 7.4 | Fragment of slate. South half sample above F3. |
| 31 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 0.5 | Shard of white milk glass. South half sample above F3. |
| 32 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 1 | 4.3 | Pane glass. South half sample above F3. |
| 33 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 6 | 8 | Colorless glass shards, no MM. South half sample above F3. |
| 34 | Trench | 5 | 3 | 12 | 26 | GLS | Glass | Fragment | 2 | 6.1 | Amber glass shards. One embossed with "ER, N". South half sample above F3. |
| 35 | Trench | 5 | 3 | 12 | 26 | FAR | Granitic | Complete | 1 | 259.1 | Very round FAR. South half sample above F3. |
| 36 | Trench | 2A | 4 | 31 | 42 | MET | Metal | Fragment | 3 | 25.7 | Undiff. Metal. |
| 37 | Trench | 2A | 4 | 31 | 42 | MET | Metal | Fragment | 2 | 47.1 | Portions of metal can. |
| 38 | Trench | 2A | 4 | 31 | 42 | MET | Metal | Fragment | 1 | 4.3 | Metal clasp and liner fragment, possibly from a purse. |
| 39 | Trench | 2A | 4 | 31 | 42 | MET | Metal | Fragment | 1 | 7.6 | Decorative triange-shaped piece of metal. Possibly from a purse or other personal item. |
| 40 | Trench | 2A | 4 | 31 | 42 | CER | Ceramic | Fragment | 1 | 4.2 | Clay pipe stem |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | Trench | 2A | 4 | 31 | 42 | CER | Ceramic | Fragment | 3 | 119.9 | WIE sherds, no MM. |
| 42 | Trench | 2A | 4 | 31 | 42 | CER | Ceramic | Fragment | 1 | 111.9 | WIE teacup with handle and floral transfer print. Gold line around rim. No mm. |
| 43 | Trench | 2A | 4 | 31 | 42 | CER | Ceramic | Fragment | 1 | 44.4 | Porcelain cup sherd, partial base and intact decoratively shaped handle. No mm. |
| 44 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 5.7 | Shard of white milk glass. |
| 45 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 4 | 74.5 | Colorless glass shards; 2 cork-top bottle necks, 1 side shard, 1 canning jar side shard. No MM or embossing. |
| 46 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 3 | 38.8 | Colorless shards from champagne flute/wine glass. No MM. |
| 47 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 12.5 | Yellow glass rim shard with scalloped edge, panneling, shell-shape embossing |
| 48 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 17.1 | Side shard of jar, colorless with decorative yellow edge around base. No MM. |
| 49 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 27.2 | Aqua bottle shard embossed with "[W]hittemor[e]/ Boston/ U.S.A.". |
| 50 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 37.9 | Thick shard of aqua glass, possibly from a window? |
| 51 | Trench | 2A | 4 | 31 | 42 | GLS | Glass | Fragment | 1 | 49.1 | Decorative amethyst glass, likely small bowl. Embossed with several different shapes but no MM. |
| 52 | Trench | 6 | 5C | 34 | 48 | CER | Ceramic | Fragment | 2 | 73.6 | WIE sherds, no MM. "Undif. Context F5". |
| 53 | Trench | 6 | 5C | 34 | 48 | CER | Ceramic | Fragment | 1 | 32.5 | White porcelain sherd with scalloped edge, no MM. "Undif. Context F5". |
| 54 | Trench | 6 | 5C | 34 | 48 | CER | Ceramic | Fragment | 1 | 8.7 | Asian porcelain sherd with painted blue design. "Undif. Context F5". |
| 55 | Trench | 6 | 5C | 34 | 48 | GLS | Glass | Fragment | 3 | 37.8 | Colorless shards from a wine glass/champagne flute. "Undiff. Context F5". |
| 56 | Trench | 6 | 5C | 34 | 48 | GLS | Glass | Base | 1 | 105.9 | Aqua hobbleskirt bottle base. No MM. "Undiff. Context F5". |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | Trench | 6 | 5C | 34 | 48 | GLS | Glass | Base | 1 | 227 | Olive bottle base, possibly wine bottle. Embossed with "L…ON". "Undiff. Context F5". |
| 58 | Trench | 6 | 5C | 34 | 48 | GLS | Glass | Complete | 1 | 280.4 | Complete aqua bottle, no embossing or MM. Side pannel and shoulder seams, cork-top. "Undiff. Context F5". |
| 59 | Trench | 6 | 5C | 34 | 48 | GLS | Glass | Complete | 1 | 263 | Complete aqua bottle embossed with "Burnett's Cocoaine// Burnett// Boston". "Undiff. Context F5". |
| 60 | Trench | 6 | 5C | 34 | 48 | OTH | Slate | Fragment | 1 | 18.1 | Fragment of slate with cut straight edge. "Undiff. Context F5". |
| 61 | Trench | 6 | 5A | 12 | 27 | MET | Metal | Almost Co | 70 | 348.6 | Nails. E half of F5, Context A. |
| 62 | Trench | 6 | 5A | 12 | 27 | MET | Metal | Fragment | 27 | 331.1 | Undiff. Metal. E half of F5, Context A. |
| 63 | Trench | 6 | 5A | 12 | 27 | MET | Metal | Fragment | 1 | 1.6 | Portion of a metal lock. E half of F5, Context A. |
| 64 | Trench | 6 | 5A | 12 | 27 | MET | Metal | Fragment | 2 | 2.8 | Part of a metal chain, possibly for a necklace or pocketwatch chain. E half of F5, Context A. |
| 65 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 5 | 21.6 | Clay pipe in fragments. 2 fragments look burned. E half F5 Context A. |
| 66 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 1 | 7.6 | Asian porcelain sherd, jade paint with tree design. No MM. E half F5 Context A. |
| 67 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 1 | 16.1 | Tan, salt-glazed tile sherd. E half F5 Context A. |
| 68 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 3 | 10.5 | WIE sherds, no MM. E half of F5, Context A. |
| 69 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 4 | 8.6 | Sherds of white porcelain toy tea set. No MM. E half F5, Context A. |
| 70 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Fragment | 2 | 4.6 | Amber bottle shards, no MM. E half of F5, Context A. |
| 71 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Fragment | 3 | 10.5 | Aqua bottle shards, no MM. E half of F5, Context A. |
| 72 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Fragment | 1 | 1.4 | Amethyst shard, no MM. E half of F5, Context A. |
| 73 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Complete | 1 | 47.8 | Green bottle stopper/lid. E half of F5, Context A. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Fragment | 8 | 23.7 | Colorless bottle shards, no MM. E half of F5, Context A. |
| 75 | Trench | 6 | 5A | 12 | 27 | GLS | Glass | Fragment | 42 | 75.9 | Aqua pane glass. E half of F5, Context A. |
| 76 | Trench | 6 | 5A | 12 | 27 | BOT | Seed | Complete | 3 | 10 | Seeds with light mud covering, appear burned. E half of F5, Context A. |
| 77 | Trench | 6 | 5A | 12 | 27 | C14 | Charcoal | Fragment | 1 | 0.1 | Charcoal. E half of F5, Context A. |
| 78 | Trench | 6 | 5A | 12 | 27 | CER | Ceramic | Fragment | 1 | 22.9 | Porcelain plate sherd with scalloped edge, ombre blue paint, and gold painted stars. No MM. Above F5, 16" bs. |
| 79 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Fragment | 1 | 34.8 | Spoon. E half of F5 Context B. |
| 80 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Fragment | 1 | 2 | Possible napkin ring? E half of F5, Context B. |
| 81 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Fragment | 7 | 59.3 | Wire. E half of F5, Context B. |
| 82 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Complete | 1 | 206.9 | Metal T-shaped handle. E half of F5, Context B. |
| 83 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Fragment | 70 | 527.1 | Undiff. Metal. E half of F5, Context B. |
| 84 | Trench | 6 | 5B | 27 | 34 | OTH | Slate | Fragment | 1 | 11.5 | Fragment of slate with cut straight edge. E half of F5, Context B. |
| 85 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 3 | 16.6 | WIE sherds with painted brown stripe. 1 sherd has hobnail-type stiplling on one side. E half of F5, Context B. |
| 86 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 5 | 13.7 | Clay pipe fragments, at least 3 are burned. E half of F5, Context B. |
| 87 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 1 | 4 | WIE sherd with partial MM, "{crown} ROYA[L}". East half of F5, Context B. |
| 88 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 2 | 7.3 | White porcelain sherds. East half of F5, Context B. |
| 89 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 4 | 5 | White porcelain from toy tea set. East half of F5, Context B. |
| 90 | Trench | 6 | 5B | 27 | 34 | IVR | Shell | Fragment | 1 | 5.8 | Abalone with ocean-polished edges. East half of F5, Context B. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 18 | 90.5 | WIE sherds, no MM. East half of F5, Context B. |
| 92 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 1 | 44.9 | White porcelain doorknob. East half of F5, Context B. |
| 93 | Trench | 6 | 5B | 27 | 34 | CER | Ceramic | Fragment | 1 | 51 | Brown porcelain doorknob. East half of F5, Context B. |
| 94 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 1 | 1.2 | Stained glass shard, clear with red design. East half of F5, Context B. |
| 95 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 2 | 7.9 | Amber bottle shards. East half of F5, Context B. |
| 96 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 1 | 7.1 | Amethyst glass shard. East half of F5, Context B. |
| 97 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 11 | 23.6 | Colorless glass shards. East half of F5, Context B. |
| 98 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 5 | 8.9 | Colorless pane glass. East half of F5, Context B. |
| 99 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 4 | 75.5 | Colorless shards from a wine glass. East half of F5, Context B. |
| 100 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 20 | 49.7 | Aqua pane glass shards. East half of F5, Context B. |
| 101 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Fragment | 29 | 179 | Aqua bottle shards. East half of F5, Context B. |
| 102 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Complete | 1 | 0.4 | White milk glass button, 4 holes in a depressed center with lines embossed around edge on 1 face. East half of F5, Context B. |
| 103 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Complete | 1 | 20.6 | Amethyst cork-top perfume bottle, embossed with "Eastman's Royal Perfume" in script. East half of F5, Context B. |
| 104 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Complete | 1 | 55.5 | Aqua bottle embossed with, "A. Trask's// Magnetic//Ointment". East half of F5, Context B. |
| 105 | Trench | 6 | 5B | 27 | 34 | GLS | Glass | Complete | 1 | 8.7 | White glass marble. East half of F5, Context B. |
| 107 | Trench | 2A | 2 | 12 | 20 | VER | Bone | Complete | 1 | 42.7 | R cow patella. |
| 108 | Trench | 2A | 2 | 12 | 20 | VER | Bone | Fragment | 1 | 10.2 | Cow rib shaft fragment, saw cut with cut mark. |
| 109 | Trench | 2A | 2 | 12 | 20 | VER | Bone | Fragment | 2 | 9 | Saw-cut cow vertebral fragments. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110 | Trench | 2A | 2 | 12 | 20 | VER | Bone | Almost Co | 2 | 1.8 | Avian long bone, undiff. |
| 111 | Trench | 2A | 2 | 12 | 20 | IVR | Shell | Fragment | 1 | 1.6 | Mussel shell |
| 112 | Trench | 2A | 2 | 12 | 20 | IVR | Shell | Fragment | 1 | 1.5 | Butter clam shell |
| 113 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 8 | 23.7 | Undiff. T Mammal, no modifications. Trench 5 above F3. |
| 114 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 3.5 | Undiff. T mammal, saw-cut. Trench 5 above F3. |
| 115 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 25.7 | Caprinae metapodial, distal fragment. No mods. Trench 5 above F3. |
| 116 | Trench | 5 | 3 | 12 | 26 | IVR | Shell | Fragment | 4 | 6.2 | Mussel shell. Trench 5 above F3. |
| 117 | Trench | 5 | 3 | 12 | 26 | IVR | Shell | Fragment | 16 | 18.1 | Mussel shell. F3 sample, north half bisect. |
| 118 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 101.7 | Saw-cut cow femur. F3 north half bisect. |
| 119 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 75.8 | Saw-cut cow rib, R, cut marks present. F3 north half bisect. |
| 120 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 106.3 | Saw-cut proximal cow femur, L, chops and cut marks. F3 north half bisect. |
| 121 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 10 | 86.4 | Portions of cow mandible and teeth, L. F3 north half bisect. |
| 122 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Complete | 3 | 11.3 | Pig phalanges. F3 north half bisect. |
| 123 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 44 | 109.8 | Undiff. T mammal, no mods. F3 north half bisect. |
| 124 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 13 | 89.2 | Undiff. T mammal with cut marks. F3 north half bisect. |
| 125 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 6 | 117.4 | Saw-cut cow vertebrae. F3 north half bisect. |
| 126 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 21 | 93.3 | Saw-cut undiff. T mammal, most with cut marks. F3 north half bisect. |
| 127 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 6 | 17.1 | Burned undiff. T mammal. F3 north half bisect. |
| 128 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 32.9 | R sheep innominate, juv. Cut marks present. F3 north half bisect. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 47.2 | L sheep femur, juv. Cut marks present. F3 north half bisect. |
| 130 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 25 | Juv. Sheep medapodial. F3 north half bisect. |
| 131 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 4.8 | L sheep calcaneus, likely juv. Based on size. F3 north half bisect. |
| 132 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 2.1 | Undiff. Avian. F3 north half bisect. |
| 133 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 2 | Burned undiff. Avian. F3 north half bisect. |
| 134 | Trench | 5 | 3 | 12 | 26 | VER | Bone | Fragment | 1 | 19.1 | L innominate, juv sheep. Cut marks and chops present. F3 north half bisect. |
| 135 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Fragment | 3 | 59.9 | Saw cut cow, no other mods. |
| 136 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Fragment | 3 | 1.1 | Undiff. T mammal, no mods. |
| 137 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Fragment | 2 | 5.6 | Saw-cut and burned T mammal. |
| 138 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Fragment | 2 | 0.9 | Undiff. Avian, no mods. |
| 139 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Fragment | 1 | 3.2 | Avian femur. |
| 140 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Complete | 1 | 41.6 | R tibial epiphyses, cow. No mods. |
| 141 | Trench | 2A | 4 | 31 | 42 | VER | Bone | Complete | 1 | 76.6 | L cow astragalus. |
| 142 | Trench | 6 | 5A | 12 | 27 | IVR | Shell | Complete | 2 | 325.3 | Butter clam shells. |
| 143 | Trench | 6 | 5C | 34 | 48 | IVR | Shell | Almost Co | 1 | 65.3 | Butter clam shell. F5 context c/o, undiff. |
| 144 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 20 | 14.3 | Undiff. T mammal, no mods. Context A. |
| 145 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 11 | 35.3 | Saw-cut undiff. T mammal, no other mods. Context A. |
| 146 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 26 | 63.7 | Burned undiff. T mammal, no other mods. Context A. |
| 147 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 2 | 2.4 | Burned undiff T mamma, cut marks present. Context A. |
| 148 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 1 | 0.1 | Avain gullet ring, Context A. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 10 | 22.6 | Burned and saw-cut undiff. T mammal. Context A. |
| 150 | Trench | 6 | 5A | 12 | 27 | IVR | Shell | Fragment | 1 | 2.4 | Crab pinscher. Context A. |
| 151 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 21.4 | Saw-cut cow vertebra. Context A. |
| 152 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 9 | 7.9 | Burned avian bone. Context A |
| 153 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 11 | 11 | Avian vertebrae. Context A. |
| 154 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 36 | 16.4 | Undiff. Avian. Context A. |
| 155 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.7 | R avian carpometacarpus. Context A. |
| 156 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 5.4 | L avian femur. Context A. |
| 157 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 2 | 4.6 | R avian femur fragments. Context A. |
| 158 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 2 | 3.8 | L avian femur fragments. Context A. |
| 159 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 1 | 3.9 | R avian tarsometatarsus. Context A. |
| 160 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 1.8 | L avian humerus. Context A. |
| 161 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 1.1 | R avian humerus. Context A. |
| 162 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 1 | 2.8 | R avian humerus. Context A. |
| 163 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 2 | 5 | L avian tibiotarsus. Context A. |
| 164 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 2 | 4.5 | R avian tibiotarsus. Context A. |
| 165 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 0.4 | L avian radius. Context A. |
| 166 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 0.4 | R avian radius. Context A. |
| 167 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 1.6 | R avian ulna. Context A. |
| 168 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 1.2 | L avian ulna. Context A. |
| 169 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 1 | 0.2 | Avian clavicle. Context A. |
| 170 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 3 | 2.9 | Avian ribs. Complex A. |
| 171 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 2 | 3.7 | Rockfish caudal vertebrae. Context A. |
| 172 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.2 | L rockfish articular. Context A. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 173 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Almost Co | 2 | 1.3 | L rockfish opercles. ContextA. |
| 174 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.1 | R rockfish maxila. Context A. |
| 175 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 0.4 | Rockfish cleithrum. Context A. |
| 176 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 3 | 1.9 | Rockfish dentary. Context A. |
| 177 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 1 | 1.3 | Rockfish neurocranium. Context A. |
| 178 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.2 | Rockfish quadrate. Context A. |
| 179 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.5 | Rockfish preopercular. Context A. |
| 180 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Complete | 1 | 0.3 | Rockfish hyomandibular. Context A. |
| 181 | Trench | 6 | 5A | 12 | 27 | VER | Bone | Fragment | 10 | 3.4 | Undiff. Rockfish. Context A. |
| 182 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 29 | 90.6 | Burned and saw-cut undiff. T mammal. Context B. |
| 183 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 49 | 102.1 | Burned undiff. T mammal. Context B. |
| 184 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 11 | 23.8 | Burned and cut undiff. T mammal. Context B. |
| 185 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 14 | 71.2 | Burned, cut and sawed undiff. T mammal. Context B. |
| 186 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 6 | 5.9 | Unmodified undiff. T mammal. Context B. |
| 187 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 4 | 11.7 | Saw-cut undiff. T mammal. Context B. |
| 188 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 2 | 0.3 | Undiff. Rockfish. Context B. |
| 189 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Almost Co | 1 | 0.3 | Burned rockfish vertebra. Context B. |
| 190 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 2 | 3 | Burned avian vertebrae. Context B. |
| 191 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 18 | 10.9 | Undiff. Burned avian. Context B. |
| 192 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Almost Co | 1 | 0.1 | Avian clavicle. Context B. |
| 193 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Complete | 1 | 0.4 | Avian vertebra. Context B. |
| 194 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 1 | 3.2 | Avian R femur, unmod. Context B. |
| 195 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 2 | 4.1 | Avian L humerus. Context B. |

| CAT | RTYPE | UNO | FEAT | TOPLEV | BOTLEV | OBJECT | MATERIAL | Condition | CT | WT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | Trench | 6 | 5B | 27 | 34 | VER | Bone | Fragment | 1 | 2.4 | Avian L tibiotarsus. Context B. |
| 197 | Trench | 6 | 5B | 27 | 34 | IVR | Shell | Fragment | 1 | 0.8 | Mussel shell. Context B. |
| 198 | Trench | 6 | 5B | 27 | 34 | BOT | Shell | Fragment | 2 | 1.5 | Burned fruit pit in two halves. Context B. Washed with bone, not viable for testing. |
| 199 | Trench | 6 | 5B | 27 | 34 | C14 | Charcoal | Fragment | 9 | 9.2 | Charcoal, Context B. Washed with bone, not viable for testing. |
| 200 | Trench | 6 | 5B | 27 | 34 | MET | Metal | Complete | 1 | 0.2 | Small screw. Context B. |

# Appendix C
## Project Photographs

**Photo 1.** Cat # 59 is an intact personal grooming bottle recovered from Feature 5 Context C. The bottle was produced by Joseph Burnett between 1857–1890s.

**Photo 2**. Cat # 104 is an intact medicinal bottle recovered from Feature 5 Context B. The bottle was produced by Reverend G Trask between the 1880s–1907.

**Photo 3**. Cat # 69 consists of four sherds (two are pictured here) of a children's toy porcelain tea set recovered from Feature 5 Context A. This type of toy tea set has been available since the mid-1800s but demonstrates the presence of children and family residences in the area around Feature 5.

**Photo 4.** Cat # 86 consists of five sherds of kaolin clay pipes from Feature 5 Context B. This type of pipe was a simplified version of earlier clay pipes and was ubiquitous between the 1850s-1930s.

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# Appendix D

DUD-LIB-1 Department of Parks and Recreation
523 forms

| State of California — The Resources Agency<br>DEPARTMENT OF PARKS AND RECREATION<br>**PRIMARY RECORD** | Primary #<br>HRI #<br>Trinomial<br>NRHP Status Code | |
|---|---|---|
| Other Listings<br>Review Code | Reviewer | Date |

 ***Resource Name or #:** DUD-LIB-1

**P1. Other Identifier:**

***P2. Location:** ☑ **Not for Publication** ☐ **Unrestricted** ***a. County:** Santa Cruz

**and** (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz **Date:** 1954, photo revised 1994 **T** 11S ; **R** 2W; NW ¼ **of** SE ¼ **of Sec** 13**; B.M.**

c. Address: City parking lot including 113 Lincoln St City: Sant Cruz Zip: 95060

d. UTM: Zone: 10S; 586642.96 mE/ 4092212.20 mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: 15-16 ft amsl

From the intersection of Hwy 1 with Mission Street in downtown Santa Cruz, head south on Chestnut Street Extension for 0.2 miles then continue on Chestnut Street for another 0.2 miles, then turn left on Lincoln Street. The site is located below a paved Santa Cruz city parking lot southeast of the intersection between Lincoln and Cedar Streets. The site spans the full block between Lincoln Street and Cathcart Street.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

DUD-LIB-1 consists of a historical period sheet refuse deposit (SRD) and five historical period refuse features located under a paved parking lot in downtown Santa Cruz. The site was identified during Extended Phase I and Phase II testing in November and December 2022 for a proposed library development. The SRD was found just below the gravel fill layer supporting the asphalt parking surface. Five historical period refuse deposits were all located within an area 35 feet long (E-W) by 9 feet wide (N-S) designated as Locus 1 and excavated by hand. A total of 825 historical period artifacts were recovered from the site, including 2,992 g of faunal bone, 1,035 g of marine shell, 1.8 g of avian shell, 28.5 g of charcoal, and 23.5 g of seeds. The artifact assemblage dated between the mid-1800s and the early 1930s and indicated refuse events likely associated with both middle class residences and mid-to-upper class hotels and/or restaurants . The SRD and features were heavily impacted by modern development. The findings correlate with the late nineteenth century parcel configuration shown on the 1892 Sanborn Map with Features 1, 2, 3, and 4 associated with the property at the southeast corner of the intersection of Lincoln and Cedar Streets (previously 25 and 40 Lincoln Street), while Feature 5 seems associated with the adjacent property to the east (previously 23 and 41 Lincoln Street).

***P3b. Resource Attributes:** (List attributes and codes) AH4. Trash scatter

***P4. Resources Present:** ☐Building ☐Structure ☐Object ☑Site ☐District ☐Element of District ☐Other (Isolates, etc.)

**P5b. Description of Photo:** Locus 1 Overview with Calvary Church in background (Excavation of Trench 2 in progress). View W

***P6. Date Constructed/Age and Sources:**
☑Historic ☐Prehistoric ☐Both

***P7. Owner and Address:**
City of Santa Cruz
809 Center Street, Room 206
Santa Cruz, CA 95060

***P8. Recorded by:**
J. Schlagheck and J. Royer
Dudek
725 Front Street, Suite 400
Santa Cruz, CA 95060

***P9. Date Recorded:** 01/18/2023

***P10. Survey Type:** Extended Phase I and Phase II mechanical testing

***P11. Report Citation:** Schlagheck, J., R. Brady, A. Moniz, J. Royer, and F. Steffen. 2023. Phase II Archaeological Testing and Evaluation for the Downtown Library Mixed-Use Project, Santa Cruz, California. Report prepared for City of Santa Cruz Economic Development Department.

***Attachments:** ☐NONE ☑Location Map ☑Sketch Map ☑Continuation Sheet ☐Building, Structure, and Object Record ☑Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

# ARCHAEOLOGICAL SITE RECORD



***A1. Dimensions: a. Length:** 310 ft. (N-S) × **b. Width:** 200 ft. (E-W)
**Method of Measurement:** ☐ Paced ☐ Taped ☐ Visual estimate ☑ Other: GPS (Field Maps App)
**Method of Determination** (Check any that apply.): ☐ Artifacts ☑ Features ☐ Soil ☐ Vegetation ☐ Topography ☐ Cut bank ☐ Animal burrow ☐ Excavation ☑ Property boundary ☑ Other (Explain): Sanborn maps

**Reliability of Determination:** ☐ High ☑ Medium ☐ Low Explain: Site boundary are approximate since area is completey paved over.

**Limitations** (Check any that apply): ☐ Restricted access ☑ Paved/built over ☐ Site limits incompletely defined ☑ Disturbances ☐ Vegetation ☐ Other (Explain):

**A2. Depth:** 36 inches ☐ None ☐ Unknown Method of Determination: Mechanical and hand excavation
***A3. Human Remains:** ☐ Present ☑ Absent ☐ Possible Unknown (Explain):

***A4. Features** (Number, briefly describe, indicate size, list associated cultural constituents, and show location of each feature on sketch map.):
One SRD and five features were identified within the limits of 11 test trenches. The features were characterized by artifact concentration and soil changes, but no features presented architectural components. See Continuation Sheet for detailed description and Locus 1 sketch map.

***A5. Cultural Constituents (**Describe and quantify artifacts, ecofacts, cultural residues, etc., not associated with features.):
The SRD is intermittent just below the gravel fill layer supporting the asphalt parking surface in a layer of variable thickness from 2 to 10 inches. Artifact size and density is low and include historical period domestic artifacts (glass, ceramic, and metal) associated with the mid- to late nineteenth century and early to mid-twentieth century. The random nature of the layer and the artifacts suggests significant disturbance and thar the artifacts are not in the location of original deposition. The five features are discreet concentrations of mostly glass, ceramic, and metal, however, bone and charred seeds were also present. Exposed area of the features was limited to the boundaries of the mechanical trenches, hence the actual dimensions of the features is not known.

***A6. Were Specimens Collected?** ☐ No ☑ Yes (If yes, attach Artifact Record or catalog and identify where specimens are curated.)
***A7. Site Condition:** ☐ Good ☑ Fair ☐ Poor (Describe disturbances.): Site has been disturbed by construction projects over the past century. A modern pipe approximately 30 inches below the surface appears to have impacted all five features.
***A8. Nearest Water** (Type, distance, and direction.)**:** The San Lorenzo River runs north-south about 780 feet east of the site.
***A9. Elevation:** 15ft amsl

**A10. Environmental Setting:** The site is in the extreme lower San Lorenzo River Valley about 0.5 miles north of Monterey Bay and about two miles south of the foothills of the Santa Cruz Mountains of the greater Coast Ranges of western California. The geology of the vicinity is Holocene floodplain. Soils are classified as Baywood loamy sand, 0% to 2% slopes. Native vegetation of the area has been significantly changed by intensive modern development. Currently, the Project area is within an urban setting.

**A11. Historical Information:**
See Continuation Sheet

***A12. Age:** ☐ Prehistoric ☐ Protohistoric ☐ 1542-1769 ☐ 1769-1848 ☑ 1848-1880 ☑ 1880-1914 ☑ 1914-1945 ☐ Post 1945 ☐ Undetermined **Describe position in regional prehistoric chronology or factual historic dates if known:**

**A13. Interpretations** (Discuss data potential, function[s], ethnic affiliation, and other interpretations):
The SRD is likely the last walking surface prior to construction of the current parking lot and has very low data potential. The features are let disturbed and contain historical period domestic artifacts associated with the mid-to-late nineteenth and early-to-mid-twentieth centuries land uses that existed along Lincoln and Cedar Streets at that time. The five features are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid-twentieth century.

**A14. Remarks:** The five features of Locus 1 were evaluated under CRHR and local Criteria. The SRD was not evaluated. See Continuation Sheet

**A15. References** (Documents, informants, maps, and other references): See Continuation Sheet

**A16. Photographs** (List subjects, direction of view, and accession numbers or attach a Photograph Record.): See Continuation sheet for Select Photographs Original Media/Negatives Kept at: Dudek Santa Cruz

***A17. Form Prepared by:** Dudek **Date:** 01/18/2023
Affiliation and Address: 725 Front Street, Suite 400, Santa Cruz, CA 92024

***Required information**

***A4. Features** (Number, briefly describe, indicate size, list associated cultural constituents, and show location of each feature on sketch map.):

Feature 1:
F1 was found in the central portion of Trench 2 just under the gravel fill supporting the asphalt parking surface, at approximately 15 inches below the surface. The cultural layer was very thin (less than 2 inches) in TT 2, and F1 was surrounded by native silty sand that was identified as native soil. The observable dimensions of F1 were 18 inches long, 16 inches wide, and 14 inches thick, however, F1 clearly extended into the east sidewall of TT 2. A 2-inch metal utility pipe bounded F1 on the south side.
Artifacts recovered from F1 included 78 ceramic whiteware sherds, 1 porcelain sherd, 18 glass shards, 7 metal artifacts including nails, 1 safety pin, and various fragments of unidentifiable slag, 29.9 grams of marine shell fragments, and 45 faunal bone specimens (see Table 4). Only six artifacts, all ceramic, were temporally diagnostic (see Exhibit 6 below). They date the feature between 1804 and the 1890s. See Exhibit 1 below for a plan view of F1.

Feature 2:
F2 was also found immediately below the gravel fill supporting the asphalt parking surface. The top of F2 was uncovered at 15 inches below the surface in the southeast corner of TT 2. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents appeared in situ and the feature seems likely to have been dug intentionally as part of one or several dumping events.The observable dimensions of F2 were 26 inches long (East-West) (24 inches in TT2 and 2 inches in TT2a), 20 inches wide (North-South), and 20 inches thick. The feature clearly extended into the south sidewall of TT 2 and TT2a, however. A 2-inch modern metal utility pipe bisected TT 2 between F1 and 2, approximately 14 inches north of F2. No utility trench was visible as the pipe seems to be laying directly in the same native silty sand than both features.

During Phase I excavation and monitoring a total of 171 historic period artifacts, 174 faunal bone specimens, 619.6 grams of avian shell, marine shell, and charcoal were recovered from F2. Specific collected material included 41 ceramic whiteware sherds, 3 porcelain sherds, 1 intact whiteware bowl, 37 glass bottle shards, 21 pane glass shards, 1 canning jar lid shard, 1 intact milk glass button, 2 colorless glass decorative knobs, 5 glass tumbler shards, 1 intact aqua glass bottle, 1 spoon with a bone or ivory handle, 42 miscellaneous slag-covered pieces of hardware, 1 small engraved photo frame, 1 skeleton key, 1 pocketknife, 2 fragments of an etched metal dish, 6 shell button/button fragments, and 12 burned seeds. One soil sample containing charred organic material was also recovered during excavation. Many of the artifacts were temporally diagnostic or bore unique patterns, marks, and/or characteristics. During Dudek's Phase II investigation, an additional 16 historic period artifacts, 63.9 grams of faunal bone, and 3.1 grams of marine shell were recovered. The historic period artifacts consisted of 6 ceramic whiteware sherds, 8 glass shards, a metal bell or funnel, and 1 nail. These artifacts date the feature between 1835 and 1910, similar to Feature 1. See Exhibit 2 below for the feature profile.

Feature 3:
F3 was found immediately below the gravel fill supporting the asphalt parking surface, about 13 inches below the surface. F3 was in the south 3 feet of TT 5. The feature consisted of a concentration of historic refuse intrusive into native silty sand. The feature constituents were generally smaller and sparser that those in F2. While clearly in situ, the feature seems likely to have been created by several dumping events. The observable dimensions of F3 were 36 inches long (East-West), 36 inches wide (North-South), and 13 inches thick. The same 2-inch modern metal utility pipe found in TT 2 extended into TT 5 and ran along the north edge of F3.

A total of 138 historic period artifacts, 994.3 grams of faunal bone, and 24.3 grams marine shell were recovered from F3. Specific collected material included 43 ceramic whiteware sherds, 1 brick fragment, 15 glass bottle shards,1 pane glass shard, 27 nails, 1 spoon with a bone or ivory handle, 48 miscellaneous slag-covered pieces of hardware, 1 bottlecap, 1 fragment from a lock, 2 bullet casings, 1 fragment of slate, and 1 large fragment of pencil lead. A single artifact, a sherd of amethyst glass was temporally diagnostic.This artifact dates the feature between the mid-1870s and the early 1930s. See Exhibit 3 below for a plan view of the feature.

Feature 4:
F4 was exposed in the north sidewall of TT 2a. F4 found deeper than the other features just below the 2-inch modern metal utility pipe, at approximately 30 inches below the surface. The observable dimensions of F4 were 62 inches long (East-West) by 10 inches wide (North-South), and 10 inches thick. The feature clearly extended into the west and north sidewall of TT 2a, however. The long narrow shape of the feature and its location just below the metal utility pipe suggest the features was impacted by installation of the pipe. No well-defined utility trench was visible around the pipe in TT 2a.

A total of 25 historic period artifacts and 188.8 grams of faunal bone were recovered from F4. Specific collected material included 4 ceramic whiteware sherds, 1 porcelain sherds, 1 clay pipe stem fragment, 13 glass bottle shards, 3 miscellaneous slag-covered

***A4. Features *(continued)***

pieces. A total of 25 historic period artifacts and 188.8 grams of faunal bone were recovered from F4. Specific collected material included 4 ceramic whiteware sherds, 1 porcelain sherds, 1 clay pipe stem fragment, 13 glass bottle shards, 3 miscellaneous slag-covered pieces of hardware, 2 fragments of tin cans, 1 fragment of a purse clasp, and 1 decorative metal embellishment. A few of the artifacts were relatively temporally diagnostic or bore unique patterns, marks, and/or characteristics. The recovery from this feature was dominated by nondiagnostic metal items. Only 3 artifacts were temporally diagnostic and date the feature between 1852 to the late-1930s. See Exhibit 4 below.

Feature 5:
F5 was found immediately below the gravel fill supporting the asphalt parking surface in TT 6. The top of F5 was uncovered at about 14 inches below the surface in the southeast corner of TT 6, however the gravel fill in this location was not level, and intruded into the top of Feature 5 to a depth of approximately 23 inches below the surface. The feature consisted of a concentration of historic refuse with three vertical contexts. Context A extended from the uneven top of the feature to about 27 inches and consisted of dark brown sandy loam clearly disturbed by placement of the modern fill. Context B was a layer of black silty clay loam extending from about 27 inches to 32 inches below the surface. Context C was black/dark gray clay loam extending from 32 to 46 inches below the surface. All three contexts appeared intrusive into native silty sand which extended to the bottom of the modern fill in the southeast corner of TT 6. The observable dimensions of F5 were 30 inches long (East-West), 42 inches wide (North-South), and 46 inches thick. The feature clearly extended into the west and south sidewalls of TT 6. The 2-inch modern metal utility pipe traversed F5 at about 28 inches below the surface. The utility trench for the metal pipe was clearly visible within Context B and contains soil from Context A.

A total of 378 historic period artifacts, 578.7 grams of faunal bone, 399.6 grams of marine shell, 9.3 grams of charcoal, and 11.5 grams of burned seeds/fruit pits were recovered from F5. Specific collected material in Context A included 3 ceramic whiteware sherds, 1 salt-glazed tile sherd, 5 clay pipe fragments, 4 sherds of a porcelain toy tea set, 1 sherd of blue-ombre painted porcelain, 14 glass bottle shards, 42 pane glass shards, 1 glass bottle stopper, 1 intact milk glass button, 70 nails, 27 miscellaneous slag-covered pieces of hardware, 1 fragment from a lock, and 2 pieces of a watch or jewelry chain. Specific collected material in Context B included 22 ceramic whiteware sherds, 1 porcelain sherd, 5 clay pipe fragments, 4 sherds of a porcelain toy tea set, 2 porcelain doorknobs, 47 glass bottle shards, 25 pane glass shards, 2 intact glass bottles, 1 glass marble, 78 miscellaneous slag-covered pieces of hardware, 1 large metal handle, 1 possible napkin ring, 1 large spoon, and 1 fragment of saw-cut slate. Additional artifacts were recovered from Context C, specifically 2 ceramic whiteware sherds, 2 porcelain sherds, 2 glass bottle bases, 3 glass champagne flute shards, 2 intact glass bottles, and 1 fragment of saw-cut slate. Only 19 of the 377 artifacts recovered from F5 were temporally diagnostic.These artifacts date the overall feature between 1860 and the late-1930s. There is almost no difference in date ranges between the three contexts found in this location. Specifically, Context A and B were dated between 1860-late 1930s and Context C between 1857-late 1920s. See Exhibit 5 for a profile of the feature.

**A11. Historical Information:**
According to the 1866 Forman and Wright survey, the property comprised part of a 1.5-acre lot that was owned by (Henry) Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. Trust was responsible for the development of each of the residences that fronted his lot along this block of Lincoln Street. In 1866, the Santa Cruz Weekly Sentinel article announcing the completion of the Forman and Wright Survey suggested an extant residence on the lot owned by Trust by this time. It is believed that this is 41 Lincoln Street.

The next record of development on the site took place in November 1867 when the Santa Cruz Weekly Sentinel reported that Trust had a permit to construct a new one-story frame 'dwelling-house' at the cost of $800 with the assistance of builder, John Morrow, and mason, Samuel Sharp. Based on a review of available records, this is the house located at the southwest corner of the present-day intersection of Lincoln and Cedar Streets (40 Lincoln). In 1873, Trust established a bakery, later known as the Pioneer Bakery, and began producing and selling baked goods from his property on Lincoln Street. In 1875, Trust moved a 2-story residence from another property he owned on the corner of Pacific Avenue and Bridge Street (now Soquel Avenue) to his lot on Lincoln Street to provide space for boarders during the busy summer season. Based on the description of the property in conjunction with an available 1886 Sanborn fire insurance map covering the property, this residence was moved to the east of the existing residences (1 Lincoln Street) (City of Santa Cruz 1944: L-2; Weekly Sentinel 1866: p.2, 1867: p.2, 1873a: p.3, 1873b: p.2, 1875: p.4; Sanborn 1886, 1888, 1892, 1905 and 1928).

In addition to the Trust family on the subject property, the land is also associated with numerous residential tenants between 1900 and 1939. Like Trust, the residents do not appear to have been a significant or important persons in our past.information related to the other occupants and/or tenants prior to 1900 has yet to be found. Trust and his wife, Christine, both died in 1899, after which their properties passed to their three children. None of the three adult children occupied the properties after this point and they appear to rent out the properties as housing and restaurant space from this point onward. The two properties were demolished between 1940 and 1947 (Sentinel 1899: p.2; Santa Cruz Surf 1899: p.4).

**A13. Interpretations (Discuss data potential, function[s], ethnic affiliation, and other interpretations):**

Features 1, 2, 3, 4, and 5 are historical period refuse deposits associated with multiple small scale dumping events. Together the Features are designated as Locus 1 of site DUD-LIB-1. The features contain historical period domestic artifacts associated with the mid- to late nineteenth and early to mid-twentieth century land uses that existed along Lincoln and Cedar Streets at that time. The location and characteristics of Locus 1 suggest the five features are examples of parcel-level dumping events indicative of residential refuse disposal behavior prior to centralized refuse collection that began in the mid-twentieth century. While Mr. Trust was a property owner, land developer, and business owner, he does not appear to have been a significant or important person in our past. The land is also associated with numerous residential tenants between 1900 and 1939. Like Trust, the residents do not appear to have been a significant or important persons in our past.

**A14. Remarks: CRHR and Local Significance Evaluation**

**Resource Evaluation**

Site DUD-LIB-1 consists of a sheet refuse deposit and five features. Sheet refuse deposits (SRD) lack integrity and are therefore de facto noncontributing elements to a potentially significant historic resource. However, the five features identified could have potential to elevate the site to the level of a historic resources if they have integrity and the potential to address research questions to establish the resource as a historic resource. All five features identified at Locus 1 at DUD-LIB-1 are evaluated below as potential contributors for historical significance in consideration of CRHR, and local (City of Santa Cruz) designation criteria. Since the dating of the resources clearly shows an association with the late nineteenth century, the evaluations below are presented in the context of the parcel configuration and ownership history as existed at that time. Specifically, Features 1, 2, 3, and 4 share an association with the property at the southeast corner of the intersection of Lincoln and Cedar Streets (previously addressed as 40 Lincoln Street and 25 Lincoln Street). Feature 5 is associated with the adjacent property to the east (previously addressed as 41 Lincoln Street and 23 Lincoln Street).

The significance evaluations were prepared by Dudek archaeologist John Schlagheck, MA, RPA, who meets the Secretary of the Interior's Professional Qualification Standards for historical archaeology. Mr. Schlagheck was assisted by Dudek historian Fallin Steffen, MPS. Ms. Steffen provided the historical research presented below.

**CRHR Statement of Significance**

**CRHR Criterion 1: Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.**

An 1873 article in the Santa Cruz Weekly Sentinel indicates that Andrew Trust was operating a Boarding house on his property addressed as 40 Lincoln Street. At that time, the property contained a one-story, L-shaped wood-frame residential building with a long porch located on the east elevation. Two smaller one-story out-buildings were present along the southern property line where the features 1, 2, 3, and 4 were identified. In 1873, Trust established a bakery, later known as the Pioneer Bakery, and began producing and selling baked goods from his Lincoln Street property. In 1875, Trust moved a 2-story residence from another property he owned on the corner of Pacific Avenue and Bridge Street (now Soquel Avenue) to an adjacent lot on Lincoln Street (41 Lincoln Street), were feature 5 was identified, to provide space for boarders during the busy summer season. No construction date has been found for either structure.

Circa 1930 photographs show the two buildings in disrepair and possibly abandoned. No renters were identified at that time for either building. The two properties were demolished between 1940 and 1947 (Sentinel 1899: p.2; Santa Cruz Surf 1899: p.4). By 1956, historic aerial photography indicates that the buildings had been demolished and a paved parking lot now occupies the site. The five features are therefore associated with residential development in this portion of Santa Cruz that began in the 1860s. However, with an ambiguous period of significance and limited purpose of the two associated structures as single-family homes and/or boarding houses, the features are only generally associated with residential development in Santa Cruz. The features cannot address questions that would suggest a significant contribution to the broad patterns of history in the City of Santa Cruz, Santa Cruz County, or the state. As such DUD-LIB-1 is not eligible for listing to the CRHR under Criterion 1.

**CRHR Criterion 2: Is associated with the lives of persons important in our past.**

To be found eligible under CRHR Criterion 2, the property must be directly tied to the important person and the place where the individual conducted or produced the work for which he or she is known. The five features identified at DUD-LIB-1 are associated with two properties and structures (40 and 41 Lincoln Street) developed and owned by Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. While Mr. Trust was a property owner, land developer, and business owner, he does not appear to have been a significant or important person in our past. The land is also associated with numerous residential tenants between 1900 and 1939. Like Trust, the residents do not appear to have been significant or important persons in our past. As such the DUD-LIB-1 is not recommended as eligible for listing for the CRHR under Criterion 2.

**CRHR Criterion 3: Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.**

Site DUD-LIB-1 contained five features within Locus 1. The features are examples of how residents and business owners disposed of unwanted items and garbage in the late nineteenth and early twentieth century. The features are not structures or buildings. Digging holes in the rear of a parcel to bury refuse was a common behavior at the time. Given the small scale of the deposits, there is no record of the dumping events that created the features or which individuals were responsible for the dumping. As such Features 1, 2, 3, 4, and 5 are not associated with a master in the field of engineering. Consequently, site DUD-LIB-1 lacks significance CRHR Criterion 3.

**CRHR Criterion 4: has yielded, or may be likely to yield, information important in prehistory or history.**

Site DUD-LIB-1 presents evidence of refuse disposal in two forms. One is as a SRD and the second as concentrated features. Since SRDs lack integrity to address questions about the past, the SRD component of the site does not yield important information about the past. Likewise, when considering the five features, they are examples of typical small scale dumping events. There is no evidence to indicate that the five refuse deposits are likely to yield additional information important to history beyond what is already known, such as what people ate, and the types of activities undertaken in residential or boarding house contexts. Therefore, DUD-LIB-1 is not recommended as eligible for the CRHR under Criterion 4.

**City of Santa Cruz Statement of Significance**

**1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation.**

All five features of Locus 1 are examples of how residents and business owners disposed of unwanted items and garbage in the late nineteenth and early twentieth century. Digging holes in the rear of a parcel to bury refuse was a common behavior at the time. Given the small scale of the deposits, there is no record of the dumping events that created the resources or which individuals were responsible for the dumping. As such Features 1, 2, 3, 4, and 5 are not significant examples. Therefore, the resources do not appear eligible under City Criterion 1.

**2. Associated with a significant local, state, or national event.**

As stated above for CRHR Criterion 1, the five features are associated with residential development in this portion of Santa Cruz that began in the early to mid-1800s. However, with an ambiguous period of significance and limited purpose of the two associated structures as single-family homes and/or boarding houses, the resources are only generally associated with residential development in Santa Cruz. The resources do not appear associated with a significant local, state, or national event. Therefore, the resources do not appear eligible under City Criterion 2.

**3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation.**

As stated above for CRHR Criterion 2, the five resources are associated with two properties and structures (40 and 41 Lincoln Street) developed and owned by Andrew Trust, an immigrant from Germany who arrived in Santa Cruz in 1849. While Mr. Trust was a property owner, land developer, and business owner, he does not appear to have been a significant or important person in our past. The land is also associated with numerous residential tenants between 1900 and 1939. Like Trust, the residents do not appear to have been a significant or important persons in our past. Therefore, the resources are not known to have any historical associations with people important to the development of the city, state, or nation, and they do not appear eligible under City Criterion 3.

**4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation.**

Features 1, 2, 3, 4, and 5 are not built environment resources and not associated with any architect, designer, or builder. Therefore, for the resources do not appear eligible under City Criterion 4.

**5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance.**

Features 1, 2, 3, 4, and 5 are not built environment resources and do not possess any special aesthetic merit or value. Therefore, for the resources do not appear eligible under City Criterion 5.

**6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials.**

Features 1, 2, 3, 4, and 5 are not built environment resources and do not possess distinctive stylistic characteristics or workmanship. Therefore, for the resources do not appear eligible under City Criterion 6.

**7.Retains sufficient integrity to accurately convey its significance.**

While the five features do appear to be generally in their original depositional locations, post depositional disturbances are present including installation of a metal utility pipe through the features and grading for the current parking surface, that have impacted the resources and reduces their integrity. Therefore, the resources do not appear eligible under City Criterion 7.

**Integrity**

The integrity of a resource is based upon the historical significance and character defining features. An examination of integrity is typically undertaken only after eligibility is fully established. In this case, none of the resources described above are eligible under any CRHR or local criteria, therefore, the integrity of the resources does not require examination.

**A15. References (Documents, informants, maps, and other references):**

Brady, R., J. Schlagheck, A. Moniz, J. Royer, F. Steffen. 2022. Extended Phase I Archaeological Testing for the Downtown Library Mixed-Use Project, Santa Cruz, California. Submitted to City of Santa Cruz Economic Development Department.

City of Santa Cruz. 1944. Map of Santa Cruz According to the Survey Made by Foreman & Wright 1866.

Küchler, A.W. 1977. Natural Vegetation of California (map). Department of Geography, University of Kansas, Lawrence, Kansas.

SC Weekly Sentinel (Santa Cruz Weekly Sentinel). 1899. “Died”. Newspapers.com: Santa Cruz Sentinel (Santa Cruz, California). November 29, 1899. p. 2.

Sanborn Map Company. 1886. Santa Cruz, California. Sheet 7. Electronic source accessed via the Sacramento Public Library, November 15, 2022.

Sanborn Map Company. 1888. Santa Cruz, California. Sheet 7. Electronic source accessed via the Sacramento Public Library, November 15, 2022.

Sanborn Map Company. 1892. Santa Cruz, California. Sheet 7. Electronic source accessed via the Sacramento Public Library, November 15, 2022.

Sanborn Map Company. 1905. Santa Cruz, California. Sheet 20. Electronic source accessed via the Sacramento Public Library, November 15, 2022.

Sanborn Map Company. 1928. Santa Cruz, California. Sheet 122. Electronic source accessed via the Sacramento Public Library, November 17, 2022.

Santa Cruz Surf. 1899. “Sudden Death of Mrs. Christina Trust”. Newspapers.com: Santa Cruz Surf (Santa Cruz, California). August 28, 1899. p. 4.

Weekly Sentinel (Santa Cruz Weekly Sentinel). 1866. “The Official Survey of Santa Cruz”. Newspapers.com: Santa Cruz Weekly Sentinel (Santa Cruz, California). June 23, 1866. p. 2.

Weekly Sentinel. 1867. “New Buildings in Santa Cruz”. Newspapers.com: Santa Cruz Weekly Sentinel (Santa Cruz, California). November 23, 1867. p. 2.

Weekly Sentinel. 1873a. “Local Items”. Newspapers.com: Santa Cruz Weekly Sentinel (Santa Cruz, California) April 12, 1873. p. 3.

Weekly Sentinel. 1873b. “Pioneer Bakery”. Newspapers.com: Santa Cruz Weekly Sentinel (Santa Cruz, California). May 3, 1873. p. 2.

Weekly Sentinel. 1875. “Removal – Preparing for the Rush.”. Newspapers.com: Santa Cruz Weekly Sentinel (Santa Cruz, California). April 24, 1875. p. 4.

**Exhibit 1: Feature 1 (Trench 2) at 20 inches below surface. View E**

**Exhibit 2: Feature 2 (Trench 2) south profile. View S**

**Exhibit 3: Feature 3 (Trench 5) at 15 inches below surface. View N**

**Exhibit 4: Feature 4 (Trench 2a) at 30 inches below surface. View W**

**Exhibit 5: Feature 5 (Trench 6) south wall profile. View S**

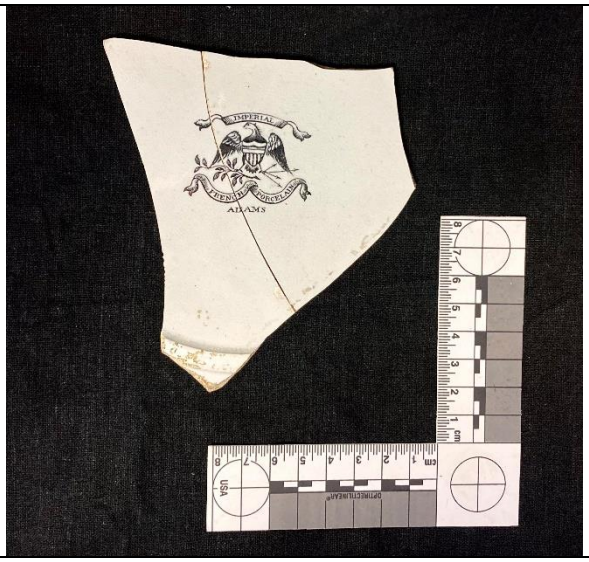
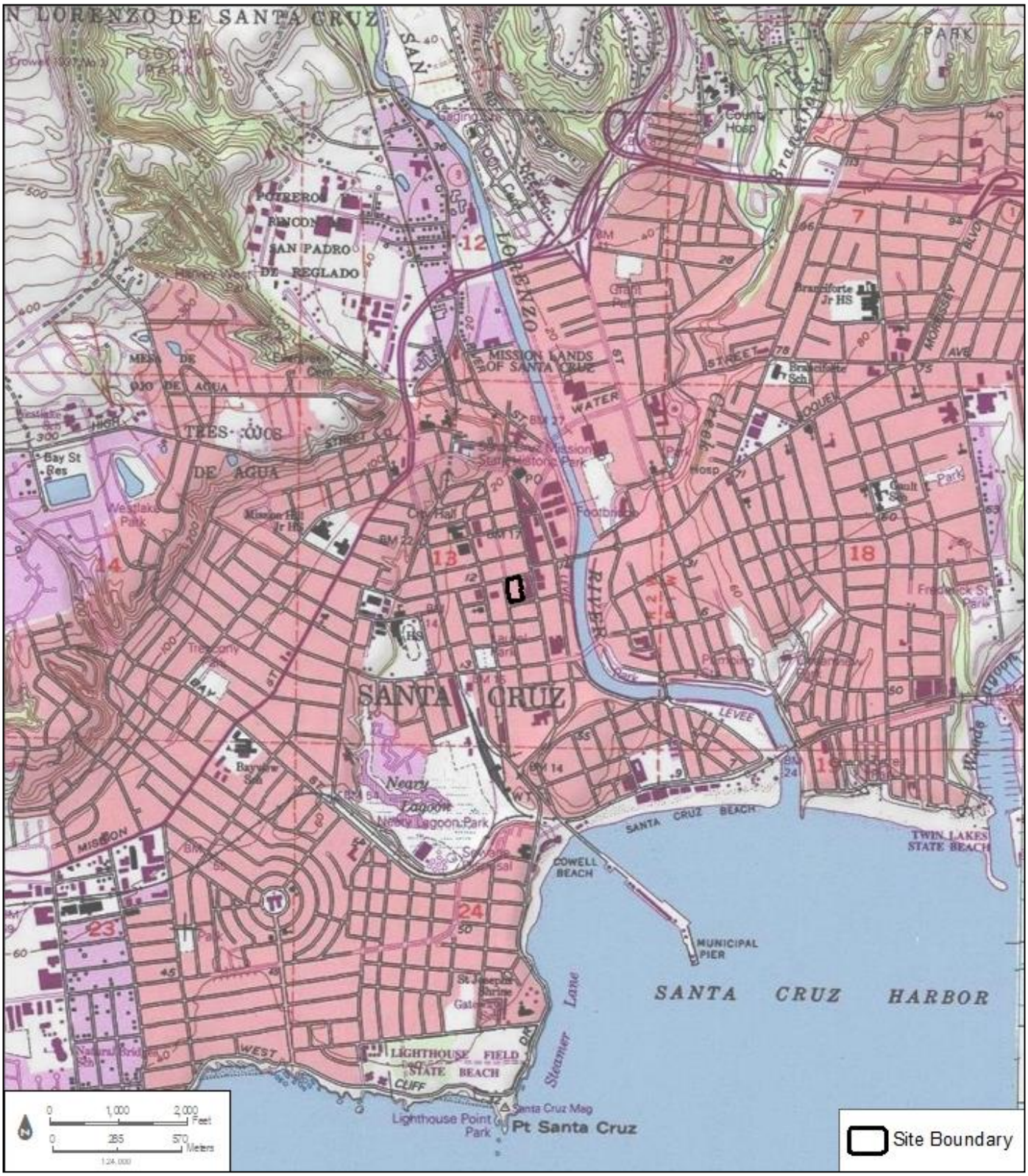



**Exhibit 6: Two base sherds with a complete printed maker's mark from Feature 2 (Cat #95), dated between 1804 and 1840.**

| State of California – The Resources Agency<br>DEPARTMENT OF PARKS AND RECREATION<br>**LOCATION MAP** | Primary #<br>HRI#<br>Trinomial |
|---|---|

**Page** 9 **of** 11 ***Resource Name or #:** DUD-LIB-1

***Map Name:** Santa cruz ***Scale:** 1:24,000 ***Date of Map:** 1994




**DPR 523J (1/95)** ***Required information**

| State of California — The Resources Agency<br>DEPARTMENT OF PARKS AND RECREATION<br>**SKETCH MAP** | Primary #<br>HRI#<br>Trinomial |
|---|---|

**Page** 10 **of** 11 ***Resource Name or #** (Assigned by recorder) DUD-LIB-1

***Drawn By:** Dudek ***Date:** 01/17/2023

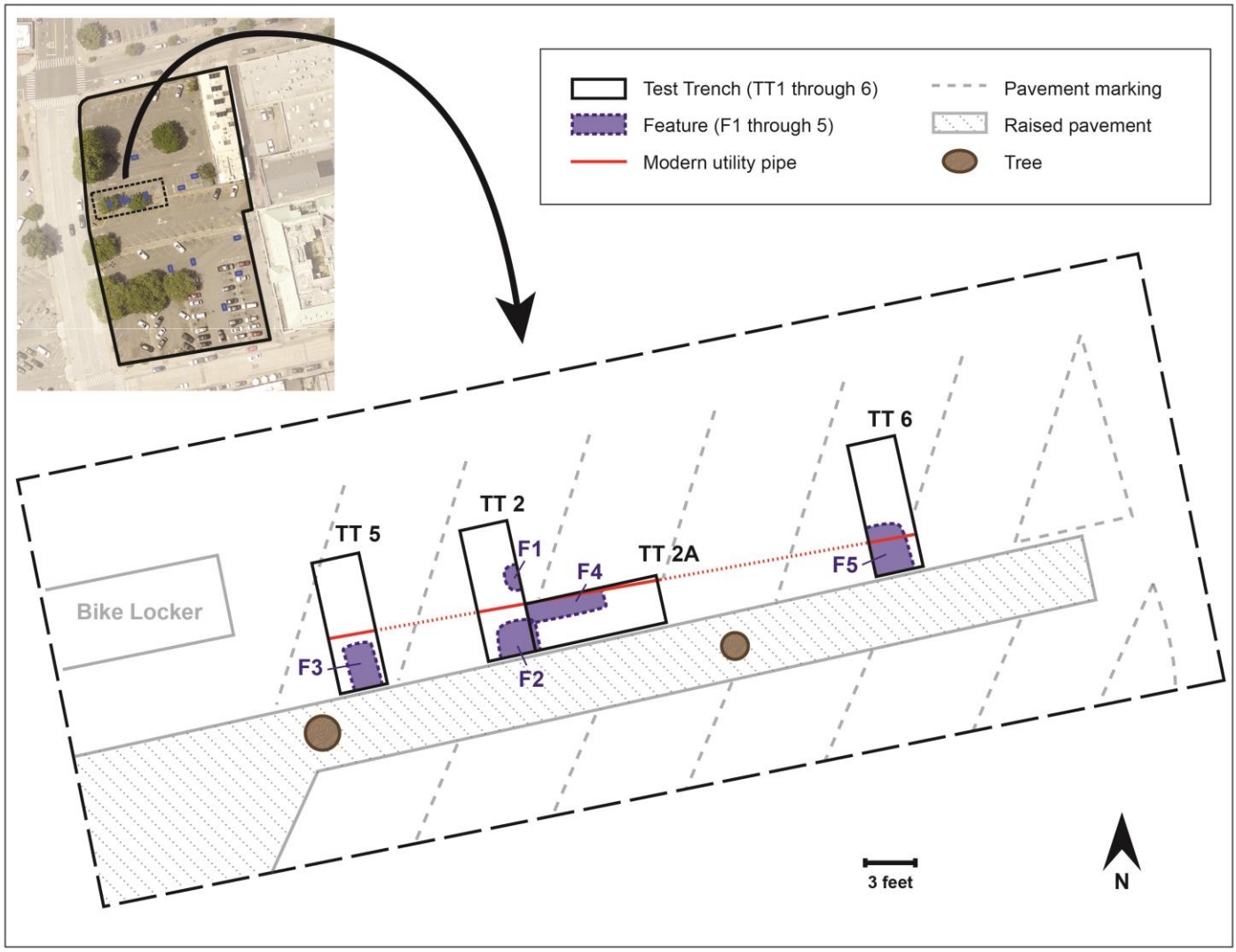
SOURCE: Digital Globe Imagery (accessed 2022), Open Street Map 2019

**DPR 523K (1/95)** ***Required information**

| State of California — The Resources Agency<br>DEPARTMENT OF PARKS AND RECREATION<br>**SKETCH MAP** | Primary #<br>HRI#<br>Trinomial |
|---|---|

**Page** 11 **of** 11 ***Resource Name or #** (Assigned by recorder) DUD-LIB-1

***Drawn By:** Dudek ***Date:** 01/17/2023




**DPR 523K (1/95)** ***Required information**

# Downtown Library Mixed-Use

Santa Cruz, CA

# NOISE IMPACT ANALYSIS

2 February 2023


**Prepared for:** Jim Rendler
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Salter Project 22-0650

## INTRODUCTION

This report summarizes our environmental noise impact analysis for the Downtown Mixed-Use Library project in Santa Cruz. The project consists of a new 307,968 square-foot, 8-story building in the Cedar Street Village Corridor of Downtown Santa Cruz. The project site spans the full block between Lincoln and Cathcart Street. The primary use is an approximately 38,000 square-foot public library facility with a main entrance at the mid-block point on Cedar, and a roof deck at the southwest corner of Cedar and Cathcart. A 16-child (minimum) daycare is proposed immediately adjacent to the library, with the outdoor play yard capitalizing on south and western light. Approximately 10,000 square feet of commercial use is programmed for the three levels at the southwest corner below the library roof deck with a two-story presence at the sidewalk.

The purpose of this study is to address CEQA compliance and potential impact of the project and its operation on property-line noise levels. Following is a summary of findings:

- Project traffic is not expected to significantly increase environmental noise to the surrounding properties.
- Noise impacts from construction and mechanical equipment will either have no impact or can be designed to provide a less-than-significant level as detailed in this report.

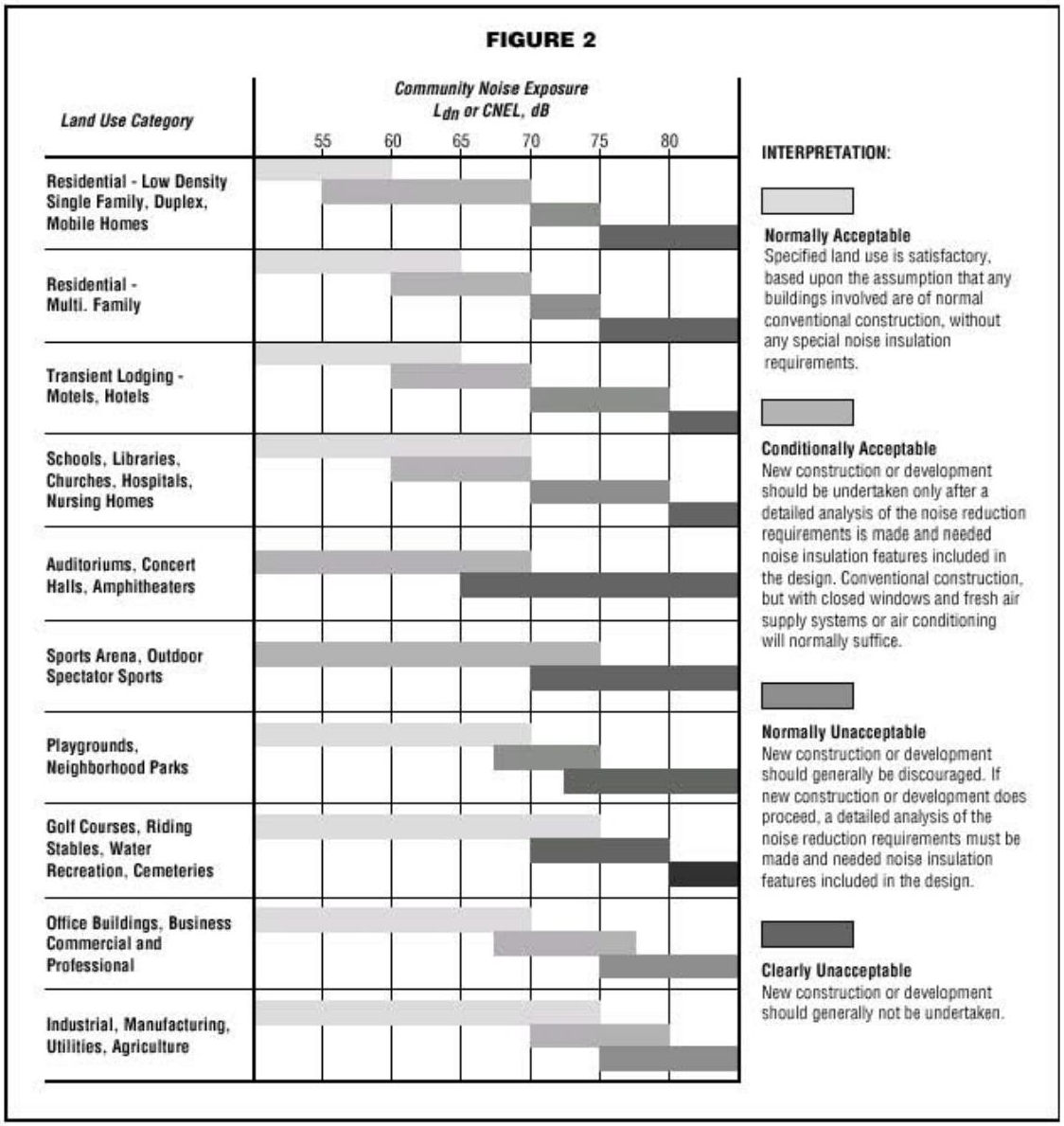
## ACOUSTICAL CRITERIA

The City of Santa Cruz and State of California establish guidelines and policies designed to limit noise exposure at noise-sensitive land uses. In addition, the California Environmental Quality Act (CEQA) provides guidelines used to determine whether a project will have a significant impact on the environment.

### City of Santa Cruz General Plan

Chapter 4.13 (Noise) of the City of Santa Cruz General Plan provides noise and land use compatibility guidelines for proposed developments as summarized below from the General Plan document (Table 4.13-2).

**TABLE 4.13-2**
**Land Use – Noise Compatibility Standards**




**SOURCE:** California Governor's Office of Planning and Research

Section 4.13.3 of the General Plan states:

*In accordance with the California Environmental Quality Act (CEQA), State CEQA Guidelines (including Appendix G), City of Santa Cruz plans, policies and/or guidelines, and agency and professional standards, a project impact would be considered significant if the project would:*

*13a Expose persons to noise levels in excess of "normally acceptable" standards established in the State of California General Plan Guidelines' (2003) "Noise Element Guidelines" for compatible community noise levels;*

*13b Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project if it will expose outdoor activity areas of noise-sensitive land uses to:*

*A 5 dB increase in noise where existing noise levels are below 60 dBA Ldn, or*

*A 3 dB increase in noise where existing noise levels are above 60 dBA Ldn.*

*13c Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project; or*

*13d Expose persons to or generate excessive groundborne vibration.*

## Santa Cruz Noise Ordinance

Noise from the project mechanical equipment is subject to the regulations of the City of Santa Cruz Municipal Code. Section 24.14.260 states the following:

*Noise Limits, Residential Property. No person shall produce, suffer or allow to be produced by any machine, animal or device, or any combination of the same, on residential property, a noise level* ***more than five dBA[1] above the local ambient****. The local ambient shall establish the maximum noise limit. More stringent noise limits may be established for specific uses through the conditions of a use permit.*

## State CEQA Guidelines and Impact Criteria

The California Environmental Quality Act (CEQA) contains guidelines to evaluate the significance of noise attributable to a proposed project. This would include (but is not limited to) added traffic noise, mechanical equipment noise, and construction noise. CEQA asks the following applicable questions. Would the project result in:

1. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?
2. Generation of excessive groundborne vibration or groundborne noise levels?

1 A-Weighted Sound Level – The A-weighted sound pressure level, expressed in decibels (dB). Sometimes the unit of sound level is written as dB(A). A weighting is a standard weighting that accounts for the sensitivity of human hearing to the range of audible frequencies. People perceive a 10 dB increase in sound level to be twice as loud.

3. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public-use airport, would the project expose people residing or working in the project area to excessive noise levels?

CEQA does not define the noise level increase that is considered substantial. Typically, the local general plan would establish limits for allowable noise and vibration increases, as discussed later in this report.

## IMPACT DISCUSSION

**Impact 1: Implementation of the proposed project could result in the generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.**

### Construction Noise

Construction activities would include use of heavy equipment for grading and other activities through completion of buildings and landscaping. Heavy trucks would travel to, from, and within the development areas to move soil, equipment, and building materials. Smaller equipment, such as jack hammers, pneumatic tools, and saws could also be used throughout each of the construction phases in various areas. The noise and vibration associated with these activities would be generated within the entire project area and at off-site locations near any infrastructure improvements.

The following construction equipment and phasing provided to us by Echelcon Inc. is shown in **Table 1**.

Table 1: Construction Phasing and Equipment List

| Construction Phase | Equipment |
|---|---|
| Demolition | Concrete/Industrial saws<br>Excavators<br>Rubber-tired dozers<br>Tractors/Loaders/Backhoes |
| Site Preparation | Graders<br>Rubber-tired Dozers<br>Tractors/Loaders/Backhoes |
| Grading/Excavation | Scrapers<br>Excavators<br>Graders<br>Tractors/Loaders/Backhoes |
| Ground Improvement | Tractors/Loaders/Backhoes<br>Crane for Caissons<br>Bore/Drill Rig |

| Construction Phase | Equipment |
|---|---|
| Building Structure/Exterior | Cement Trucks<br>Cranes<br>Arial Lifts<br>Forklifts<br>Generator Sets<br>Welders |
| Building Interior/Architectural Coating | Air compressor<br>Aerial Lift<br>Man Lift |
| Offsite/Onsite Improvements/Trenching | Cement and Mortar Mixers<br>Pavers<br>Paving Equipment<br>Rollers<br>Skid Steer Loaders<br>Trenchers |

The project is east of Cedar Street spanning the block from Lincoln Street to Cathcart Street. Existing commercial properties border the project to the east (along Pacific Avenue). The nearest residences are across Cedar Street approximately 155 feet away. Based on the construction phases and equipment list, estimated construction noise levels are expected to be as shown in **Table 2**. Some activities could be located closer for shorter periods of time, such as for site infrastructure.

**Table 2: Estimated Construction Noise Levels**

| Phase | Estimated Maximum Instantaneous $L_{max}$ Noise Level (dBA at 50 feet) | Estimated Maximum Hourly $L_{eq}$ Noise Level (dBA at 50 feet)[2] | Estimated Maximum Hourly $L_{eq}$ Noise Level (dBA at 155 feet) |
|---|---|---|---|
| Demolition | 85 | 78 | 68 |
| Site Preparation | 86 | 82 | 72 |
| Grading/Excavation | 88 | 84 | 74 |
| Ground Improvement | 88 | 80 | 70 |
| Building Structure/Exterior | 88 | 82 | 73 |
| Building Interior/ Architectural Coating | 86 | 80 | 70 |
| Offsite/Onsite Improvements/Trenching | 88 | 85 | 75 |

2 Construction noise levels are calculated using the equipment noise levels and acoustical usage factors from Section 9 of the Federal Highway Administration Highway Traffic Noise Construction Noise Handbook.

The hourly $L_{eq}$ noise levels[3] in **Table 2** are calculated from the center of the site and assume construction activities would remain in the same location, which is a conservative estimate. Actual construction noise levels will vary based on distance from the receiver and shielding from adjacent buildings and construction elements.

The following list of measures are recommended to reduce the impact of construction noise on neighbors:

- Equip all internal combustion engine-driven equipment with mufflers, which are in good condition and appropriate for the equipment.
- Locate stationary noise-generating equipment as far as possible from sensitive receptors when adjoining construction sites. Construct temporary noise barriers or partial enclosures to acoustically shield such equipment where feasible.
- Prohibit unnecessary idling of internal combustion engines.
- Use back-up beepers only when required by law. Spotters or flaggers should be used in lieu of back-up beepers to direct backing operations when allowable.
- Minimize drop height when loading excavated materials onto trucks.
- Minimize drop height when unloading or moving materials on-site.
- Locate noisy equipment within the building structure once the exterior facade is installed.
- Route construction related traffic along major roadways and away from sensitive receptors where feasible.

The City of Santa Cruz General Plan 2030 states the following conclusion to the temporary increase in noise levels due to construction:

> *Adoption and implementation of the proposed General Plan 2030 would not directly result in new development, but new development accommodated by the plan would result in construction of varying sound level and duration, which could be an annoyance to adjacent residents. With implementation of the proposed General Plan 2030 includes goals, policies and actions that set forth measures to minimize exposure construction noise levels, the increase in temporary noise levels from construction-related activities would be considered less-than-significant.*

## Project Mechanical Equipment Noise

The library will be fully air-conditioned, and heating, ventilating, and air-conditioning units could be located in areas exposed to adjacent property lines. Based on previous measurements near the project site (October 2021), we determined that the lowest hourly $L_{eq}$ noise level is 43 dBA, which represents the ambient noise level. Therefore, based on Municipal Code Section 24.14.260, the property line noise criterion for the project mechanical equipment is 48 dBA (i.e., ambient noise level plus five).

3 $L_{eq}$ – The equivalent steady-state A-weighted sound level that, in a stated period of time, would contain the same acoustic energy as the time-varying sound level during the same period.

We received the following mechanical equipment noise levels to use in our analysis:

- Hot water pumps – 59 dBA sound pressure level at 1 meter
- Chilled water pumps – 62 dBA sound pressure level at 1 meter
- Air-handling units – 79 dBA sound power level
- Air-sourced heat pumps – 74 dBA sound pressure level at 1 meter
- Exhaust fan – 77 dBA sound power level
- Condensing units – 48 dBA sound pressure level at 1 meter

The project mechanical equipment will be limited to the roof and to the area between the library mezzanine and future residential community patio.

Our preliminary calculations indicate that noise levels from the mechanical equipment to the property lines to be as shown in **Table 3**. We have also included the calculated mechanical equipment noise level at the nearest residential property (517 Cedar Street). Our analysis includes shielding provided by the library mezzanine and residential portion of the project.

Table 3: Calculated Equipment Noise Levels

| Property Line | Equipment Noise Level (dBA) | Equipment + Ambient Noise Level (dBA) | Criterion (dBA) |
|---|---|---|---|
| North | 34 | 44 | 48 |
| East | 37 | 44 | |
| South | 40 | 45 | |
| West | 44 | 47 | |
| Nearest Residence | 41 | 45 | |

Depending on the final placement, as well as any parapets, barriers, and shielding (which would reduce noise levels at the property line), noise levels may vary. An acoustical engineer should review the design as it is developed to confirm noise levels and determine if additional design recommendations are required. However, the potential noise increases related to mechanical equipment is below the threshold considered in the General Plan 2030 EIR for potentially significant impacts

## Traffic Noise

The project traffic consultant (Kimley Horn) provided a trip generation study for the entire project dated 23 December 2022. This study concluded that the library would result in a net increase of 52 new trips (vehicles) occurring during the AM peak-hour and 338 new trips occurring in the PM peak-hour. Overall, the library would result in a net increase of 2,653 daily trips. However, applying a 40% reduction for mixed-use development in Downtown Santa Cruz per the Santa Cruz Downtown Recovery Plan Amendment results in a net increase of 1,592 daily trips.

Additionally, the memo dated 6 August 2022 outlining the traffic analysis scope of work specifies that the majority of trips for the library component of the project would be limited to the primary access point and the immediately adjacent intersections, since the existing library is four blocks away. An analysis of existing versus existing plus project conditions shows an increase of less than 3 dB at all intersections studied, which is a less-than-significant increase in noise. The data provided in the cumulative buildout volumes for the City of Santa Cruz at nearby intersections shows an increase of 3 dB from existing to cumulative without the project for one intersection segment (#2 West). The cumulative plus project increase is 4 dB, however, this is due to the cumulative increase without the project, and is not a result of the subject project. Therefore, the addition of this project would not contribute to a significant increase in noise levels, and any potential noise increases related to cumulative plus project is below the threshold considered in the General Plan 2030 EIR for potentially significant impacts. See **Appendix A** for traffic noise calculation tables.

**Impact 2: Implementation of the proposed project could result in the generation of excessive groundborne vibration or groundborne noise levels.**

Primary vibration producing construction activities are likely to occur during demolition and site preparation with the use of dozers and drilling to clear the site and prepare the foundation of the buildings. Pile driving is not expected. The California Department of Transportation (Caltrans) Transportation and Construction Vibration Guidance Manual[4] indicates that the risk of damage to "normal dwelling houses" may begin to occur at a limit of 0.2 in/sec PPV for transient vibration events. For continuous vibration, human annoyance may begin to occur at a limit of 0.1 in/sec PPV.

The nearest residential structures are located approximately 155 feet from the project site. The majority of the construction will occur setback from this property line. **Table 4** below indicates potential construction vibration levels of various pieces of equipment at 25 feet and 155 feet.

**Table 4: Estimated Construction Vibration Levels**

| Equipment | Reference Vibration Level at 25 feet (in/sec PPV) | Reference Vibration Level at 155 feet (in/sec PPV) |
|---|---|---|
| Large Bulldozer | 0.089 | 0.012 |
| Caisson Drilling | 0.089 | 0.012 |
| Loaded Trucks | 0.076 | 0.010 |
| Jackhammer | 0.035 | 0.005 |
| Small Bulldozer | 0.003 | 0.001 |
| Excavator | 0.020 | 0.003 |

As indicated in **Table 4**, vibration levels are not expected to exceed the 0.1 in/sec PPV threshold for human annoyance, or the 0.2 in/sec PPV threshold for damage to "normal dwelling houses" at the

4 Transportation and Construction Vibration Guidance Manual April 2020 (Caltrans document)

nearest residential properties. At receptors further setback, vibration levels would be expected to be even lower. Groundborne noise would also not be expected to be significant at these vibration levels.

**Impact 3: Implementation of the proposed project could expose people residing or working in the project area to excessive noise levels within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public-use airport.**

The project site is not located in the vicinity of a private airstrip or airport land-use plan.

## APPENDIX A

### Existing vs. Existing Plus Project AM

| Intersection | Segment | Existing | Existing Plus Project | Change in Noise Level (Ldn, dBA) |
|---|---|---|---|---|
| 1 | North AM | 538 | 553 | <1 |
| | South AM | 783 | 822 | <1 |
| | East AM | 580 | 608 | <1 |
| | West AM | 235 | 239 | <1 |
| 2 | North AM | 760 | 799 | <1 |
| | South AM | 329 | 690 | 0 |
| | East AM | 0 | 0 | 0 |
| | West AM | 157 | 207 | 1 |
| 3 | North AM | 78 | 82 | <1 |
| | South AM | 230 | 236 | <1 |
| | East AM | 181 | 230 | 1 |
| | West AM | 157 | 216 | 1 |
| 4 | North AM | 251 | 264 | <1 |
| | South AM | 266 | 277 | <1 |
| | East AM | 151 | 175 | <1 |
| | West AM | 0 | 0 | 0 |
| 5 | North AM | 0 | 82 | N/A* |
| | South AM | 0 | 0 | 0 |
| | East AM | 158 | 217 | 1 |
| | West AM | 158 | 181 | <1 |

**Segment is project driveway that does not currently exist*

## Existing vs. Existing Plus Project PM

| Intersection | Segment | Existing | Existing Plus Project | Change in Noise Level (Ldn, dBA) |
|---|---|---|---|---|
| 1 | North PM | 937 | 985 | <1 |
| | South PM | 1238 | 1367 | <1 |
| | East PM | 884 | 979 | <1 |
| | West PM | 419 | 433 | <1 |
| 2 | North PM | 1222 | 1350 | <1 |
| | South PM | 1112 | 1146 | <1 |
| | East PM | 0 | 0 | 0 |
| | West PM | 340 | 502 | 2 |
| 3 | North PM | 187 | 201 | <1 |
| | South PM | 349 | 369 | <1 |
| | East PM | 339 | 500 | 2 |
| | West PM | 295 | 490 | 2 |
| 4 | North PM | 500 | 541 | <1 |
| | South PM | 428 | 462 | <1 |
| | East PM | 270 | 345 | 1 |
| | West PM | 0 | 0 | 0 |
| 5 | North PM | 0 | 269 | N/A* |
| | South PM | 0 | 0 | 0 |
| | East PM | 296 | 491 | 2 |
| | West PM | 296 | 370 | <1 |

**Segment is project driveway that does not currently exist*

## Existing vs. Cumulative vs. Cumulative Plus Project PM[5]

| Intersection[6] | Segment | Existing | Cumulative | Cumulative Plus Project | Change in Noise Level (Ldn, dBA) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Existing vs. Cumulative | Cumulative vs. Cumulative Plus Project | Existing vs. Cumulative Plus Project |
| 1 | North PM | 937 | 1589 | 1637 | <3 | <1 | <3 |
| | South PM | 1238 | 2003 | 2132 | <3 | <1 | <3 |
| | East PM | 884 | 1589 | 1684 | <3 | <1 | <3 |
| | West PM | 419 | 811 | 825 | <3 | <1 | <3 |
| 2 | North PM | 1222 | 1884 | 2012 | 2 | <1 | <3 |
| | South PM | 1112 | 1601 | 1635 | 2 | <1 | 2 |
| | East PM | 0 | 0 | 0 | 0 | 0 | 0 |
| | West PM | 340 | 737 | 899 | 3 | <1 | 4 |

5 Cumulative traffic volumes are only available for the PM peak hour.

6 Cumulative Plus Project traffic volumes are only available at Intersections 1 and 2.

*Transportation Impact Study*

# Downtown Library and Affordable Housing Project
## Santa Cruz, California

***DRAFT***
December 23, 2022

**Prepared for:**

City of Santa Cruz

**Prepared by:**

Kimley»Horn

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Sacramento, California 95814

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# EXECUTIVE SUMMARY

This report documents the results of a transportation impact study completed for the Santa Cruz Library project (the "proposed project", or "project"). The project proposes to construct a 38,086 square-foot library, a parking garage containing up to 400 spaces, 9,598 square-feet of commercial uses, a 1,905 square-foot day care, and 124 low-income residential dwelling units on the lot that includes one building located at 119 Lincoln Street and also City Parking Lot 4 at 600-698 Cedar Street in Santa Cruz, California. Access to the project site will be provided via one (1) proposed connection to an existing roadway, Cathcart Street.

This study was performed in accordance with the scope of work approved by the City of Santa Cruz, and in a manner consistent with the City of Santa Cruz's *Transportation Study Requirements for Development*. The following transportation facilities were included in this evaluation:

Intersections:

1. Front Street @ Soquel Avenue
2. Front Street @ Cathcart Street
3. Cathcart Street @ Pacific Avenue
4. Cathcart Street @ Cedar Street
5. Cathcart Street @ Project Driveway (plus Project scenarios only)

Based on the City's requirements, this transportation study was conducted for the study facilities for No Project under an Existing (2022) scenario and Plus Project conditions under Existing (2022) and Cumulative (2042) scenarios.

Significant findings of this study include:

- The proposed project is estimated to generate 2,144 new daily trips with 82 new trips occurring during the AM peak-hour and 269 new trips occurring during the PM peak-hour.
- As defined by the City, the addition of the proposed project to the Existing (2022) and Cumulative (2042) scenarios does not result in any of the study facilities operating below acceptable City LOS thresholds.
- Except for the northbound right movement at the Soquel Avenue intersection with Front Street (Intersection #1) and the eastbound right movement at the Cathcart intersection with Front Street (Intersection #2), the project does not cause any queue lengths to exceed the available storage or increase queue lengths that are deficient without the addition of the project. The northbound right movement at Intersection #1 is shared with the second through lane (shared through-right) and so the through trips affect the queue length at this intersection. As there is significant storage for the approach as a whole (one lane into two at the intersection) it is not anticipated that any safety issues will arise with this increased queue length. For the eastbound right movement at Intersection #2, while the 95th percentile queue exceeds the available storage, the average queue length is only 14-feet. In addition, the project only adds 4 trips per hour at this movement or one vehicle every 15 minutes. Therefore, no safety issues are anticipated at this intersection either due to the identified queue length with the addition of the project.

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# INTRODUCTION

This report documents the results of a transportation impact study completed for the Santa Cruz Library project (the "proposed project", or "project"). The project proposes to construct a 38,086 square-foot library, a parking garage containing up to 400 spaces, 9,598 square-feet of commercial uses, a 1,905 square-foot day care, and 124 low-income residential dwelling units on the lot that includes one building located at 119 Lincoln Street and also City Parking Lot 4 at 600-698 Cedar Street in Santa Cruz, California. Access to the project site will be provided via one proposed connection to an existing roadway, Cathcart Street.

This study was performed in accordance with the scope of work approved by the City of Santa Cruz, and in a manner consistent with the City of Santa Cruz's *Transportation Study Requirements for Development*. The remaining sections of this report document the proposed project, analysis methodologies, deficiencies and improvements, and general study conclusions.

# PROJECT DESCRIPTION

The project proposes to construct a 38,086 square-foot library, a parking garage containing up to 400 spaces, 9,598 square-feet of commercial uses, a 1,905 square-foot day care, and 124 low-income residential dwelling units on the lot that includes one building located at 119 Lincoln Street and also City Parking Lot 4 at 600-698 Cedar Street in Santa Cruz, California. Access to the project site will be provided via one proposed connection to an existing roadway, Cathcart Street. The project location is shown in **Figure 1** and the project site plan is shown in **Figure 2**. The following transportation facilities are included in this evaluation:

Intersections:

1. Front Street @ Soquel Avenue
2. Front Street @ Cathcart Street
3. Cathcart Street @ Pacific Avenue
4. Cathcart Street @ Cedar Street
5. Cathcart Street @ Project Driveway

Based on the City's requirements, this transportation study was conducted for the study facilities for No Project under an Existing (2022) scenario and Plus Project conditions under Existing (2022) and Cumulative (2042) scenarios.

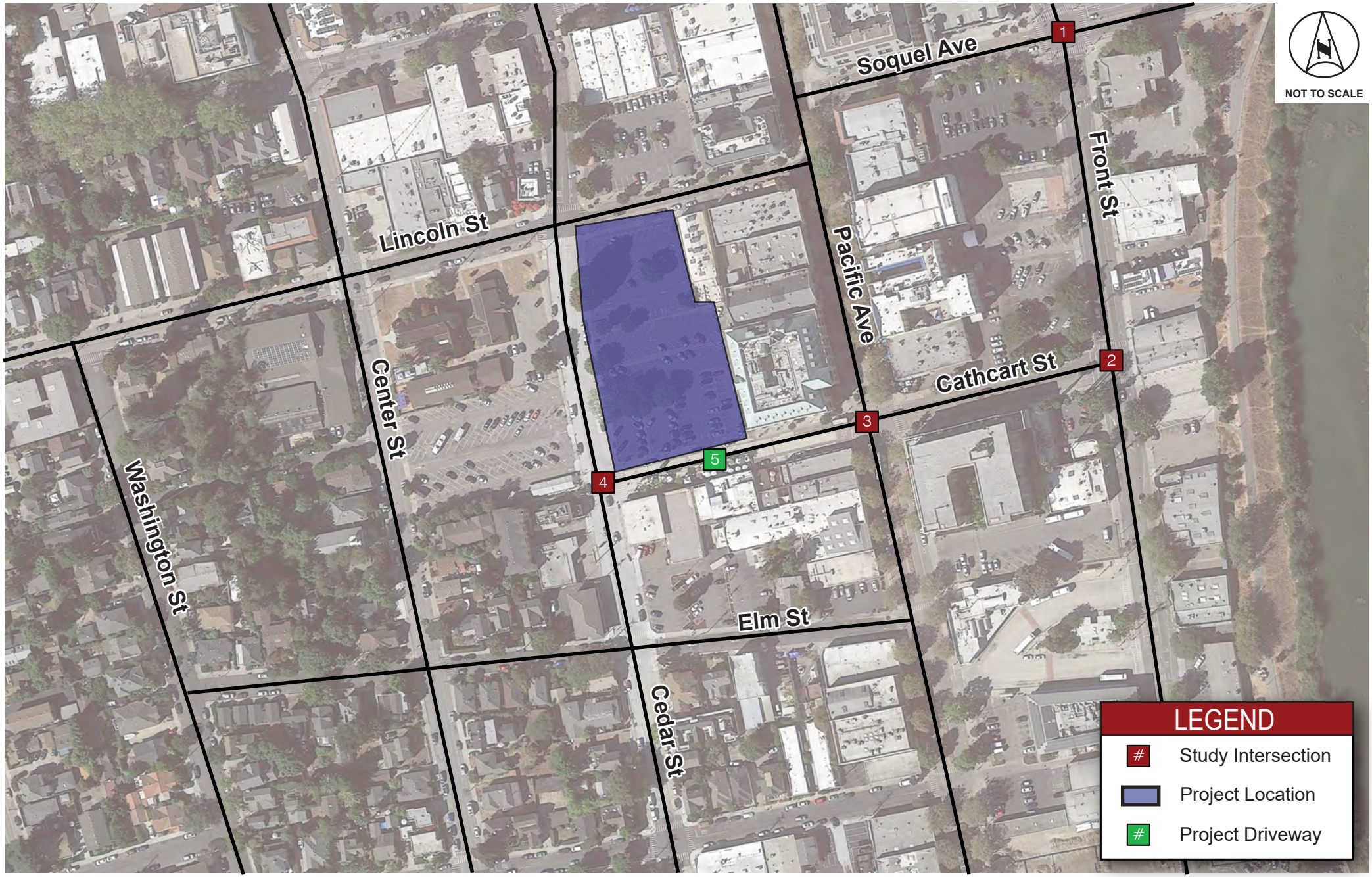
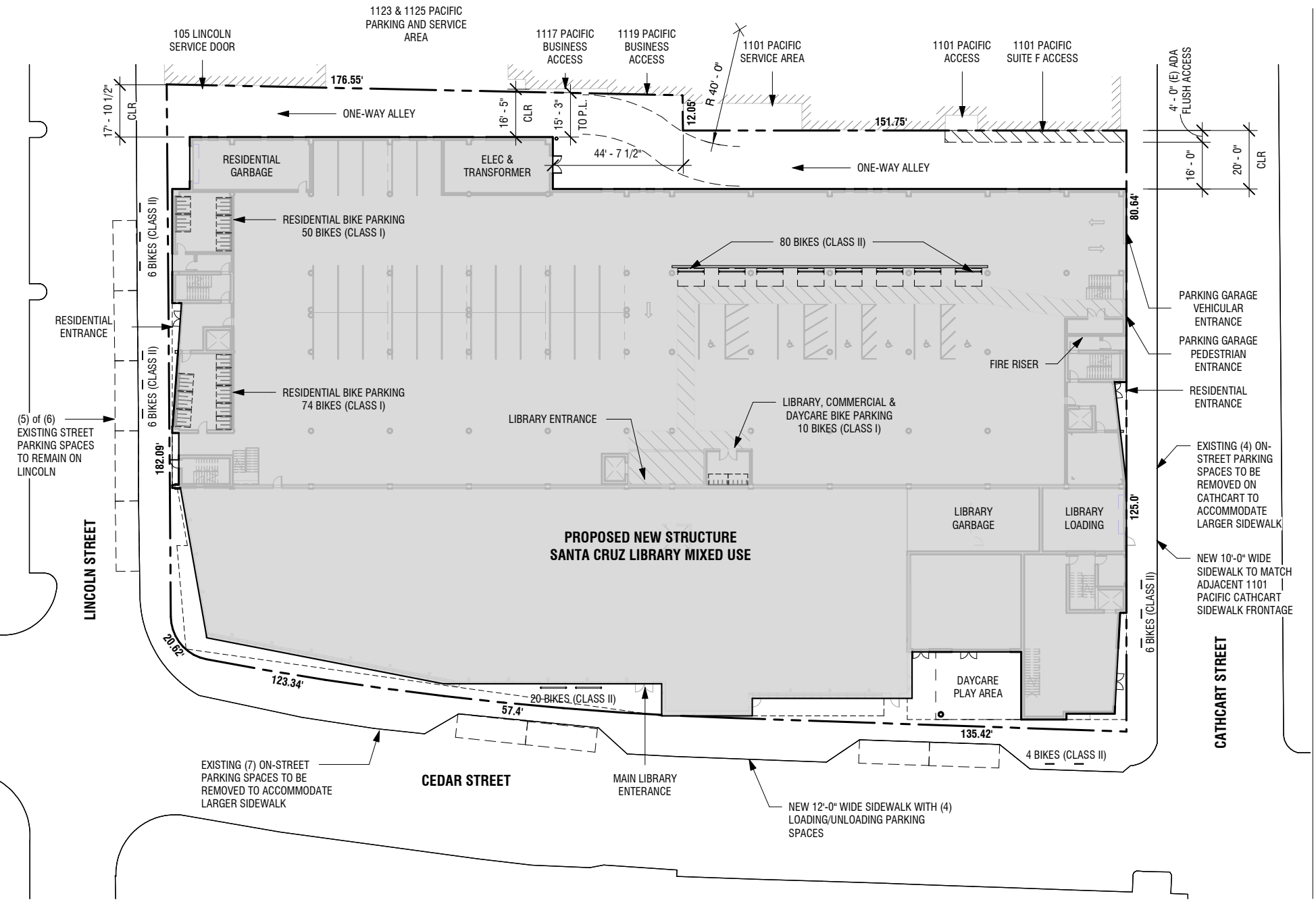





*Figure 1*
*Project Vicinity Map*

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SANTA CRUZ, CALIFORNIA
08/16/2022



*Figure 2*
*Project Site Plan*

## PROJECT AREA ROADWAYS

The following are descriptions of the primary roadways in the vicinity of the project:

Soquel Avenue is an east-west principal arterial roadway that provides a primary connection between the east and west sides of Santa Cruz. The four-lane roadway carries approximately 15,300 vehicles per day[1] (vpd) between Pacific Avenue and Water Street in the vicinity of the proposed project location.

Front Street is a north-south minor arterial roadway that provides a primary connection from the project street (Cathcart Street) to Soquel Avenue. Between Laurel Street and River Street, Front Street carries approximately 13,800 vpd[1] with two through lanes in the Southbound direction and one through lane in the Northbound direction.

Cedar Street is a two-lane north-south collector roadway that runs from Center Street and ends at Sycamore Street. Cedar Street carries approximately 6,600 vpd[1] between Laurel Street and Lincoln Street.

Pacific Avenue is a two-lane north-south collector roadway that runs from Beach Street and ends at Water Street. Pacific Avenue is a one-way street between Cathcart Street and Church Street. Pacific Avenue carries approximately 3,400 vpd[1] between Laurel Street and Water Street.

## ASSESSMENT OF PROPOSED PROJECT

### Proposed Project Trip Generation and Assignment

The number of trips anticipated to be generated by the proposed project was approximated using data included in the *ITE Trip Generation Manual, 11th Edition*. The proposed project trip generation for the weekday AM and PM peak-hours is presented in Table 1. As shown in Table 1, the proposed project is estimated to generate 2,144 new daily trips with 82 new trips occurring during the AM peak-hour and 269 new trips occurring during the PM peak-hour.

As seen in Table 1, trips associated with the existing gym (Health/Fitness Club, ITE Land Use 492) were removed from the Net External Project Trips as directed by City of Santa Cruz staff. This is due to the proposed project replacing this existing gym when it is constructed. Therefore, these trips are already on the network and were included as part of the traffic counts collected.

Table 1 – Proposed Project Trip Generation

| Land Use (ITE Code) | # Unit(s) / ksf | Daily Trips | AM Peak-Hour | | | | | PM Peak-Hour | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Total Trips | IN | | OUT | | Total Trips | IN | | OUT | |
| | | | | % | Trips | % | Trips | | % | Trips | % | Trips |
| Library (590) | 38.1 | 2,653 | 52 | 71% | 37 | 29% | 15 | 338 | 48% | 162 | 52% | 176 |
| Day Care Center (565) | 1.9 | 91 | 21 | 52% | 11 | 48% | 10 | 21 | 48% | 10 | 52% | 11 |
| Strip Retail Plaza (<40k) (822) | 9.6 | 635 | 28 | 61% | 17 | 39% | 11 | 76 | 50% | 38 | 50% | 38 |
| Multifamily Housing (Mid-Rise) (221) | 124 | 545 | 43 | 23% | 10 | 77% | 33 | 49 | 61% | 30 | 39% | 19 |
| **Gross Project Trips** | | **3,924** | **144** | **-** | **75** | **-** | **69** | **484** | **-** | **240** | **-** | **244** |
| ***Reductions*** | | | | | | | | | | | | |
| *Health/Fitness Club (492)*[1] | *5.3* | *-350* | *-7* | *23%* | *-4* | *49%* | *-3* | *-35* | *57%* | *-20* | *43%* | *-15* |
| *40% Reduction for Downtown Area*[2] | | *-1,430* | *-55* | *-* | *-28* | *-* | *-27* | *-180* | *-* | *-88* | *-* | *-92* |
| ***Net External Project Trips:*** | | **2,144** | **82** | **-** | **43** | **-** | **39** | **269** | **-** | **132** | **-** | **137** |

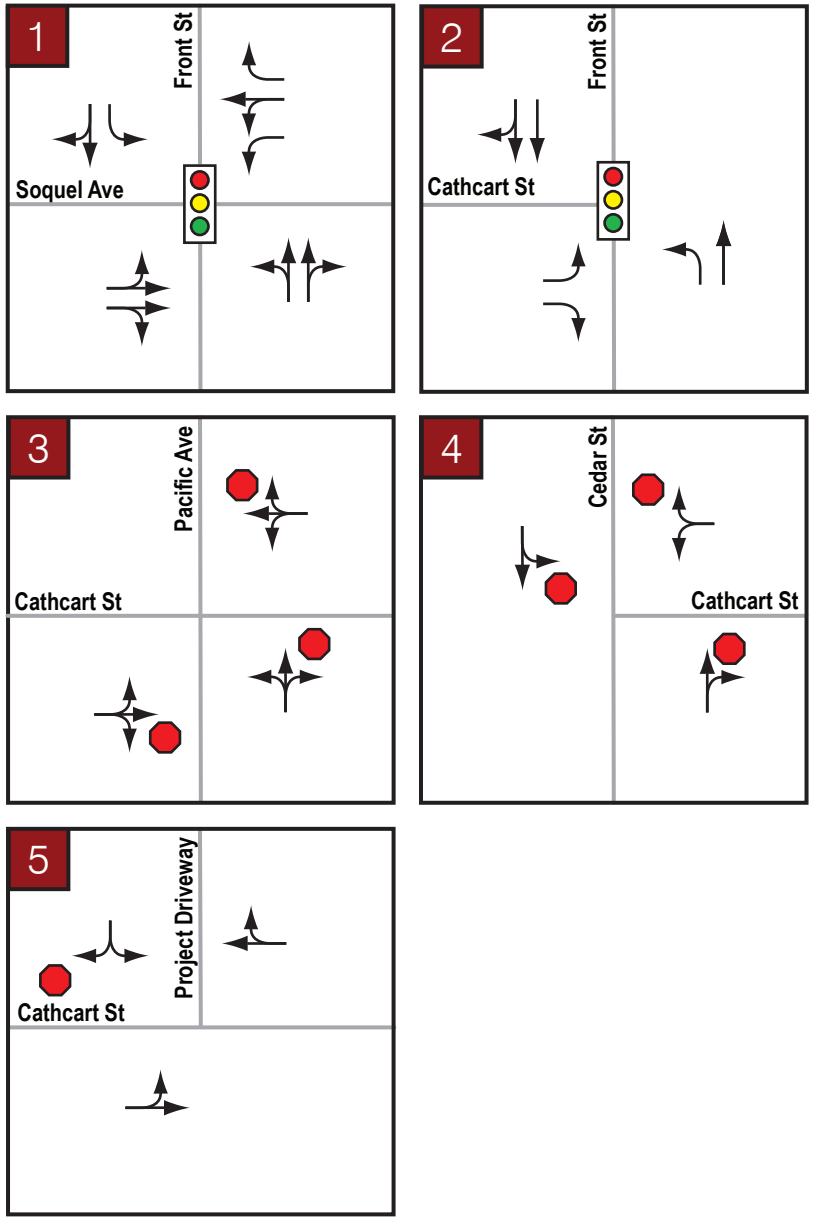
*Source: Trip Generation Manual, 11th Edition, ITE.*
*[1] Calculated under the basis that PM peak-hour represents 10% of daily trips. Daily trip generation numbers are not provided for this or similar Land Uses in ITE 11th Edition.*
*[2] 40% reduction for mixed use development in Downtown Santa Cruz per Santa Cruz Downtown Recovery Plan Amendment - Traffic Study, May 2017, Kimley-Horn and Associates. The reduction is generated by proximity to the Transit Center, mixed use internal capture, bicycle use, and walking trips. 40% reduction is applied to Project trips less existing fitness center trip reduction.*

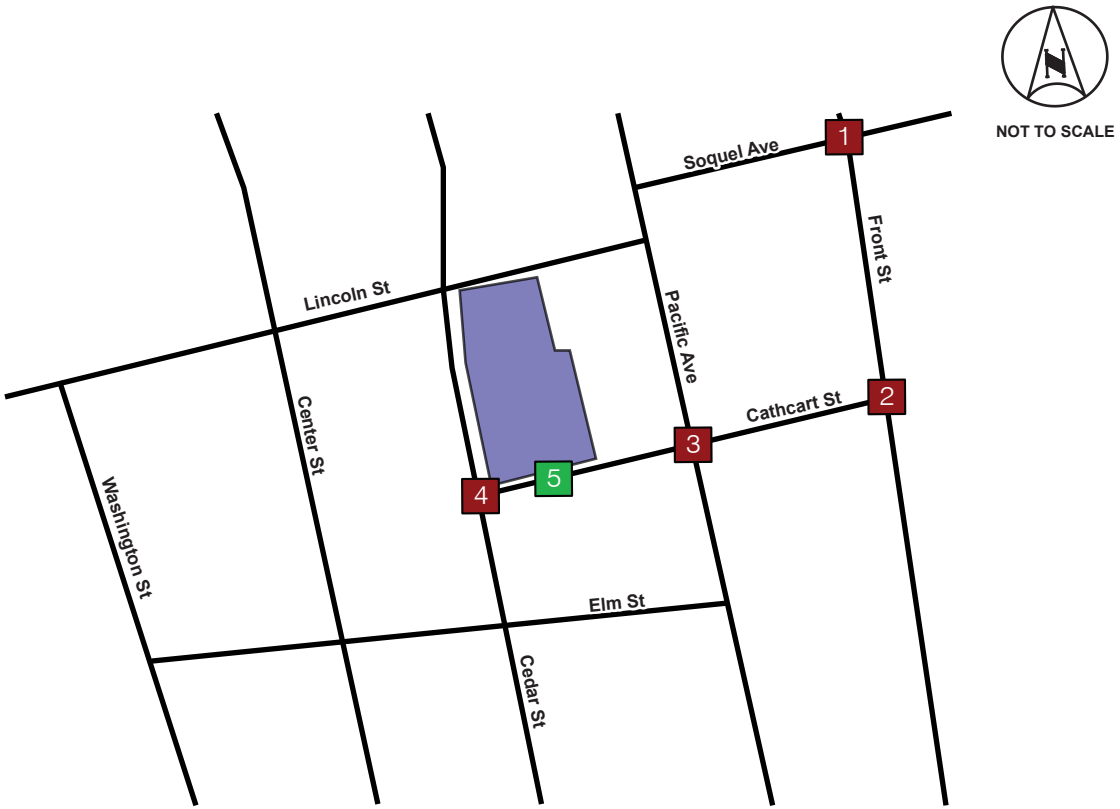
[1] *Santa Cruz County Average Daily Traffic Counts*, Santa Cruz County Regional Transportation Commission, 2015

Project traffic was distributed and assigned to the roadway network using a combination of existing traffic conditions and engineering judgement. Trip distributions were reviewed by the City of Santa Cruz in the *Trip Generation and Distribution*[2] memo submitted to the City on September 12, 2022. The proposed project trip AM and PM distribution percentages are provided in **Figure 3**. **Figure 4** depicts the study intersections' facilities, existing traffic control, and existing lane configurations. The assignment of AM and PM peak-hour project trips is depicted in **Figure 5**.

[2] *Santa Cruz Library Trip Generation and Distribution*, Kimley-Horn, September 2022

*Figure 3*
*Project Trip Distribution*



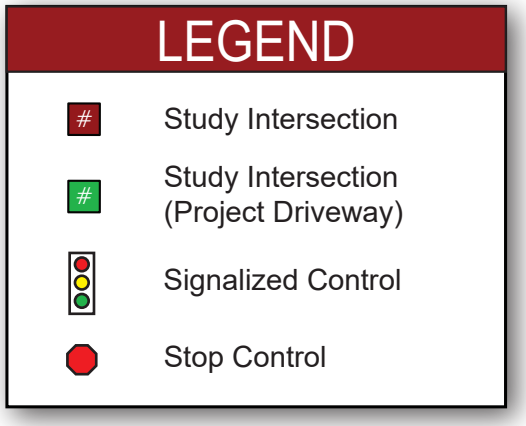
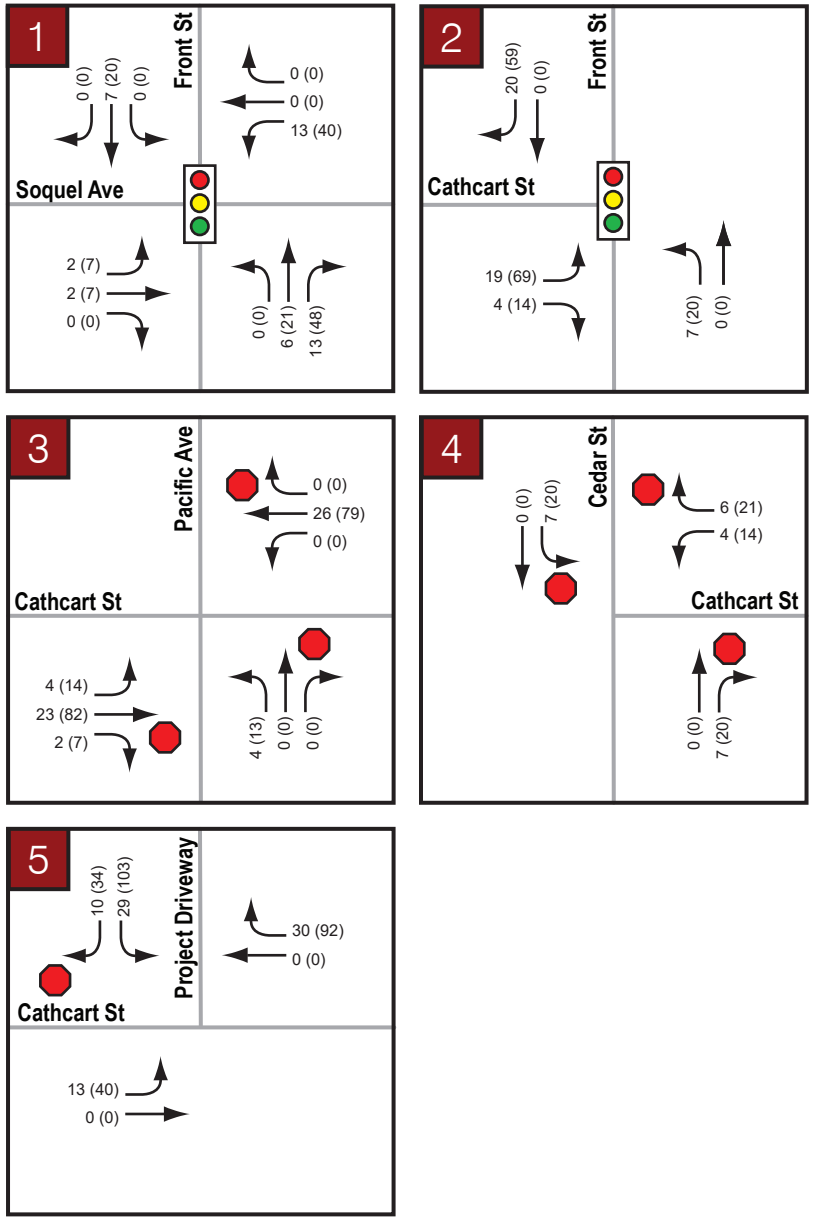
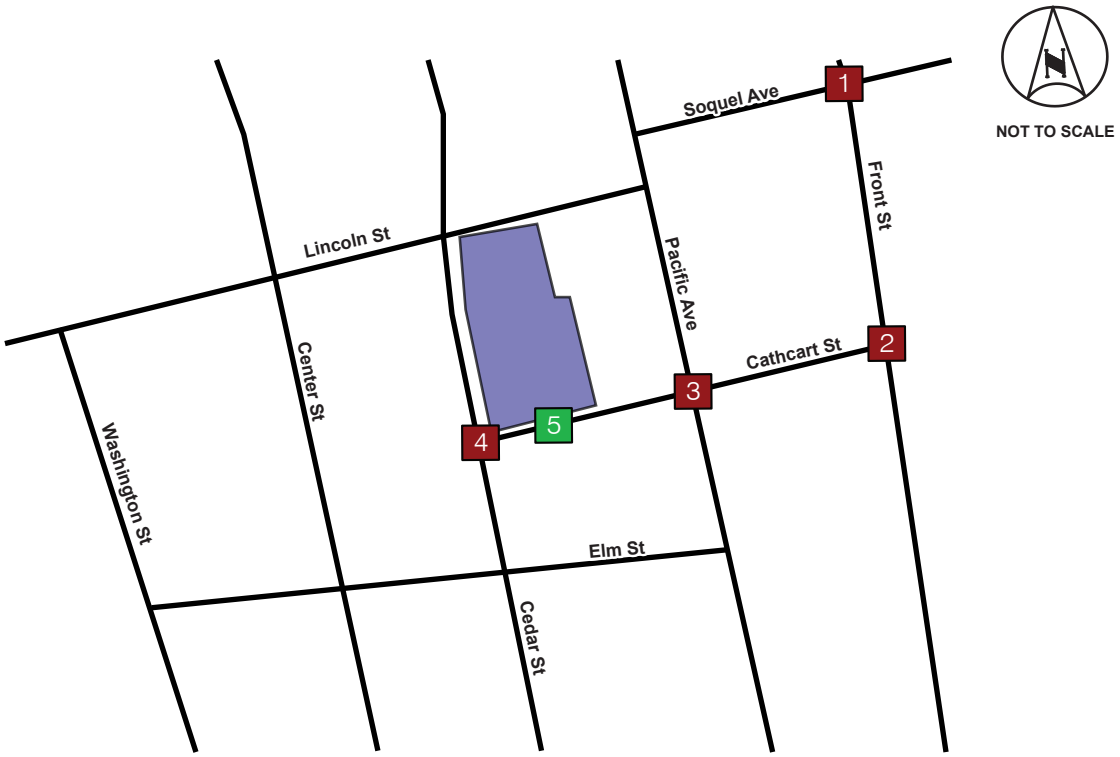






*Figure 4*
*Study Facilities with Lane Geometry*




## LEGEND

- Project Location
- # Study Intersection
- # Study Intersection (Project Driveway)
- Signalized Control
- Stop Control
- XX (XX) AM (PM) Peak-Hour Volumes



*Figure 5*
*Study Facilities with Project Trip Assignments*

# TRANSPORTATION STUDY METHODOLOGY

This transportation study was performed in accordance with the City's transportation study guidelines[3].

## Level of Service Definitions

The level of service (LOS) of a facility is a qualitative measure used to describe operational conditions. LOS ranges from A, which represents minimal delay, to F, which represents heavy delay and a facility that is operating at or near its functional capacity. LOS for this study was determined using methods defined in the *Highway Capacity Manual (HCM) 6th Edition ("HCM6")*.

## Intersection Analysis

The HCM includes procedures for analyzing side-street stop controlled (SSSC), all-way stop controlled (AWSC), and signalized intersections. The SSSC procedure defines LOS as a function of average control delay for each minor street approach movement. Conversely, the AWSC and signalized intersection procedures define LOS as a function of average control delay for the intersection. Table 2 presents intersection LOS definitions as defined in the HCM.

Table 2 – Intersection Level of Service Criteria

| Level of Service (LOS) | Un-Signalized | Signalized |
|---|---|---|
| | Average Control Delay* (sec/veh) | Average Control Delay (sec/veh) |
| A | ≤ 10 | ≤ 10 |
| B | > 10 – 15 | > 10 – 20 |
| C | > 15 – 25 | > 20 – 35 |
| D | > 25 – 35 | > 35 – 55 |
| E | > 35 – 50 | > 55 – 80 |
| F | > 50 | > 80 |

*Source: Highway Capacity Manual, 6th Edition*
* Applied to the worst lane/lane group(s) for SSSC

LOS for the study intersections was determined using the Synchro® traffic analysis software. Synchro 11 uses HCM6 methodology to analyze intersection delay and LOS.

## Analysis Scenarios

As described in the following sections, the LOS analysis was conducted for the study facilities for the following scenarios: Existing (2022) Conditions, Existing (2022) plus Proposed Project Conditions, and Cumulative (2042) plus Proposed Project Conditions.

[3] *City of Santa Cruz Transportation Study Requirements for Development*, City of Santa Cruz, 2021

## EXISTING (2022) CONDITIONS

Existing traffic counts were collected to establish the existing conditions of the study area intersections. Counts were performed in September 2022 between 7-9 AM and 4-6 PM during typical weekdays (Tuesday-Thursday) with a particular emphasis on capturing conditions during normal peak periods.

Traffic counts from December 2017 at Intersection #1 (Front Street and Soquel Avenue) and Intersection #2 (Front Street and Cathcart Street) were compared against counts taken at both intersections in September 2022. As the December 2017 counts were higher at both intersections, the difference in intersection volumes between 2017 and 2022 was used to develop a factor and "grow" the 2022 counts taken at Intersection #3 (Cathcart Street and Pacific Avenue) and Intersection #4 (Cathcart Street and Cedar Street). Traffic counts used in the Existing (2022) conditions for the analysis are December 2017 volumes at Intersection #1 and #2 and factored September 2022 volumes at Intersection #3 and #4.

It is important to note that Cathcart Street between Cedar Street and Pacific Avenue is currently operating as a one-way road with only westbound traffic. This is due to the closure of the eastbound lane for outdoor dining. As reopening of the eastbound lane is expected once the project is constructed, counts in the westbound direction at both Intersection #3 and #4 were estimated using engineering judgement and existing traffic flow patterns at proximate intersections.

Existing (2022) Conditions AM and PM peak-hour traffic volumes are presented in Figure 6. 2017 and 2022 traffic count data sheets, along with calculations showing intersection growth rate calculation, are provided in Appendix A. Analysis worksheets for the scenario are included in Appendix B.

*Intersections*

Table 3 presents the intersection operating conditions for this scenario. As indicated in Table 3, the study intersections operate between LOS A and LOS C during the AM and PM peak-hours.

Table 3 – Existing (2022) Intersection Levels of Service

| ID | Intersection | LOS Threshold | Control | Peak Hour | Existing | |
|---|---|---|---|---|---|---|
| | | | | | Delay (sec) | LOS |
| 1 | Front Street @ Soquel Avenue | D | Signal | AM | 32.6 | C |
| | | | | PM | 24.7 | C |
| 2 | Front Street @ Cathcart Street | D | Signal | AM | 8.6 | A |
| | | | | PM | 16.5 | B |
| 3 | Cathcart Street @ Pacific Avenue | D | AWSC | AM | 9.7 | A |
| | | | | PM | 10.3 | B |
| 4 | Cathcart Street @ Cedar Street | D | AWSC | AM | 8.2 | A |
| | | | | PM | 10.1 | B |
| 5 | Cathcart Street @ Project Driveway | D | SSSC | AM | Not completed for scenario | |
| | | | | PM | | |

Notes: **Bold** represents unacceptable operations.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst approach's delay.

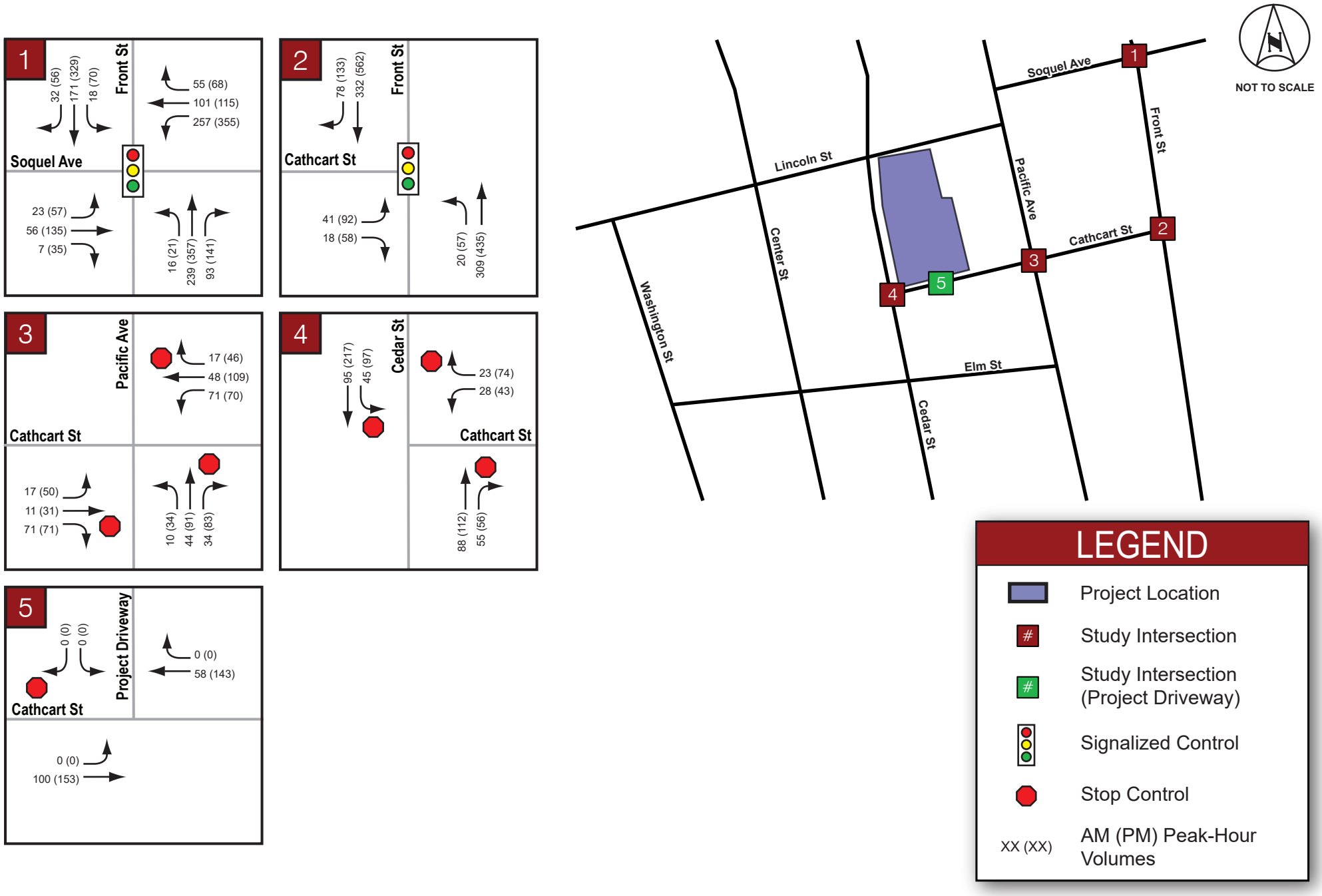





*Figure 6*
*Study Facilities with Existing Turning Movement Volumes*

## EXISTING (2022) PLUS PROPOSED PROJECT CONDITIONS

As previously discussed, the number of trips anticipated to be generated by the proposed project was derived using data included in the *ITE Trip Generation Manual, 11th Edition*. These trips were then assigned to the roadway network using engineering judgement and existing roadway volume patterns. Using these volumes, LOS was determined at the study facilities. Existing (2022) plus Proposed Project peak-hour traffic volumes are presented in **Figure 7** for the AM and PM peak-hours. Analysis worksheets for the scenario are included in **Appendix C**.

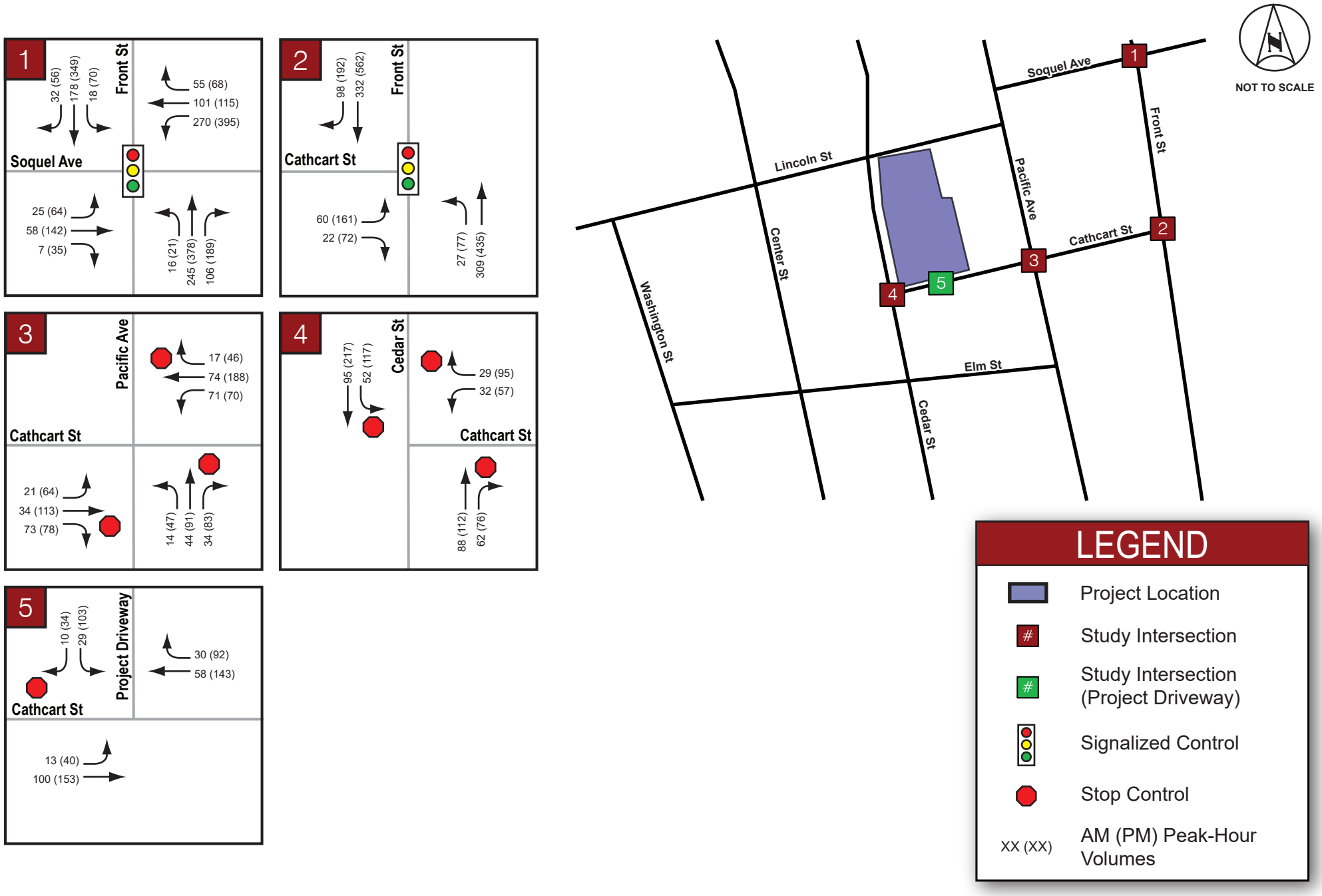
*Intersections*

**Table 4** presents the intersection operating conditions for this analysis scenario. As indicated in **Table 4**, the study intersections operate between LOS A and LOS D during the AM and PM peak-hours.

**Table 4** – Existing (2022) plus Proposed Project Intersection Levels of Service

| ID | Intersection | LOS Threshold | Control | Peak Hour | Existing | | Existing plus Proposed Project | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Delay (sec) | LOS | Delay (sec) | LOS |
| 1 | Front Street @ Soquel Avenue | D | Signal | AM | 32.6 | C | 32.8 | C |
| | | | | PM | 24.7 | C | 37.4 | D |
| 2 | Front Street @ Cathcart Street | D | Signal | AM | 8.6 | A | 9.5 | A |
| | | | | PM | 16.5 | B | 14.7 | B |
| 3 | Cathcart Street @ Pacific Avenue | D | AWSC | AM | 9.7 | A | 11.7 | B |
| | | | | PM | 10.3 | B | 16.0 | C |
| 4 | Cathcart Street @ Cedar Street | D | AWSC | AM | 8.2 | A | 8.4 | A |
| | | | | PM | 10.1 | B | 10.9 | B |
| 5 | Cathcart Street @ Project Driveway | D | SSSC | AM | Not completed for scenario | | 1.9 (9.9 SB) | A |
| | | | | PM | | | 3.6 (14.0 SB) | B |

Notes: **Bold** represents unacceptable operations. Shaded represents a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst approach's delay.




Kimley»Horn

*Figure 7*

1.522 *Study Facilities with Existing Plus Project Turning Movement Volumes*

## CUMULATIVE (2042) PLUS PROPOSED PROJECT CONDITIONS

Peak-hour traffic volumes for Cumulative conditions were obtained from the City of Santa Cruz 2030 General Plan and include the growth anticipated by the University of Santa Cruz[4]. The volumes provided by the City, which can be found in Appendix E, were available for the two Front Street intersections with Soquel Avenue and Cathcart Street (Intersection #1 and Intersection #2). The volumes for the remaining Cathcart Street intersections (Intersections #3 – #5) were developed using a mix of volume balancing from the Cathcart Street intersection with Front Street (Intersection #2) and interpolating the background growth from the Santa Cruz County Travel Demand Model (SCC TDM) between the model's base year (2019) and future year (2040) and adding it to the counts obtained for Existing Conditions. The project volumes for the PM peak-hour were then layered on top of the volumes for Cumulative conditions to obtaining intersection turning movement volumes for Cumulative plus Project Conditions.

Using the volumes developed for Cumulative plus Project conditions, LOS was determined at the study facilities. Cumulative (2042) plus Proposed Project peak-hour traffic volumes are presented in Figure 8 for the AM and PM peak-hours. Detailed calculations are included in Appendix D.

*Intersections*

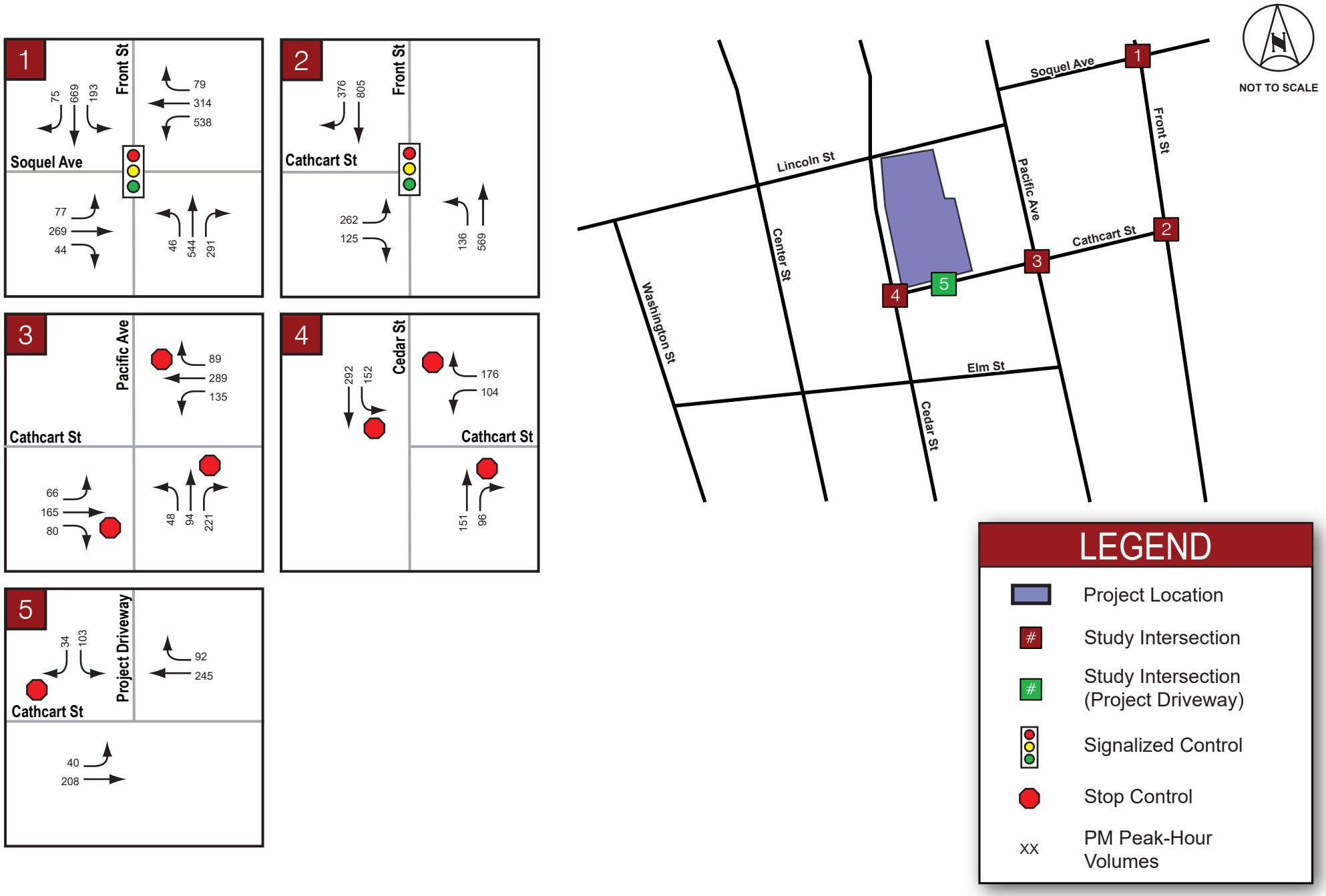
Table 5 presents the intersection operating conditions for this scenario. As indicated in Table 5, the study intersections operate between LOS A and LOS F. All intersections except the Front Street intersection with Soquel Avenue (Intersection #1) operate within the City's LOS threshold of LOS D.

Table 5 – Cumulative (2042) plus Proposed Project Intersection Levels of Service

| ID | Intersection | LOS Threshold | Control | Peak Hour | Existing plus Proposed Project | | Cumulative plus Proposed Project | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Delay (sec) | LOS | Delay (sec) | LOS |
| 1 | Front Street @ Soquel Avenue | D | Signal | PM | 37.4 | D | **206.0** | **F** |
| 2 | Front Street @ Cathcart Street | D | Signal | PM | 14.7 | B | 25.6 | C |
| 3 | Cathcart Street @ Pacific Avenue | D | AWSC | PM | 16.0 | C | 27.0 | D |
| 4 | Cathcart Street @ Cedar Street | D | AWSC | PM | 10.9 | B | 16.2 | C |
| 5 | Cathcart Street @ Project Driveway | D | SSSC | PM | 3.6 (14.0 SB) | B | 3.5 (15.9 SB) | B |

Notes: **Bold** represents unacceptable operations.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst approach's delay.

[4] *Transportation Study Requirements for Development – Cumulative Buildout Volumes City of Santa Cruz Critical Intersections*. City of Santa Cruz. August 6, 2021.




Kimley»Horn

*Figure 8*

*Study Facilities with Cumulative Plus Project PM Peak-Hour Turning Movement Volumes*

# DEFICIENCIES AND IMPROVEMENTS

## Standards of Deficiency

The City of Santa Cruz's *Transportation Study Requirements for Development*[3] was referenced to identify standards of deficiency at the study area intersections. The following criteria were used:

> *The project traffic added to existing conditions would result in the level of service deteriorating below the City standard and would be more than 3% over existing total volume at the studied intersection. The City's current level of service standard is LOS D.*
>
> *The project traffic together with General Plan buildout and update traffic would result in a drop below the level of service standard for the City of Santa Cruz. (This is defined as a cumulatively considerable effect irrespective of the proportional increase to traffic volumes).*
>
> *The project conflicts with adopted policies, plans or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.*
>
> *If the project site design does not have adequate parking or circulation capacity to accommodate the anticipated demand. (Parking demand shall be measured first using the City Parking requirements but may be adjusted using ITE 85 percentile parking generation rates and shared parking analysis factors at the discretion of the City Engineer and Transportation Manager). The City Parking Ordinance allows reductions but these must be thoroughly substantiated and quantified in the analysis, and they are not generally all applicable to a project.*

## Summary of Deficiencies and Improvements

Existing (2022) plus Proposed Project Conditions

As reflected in Table 4, the addition of the proposed project results in no intersection deficiencies as defined by the City. The lowest LOS exhibited at any one study facilities is C under the Existing plus Proposed Project scenario.

Cumulative (2042) plus Proposed Project Conditions

As reflected in Table 5, the addition of the proposed project results in one intersection deficiency at the Front Street intersection with Soquel Avenue (Intersection #1) as defined by the City of Santa Cruz. Using the improvements proposed for Front Street as part of the Downtown Intersections Improvement Plan, the LOS and delay can be reduced from F to E and 206.0 to 73.7, respectively, as shown in Table 6. The analysis worksheet for Intersection #1 for Cumulative plus Proposed Project (Improved) conditions can be found at the end of Appendix D. The improvements include modifying the eastbound approach from a thru-left and thru-right to a dedicated left-turn lane and a thru-right. In addition, the southbound approach was modified to include a dedicated left-turn lane and an all-movement (left-thru-right) lane. While no feasible improvements were identified that would reduce the LOS and delay to LOS D, it should be noted that under the City's existing General Plan, the City accepts a lower LOS at some major regional intersections such as this one per Circulation Policy 5.1.2.

Table 6 – Cumulative (2042) plus Proposed Project plus Improvements Intersection Levels of Service

| ID | Intersection | LOS Threshold | Control | Peak Hour | Cumulative (2042) plus Proposed Project | | Cumulative (2042) plus Proposed Project (Improved) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Delay (sec) | LOS | Delay (sec) | LOS |
| 1 | Front Street @ Soquel Avenue | D | Signal | PM | **206.0** | **F** | **73.7** | **E** |

Notes: **Bold** represents unacceptable operations. The City of Santa Cruz has established LOS D as the minimum acceptable LOS for overall intersection operations during the AM and PM peak hours. However, under the existing General Plan, the City accepts a lower LOS (E) at some major regional intersections per existing Circulation Policy 5.1.2.

## VEHICLE MILES TRAVELED (VMT)

The proposed project is located in a VMT Efficient Area based on the Santa Cruz County Residential Screening Map[5]. This means that based on the VMT per capita threshold set by the City and County, the proposed project is located in an area that produces VMT per capita that is at least 15-percent below the Countywide average. Therefore, as noted in the memo developed by the City's Public Works Department and provided as Appendix F, the VMT for the proposed project is assumed to be less than significant in accordance with the adopted City of Santa Cruz guidelines.

## OTHER CONSIDERATIONS

### Intersection Queuing Evaluation

A queuing study was conducted to evaluate the capacity of the existing turn lanes at the study intersections. Synchro reports were used to conduct the queuing analysis. The 95th percentile vehicle queues were compared against the existing vehicle storage lengths at select intersection movements to determine if the queues are anticipated to exceed their available storage. Results of the queuing evaluation are presented in Table 7. Analysis sheets that include the anticipated vehicle queues are presented in Appendices B – D.

As presented in Table 7, the addition of the proposed project adds relatively small amounts of additional queuing except at the Front Street intersection with Soquel Avenue (Intersection #1). Shaded cells in the table represent conditions where the reported queue exceeds available vehicle storage capacity by more than one car length (25 ft). The addition of the proposed project results in the following:

- Except for the northbound right movement at the Soquel Avenue intersection with Front Street (Intersection #1) and both the eastbound right and northbound left movements at the Cathcart intersection with Front Street (Intersection #2), the project does not cause any queue lengths to exceed the available storage or increase queue lengths that are deficient without the addition of the project.
    - The northbound right movement at Intersection #1 is shared with the second through lane (shared through-right), so the through trips affect the queue length at this intersection. As there is significant storage for the approach as a whole (one lane into two at the intersection) it is not anticipated that any safety issues will arise with this increased queue length. In addition, improvements are planned for this intersection in the near future that would improve safety for all users by slightly modifying the intersection geometry (eastbound number one lane will be converted from a through-left to a left-only lane) and adding additional bicyclist infrastructure such as bike lane striping across the intersection for the Front Street approaches and a bike box for the westbound approach.
    - For the eastbound right movement at Intersection #2, while the 95th percentile queue exceeds the available storage, the average queue length is only 25-feet (one vehicle length). In addition, the project only adds 4 trips per hour at this movement or one vehicle every 15 minutes. Therefore, no safety issues are anticipated at this intersection either due to the identified queue length with the addition of the project.
    - For the northbound left movement at Intersection #2, while the 95th percentile queue exceeds the available storage, the average queue length is 70-feet, less than the available storage. In addition, the project only adds 7 trips per hour at this movement or two vehicles every 15 minutes. Therefore, no safety issues are anticipated at this intersection.
- At the Cathcart Street intersection with the Project Driveway (Intersection #5), the 95th percentile queue for the eastbound left movement is one vehicle or 25-feeet. There are no anticipated safety issues related to off-street queuing at Intersection #5.

5 *Analyzing Vehicle Miles Traveled for CEQA Compliance. SB 743 Implementation Guidelines for the County of Santa Cruz*. Santa Cruz County Planning Department. Implemented July 2020. Updated May 2021.

Table 7 – Intersection Queuing Evaluation Results

| Intersection / Analysis Scenario | Movement | AM Peak-Hour Available Storage (ft) | AM Peak-Hour 95th % Queue (ft) | PM Peak-Hour Available Storage (ft) | PM Peak-Hour 95th % Queue (ft) |
|---|---|---|---|---|---|
| #1, Front Street @Soquel Avenue | NBR | | | | |
| Existing (2022) | | 100 | 80 | 100 | 151 |
| Existing (2022) plus Proposed Project | | | 83 | | 177 |
| Cumulative (2042) plus Proposed Project | | | - | | 516 |
| | NBL | | | | |
| Existing (2022) | | - | 80 | - | 151 |
| Existing (2022) plus Proposed Project | | | 83 | | 177 |
| Cumulative (2042) plus Proposed Project | | | - | | 516 |
| | WBL | | | | |
| Existing (2022) | | - | 168 | - | 214 |
| Existing (2022) plus Proposed Project | | | 172 | | 229 |
| Cumulative (2042) plus Proposed Project | | | - | | 470 |
| #2, Front Street @Cathcart Street | EBR | | | | |
| Existing (2022) | | 25 | 16 | 25 | 24 |
| Existing (2022) plus Proposed Project | | | 17 | | 37 |
| Cumulative (2042) plus Proposed Project | | | - | | 70 |
| | NBL | | | | |
| Existing (2022) | | 100 | 24 | 100 | 56 |
| Existing (2022) plus Proposed Project | | | 29 | | 72 |
| Cumulative (2042) plus Proposed Project | | | - | | 171 |
| | SBR | | | | |
| Existing (2022) | | - | 60 | - | 127 |
| Existing (2022) plus Proposed Project | | | 65 | | 135 |
| Cumulative (2042) plus Proposed Project | | | - | | 236 |
| #3, Cathcart Street @Pacific Avenue | EBR | | | | |
| Existing (2022) | | - | 75 | - | 50 |
| Existing (2022) plus Proposed Project | | | 100 | | 150 |
| Cumulative (2042) plus Proposed Project | | | - | | 100 |
| | NBL | | | | |
| Existing (2022) | | - | 25 | - | 50 |
| Existing (2022) plus Proposed Project | | | 25 | | 50 |
| Cumulative (2042) plus Proposed Project | | | - | | 125 |
| #4, Cathcart Street @Cedar Street | WBL/R | | | | |
| Existing (2022) | | - | 25 | - | 25 |
| Existing (2022) plus Proposed Project | | | 25 | | 25 |
| Cumulative (2042) plus Proposed Project | | | - | | 75 |
| | NBR | | | | |
| Existing (2022) | | - | 25 | - | 25 |
| Existing (2022) plus Proposed Project | | | 25 | | 50 |
| Cumulative (2042) plus Proposed Project | | | - | | 50 |
| | SBL | | | | |
| Existing (2022) | | - | 25 | - | 75 |
| Existing (2022) plus Proposed Project | | | 25 | | 75 |
| Cumulative (2042) plus Proposed Project | | | - | | 150 |
| #5, Cathcart Street @ Project Driveway | EBL | | | | |
| Existing (2022) plus Proposed Project | | - | 25 | - | 25 |
| Cumulative (2042) plus Proposed Project | | | - | | 25 |

Source: *Highway Capacity Manual (HCM) 2016* methodology per Synchro© v11/Simtraffic.
Notes: For approaches with dual left-turn lanes, the longest queue length is reported.
*Minimal 95th Percentile Queue, shaded cell indicates queue exceeds storage by > 25' (one vehicle length)

### On-Site Transportation Review

In accordance with the City's *Guidelines*[3], the following aspects of the proposed project were evaluated:

1. ***Proximity of proposed site driveway(s) to other driveways or intersections***
   Access to the site is provided via one (1) proposed roadway connections to Cathcart Street and one (1) one-way alley. A one-way alley follows the east side of the development and connects Cathcart Street and Lincoln Street. Both access points will be sufficient to serve delivery trucks, fire trucks, and other oversized vehicles.
2. ***Adequacy of vehicle parking relative to both the anticipated demand and zoning code requirements***
   All required parking is anticipated to be accommodated entirely on-site. While existing on-street and off-street parking spaces will be removed with the addition of the project, a comparable number of parking spots will be included as part of the proposed project.
3. ***Adequacy of the project site design to convey all vehicle types***
   The site will include access which is anticipated to accommodate the circulation needs of all vehicle types, including fire access. The proposed project will be utilizing proposed roadway connections to Cathcart Street and Lincoln Street.
4. ***Adequacy of sight distance on-site***
   It is anticipated that sufficient sight distance for the proposed project driveway will be provided in a manner consistent with the guidelines presented in the *Geometric Design of Highways and Streets*, published by the American Association of State Highway and Transportation Officials (AASHTO), and the *Highway Design Manual*, published by Caltrans. According to the project site plan (**Figure 2**) there appears to be adequate sight distance on-site to facilitate safe and orderly circulation. It should also be noted that the entrance for the parking garage will be set back and an open-air design with support pillars will provide exiting vehicles with sight lines in both directions, including of the sidewalk for approaching directions. This contrasts with many garages designed with walls until the exit point. The project design will provide adequate sight distance for exiting vehicles of both oncoming vehicles and pedestrians.

### Other Transportation-Related Deficiencies and Improvement Considerations

In accordance with the City's *Guidelines*[3], the proposed project was evaluated against the following *General Plan* goals:

- ***Emergency Vehicle Access***
  The Fire Code of Santa Cruz County (Chapter 7.92)[6] states that fire apparatus access roads shall be a minimum of "12 ft (3658 mm) for an access road or driveway serving two or fewer habitable structures." As shown in project site plan (**Figure 2**), the project site will allow fire access to all parcels with a minimum alley width of 15'-3". As such, the proposed project is considered to allow for adequate access and on-site circulation for emergency vehicles.
- ***Deliveries of Goods and Services***
  The proposed project is considered to allow for adequate on-site circulation for all vehicle types, including delivery vehicles for goods and services. Delivery vehicles will be able to circulate the site using access to the parking garage from Cathcart Street.
- ***Access to Public Transit Services consistent with the City of Santa Cruz 2030 General Plan GOAL M1: "Land use patterns, street design, parking, and access solutions that facilitate multiple transportation alternatives (Cf. Lu4 Lu4.1.1, Lu4.2, ED1.9.2, and M2.2, 2.3.2, and 3.1.9)"***[7]
  There is a transit center located approximately 1,000 feet southeast of the project site. The site is connected to existing pedestrian facilities and is planned to improve the pedestrian facilities adjacent to the site by widening sidewalks.

[6] *Santa Cruz County Code – Chapter 7.92 FIRE CODE*, Santa Cruz County
[7] *City of Santa Cruz 2030 General Plan*, City of Santa Cruz

- ***Non-Motorized Transportation consistent with the City of Santa Cruz 2030 General Plan GOAL M2: "A safe, sustainable, efficient, adaptive, and accessible transportation system"*** [7]
  Bike parking facilities will be installed throughout the project site, with a total of 256 Class II bike parking spots.

## CONCLUSIONS

Significant findings of this study include:

- The proposed project is estimated to generate 2,144 new daily trips with 82 new trips occurring during the AM peak-hour and 269 new trips occurring during the PM peak-hour.
- As defined by the City, the addition of the proposed project to the Existing (2022) Conditions does not result in any of the study facilities operating below acceptable City LOS thresholds.
- For Cumulative (2042) plus Proposed Project conditions, the addition of the proposed project results in one intersection deficiency at the Front Street intersection with Soquel Avenue (Intersection #1) as defined by the City of Santa Cruz. Using the improvements proposed for Front Street as part of the Downtown Intersections Improvement Plan, the LOS and delay can be reduced from F to E and 206.0 to 73.7, respectively, as shown in Table 6. The improvements include modifying the eastbound approach from a thru-left and thru-right to a dedicated left-turn lane and a thru-right. In addition, the southbound approach was modified to include a dedicated left-turn lane and an all-movement (left-thru-right) lane. No feasible improvements were identified that would reduce the LOS and delay to LOS D.
- Except for the northbound right movement at the Soquel Avenue intersection with Front Street (Intersection #1) and both the eastbound right and northbound left movements at the Cathcart intersection with Front Street (Intersection #2), the project does not cause any queue lengths to exceed the available storage or increase queue lengths that are deficient without the addition of the project.
  - The northbound right movement at Intersection #1 is shared with the second through lane (shared through-right), so the through trips affect the queue length at this intersection. As there is significant storage for the approach as a whole (one lane into two at the intersection) it is not anticipated that any safety issues will arise with this increased queue length.
  - For the eastbound right movement at Intersection #2, while the 95th percentile queue exceeds the available storage, the average queue length is only 25-feet (one vehicle length). In addition, the project only adds 4 trips per hour at this movement or one vehicle every 15 minutes. Therefore, no safety issues are anticipated at this intersection either due to the identified queue length with the addition of the project.
  - For the northbound left movement at Intersection #2, while the 95th percentile queue exceeds the available storage, the average queue length is 70-feet, less than the available storage. In addition, the project only adds 7 trips per hour at this movement or two vehicles every 15 minutes. Therefore, no safety issues are anticipated at this intersection.
- At the Cathcart Street intersection with the Project Driveway (Intersection #5), the 95$^{th}$ percentile queue for the eastbound left movement is one vehicle or 25-feeet. There are no anticipated safety issues related to off-street queuing at Intersection #5.
- The entrance for the parking garage will be set back and an open-air design with support pillars will provide exiting vehicles with sight lines in both directions, including of the sidewalk for approaching directions. This contrasts with many garages designed with walls until the exit point. The project design will provide adequate sight distance for exiting vehicles of both oncoming vehicles and pedestrians.

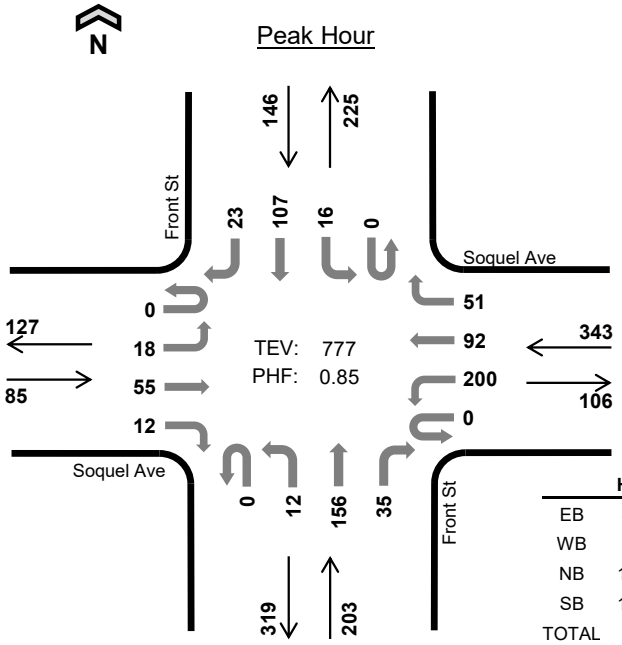
# Appendix A

*Traffic Count Data Sheets*

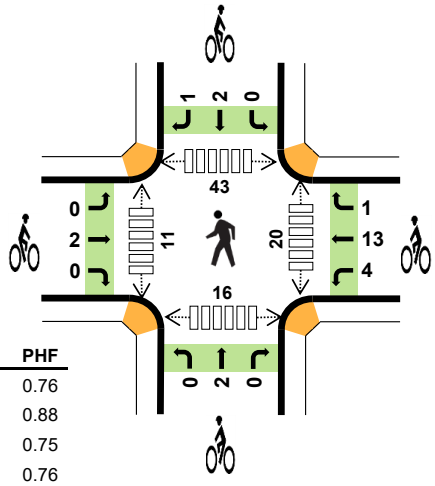
# Front St
# Soquel Ave

Peak Hour

**Date:** 09/15/2022
**Count Period:** 7:00 AM to 9:00 AM
**Peak Hour:** 8:00 AM to 9:00 AM




| | HV %: | PHF |
|---|---|---|
| EB | 4.7% | 0.76 |
| WB | 7.9% | 0.88 |
| NB | 11.3% | 0.75 |
| SB | 11.6% | 0.76 |
| TOTAL | 9.1% | 0.85 |




## Two-Hour Count Summaries

| Interval Start | | Soquel Ave Eastbound UT | LT | TH | RT | Soquel Ave Westbound UT | LT | TH | RT | Front St Northbound UT | LT | TH | RT | Front St Southbound UT | LT | TH | RT | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7:00 AM | | 0 | 2 | 1 | 0 | 0 | 24 | 6 | 1 | 0 | 1 | 19 | 3 | 0 | 0 | 9 | 0 | 66 | 0 |
| 7:15 AM | | 0 | 4 | 9 | 0 | 0 | 19 | 11 | 3 | 0 | 2 | 18 | 2 | 0 | 3 | 20 | 1 | 92 | 0 |
| 7:30 AM | | 0 | 1 | 4 | 2 | 0 | 26 | 9 | 4 | 0 | 2 | 18 | 12 | 0 | 6 | 19 | 3 | 106 | 0 |
| 7:45 AM | | 0 | 1 | 4 | 4 | 0 | 29 | 8 | 8 | 0 | 1 | 35 | 9 | 0 | 5 | 18 | 3 | 125 | 389 |
| **8:00 AM** | | **0** | **4** | **8** | **4** | **0** | **47** | **24** | **3** | **0** | **2** | **36** | **12** | **0** | **5** | **21** | **4** | **170** | 493 |
| **8:15 AM** | | **0** | **2** | **14** | **4** | **0** | **43** | **30** | **7** | **0** | **4** | **36** | **5** | **0** | **3** | **25** | **4** | **177** | 578 |
| **8:30 AM** | | **0** | **7** | **19** | **2** | **0** | **58** | **19** | **20** | **0** | **0** | **32** | **8** | **0** | **4** | **27** | **5** | **201** | 673 |
| **8:45 AM** | | **0** | **5** | **14** | **2** | **0** | **52** | **19** | **21** | **0** | **6** | **52** | **10** | **0** | **4** | **34** | **10** | **229** | **777** |
| Count Total | | 0 | 26 | 73 | 18 | 0 | 298 | 126 | 67 | 0 | 18 | 246 | 61 | 0 | 30 | 173 | 30 | 1,166 | 0 |
| **Peak Hour** | **All** | **0** | **18** | **55** | **12** | **0** | **200** | **92** | **51** | **0** | **12** | **156** | **35** | **0** | **16** | **107** | **23** | **777** | **0** |
| | **HV** | **0** | **0** | **3** | **1** | **0** | **22** | **3** | **2** | **0** | **0** | **17** | **6** | **0** | **3** | **12** | **2** | **71** | **0** |
| | **HV%** | **-** | **0%** | **5%** | **8%** | **-** | **11%** | **3%** | **4%** | **-** | **0%** | **11%** | **17%** | **-** | **19%** | **11%** | **9%** | **9%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals EB | WB | NB | SB | Total | Bicycles EB | WB | NB | SB | Total | Pedestrians (Crossing Leg) East | West | North | South | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7:00 AM | 0 | 2 | 4 | 3 | *9* | 0 | 1 | 0 | 0 | *1* | 3 | 8 | 8 | 3 | *22* |
| 7:15 AM | 1 | 3 | 6 | 6 | *16* | 0 | 2 | 1 | 0 | *3* | 0 | 1 | 13 | 2 | *16* |
| 7:30 AM | 1 | 4 | 4 | 6 | *15* | 1 | 4 | 2 | 1 | *8* | 3 | 7 | 13 | 4 | *27* |
| 7:45 AM | 0 | 6 | 6 | 2 | *14* | 0 | 1 | 1 | 0 | *2* | 3 | 2 | 10 | 4 | *19* |
| **8:00 AM** | **1** | **6** | **4** | **3** | ***14*** | **2** | **4** | **0** | **1** | ***7*** | **7** | **2** | **9** | **7** | *25* |
| **8:15 AM** | **1** | **7** | **5** | **5** | ***18*** | **0** | **9** | **0** | **1** | ***10*** | **6** | **3** | **15** | **5** | *29* |
| **8:30 AM** | **1** | **6** | **6** | **4** | ***17*** | **0** | **3** | **1** | **1** | ***5*** | **5** | **3** | **10** | **0** | *18* |
| **8:45 AM** | **1** | **8** | **8** | **5** | ***22*** | **0** | **2** | **1** | **0** | ***3*** | **2** | **3** | **9** | **4** | ***18*** |
| Count Total | 6 | 42 | 43 | 34 | *125* | 3 | 26 | 6 | 4 | *39* | 29 | 29 | 87 | 29 | *174* |
| **Peak Hour** | **4** | **27** | **23** | **17** | ***71*** | **2** | **18** | **2** | **3** | ***25*** | **20** | **11** | **43** | **16** | ***90*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Soquel Ave | | | | Soquel Ave | | | | Front St | | | | Front St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 3 | 0 | 9 | 0 |
| 7:15 AM | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 5 | 1 | 16 | 0 |
| 7:30 AM | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 6 | 0 | 15 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 2 | 0 | 14 | 54 |
| **8:00 AM** | **0** | **0** | **0** | **1** | **0** | **5** | **1** | **0** | **0** | **0** | **3** | **1** | **0** | **1** | **2** | **0** | **14** | 59 |
| **8:15 AM** | **0** | **0** | **1** | **0** | **0** | **6** | **0** | **1** | **0** | **0** | **5** | **0** | **0** | **1** | **4** | **0** | **18** | 61 |
| **8:30 AM** | **0** | **0** | **1** | **0** | **0** | **5** | **0** | **1** | **0** | **0** | **3** | **3** | **0** | **0** | **4** | **0** | **17** | 63 |
| **8:45 AM** | **0** | **0** | **1** | **0** | **0** | **6** | **2** | **0** | **0** | **0** | **6** | **2** | **0** | **1** | **2** | **2** | **22** | **71** |
| Count Total | 0 | 0 | 4 | 2 | 0 | 35 | 4 | 3 | 0 | 0 | 31 | 12 | 0 | 3 | 28 | 3 | 125 | 0 |
| **Peak Hour** | **0** | **0** | **3** | **1** | **0** | **22** | **3** | **2** | **0** | **0** | **17** | **6** | **0** | **3** | **12** | **2** | **71** | **0** |

## Two-Hour Count Summaries - Bikes

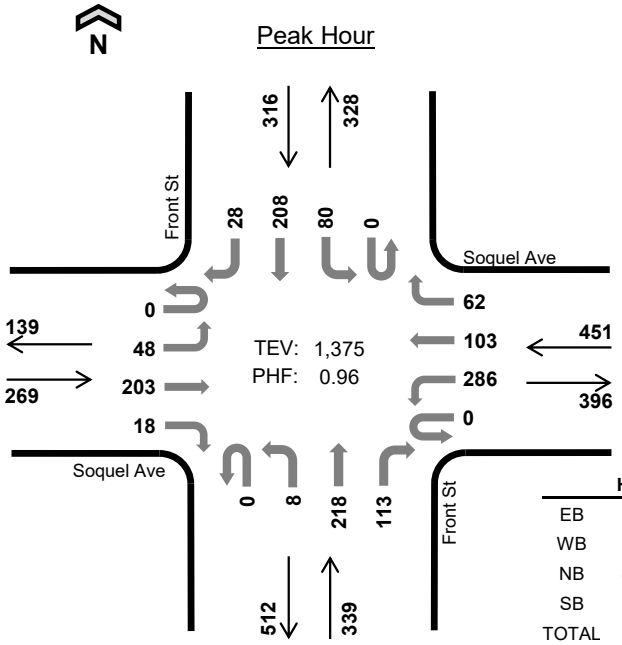
| Interval Start | Soquel Ave | | | Soquel Ave | | | Front St | | | Front St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 7:15 AM | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 |
| 7:30 AM | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 8 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 14 |
| **8:00 AM** | **0** | **2** | **0** | **1** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **7** | 20 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **8** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **10** | 27 |
| **8:30 AM** | **0** | **0** | **0** | **2** | **1** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **5** | 24 |
| **8:45 AM** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **3** | **25** |
| Count Total | 0 | 3 | 0 | 7 | 17 | 2 | 0 | 3 | 3 | 0 | 2 | 2 | 39 | 0 |
| **Peak Hour** | **0** | **2** | **0** | **4** | **13** | **1** | **0** | **2** | **0** | **0** | **2** | **1** | **25** | **0** |

*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

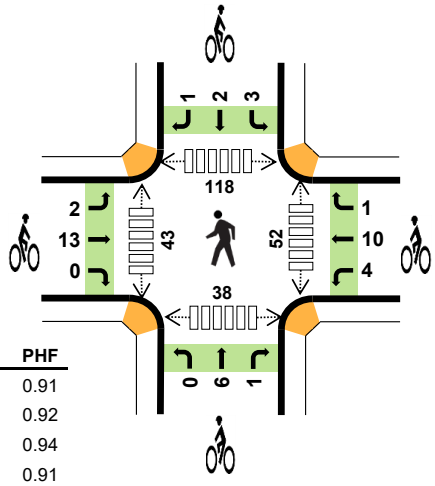
# Front St
# Soquel Ave

Peak Hour

**Date:** 09/15/2022
**Count Period:** 4:00 PM to 6:00 PM
**Peak Hour:** 4:00 PM to 5:00 PM




| | HV %: | PHF |
|---|---|---|
| EB | 0.7% | 0.91 |
| WB | 3.1% | 0.92 |
| NB | 4.4% | 0.94 |
| SB | 3.5% | 0.91 |
| TOTAL | 3.1% | 0.96 |




## Two-Hour Count Summaries

| Interval Start | | Soquel Ave Eastbound UT | LT | TH | RT | Soquel Ave Westbound UT | LT | TH | RT | Front St Northbound UT | LT | TH | RT | Front St Southbound UT | LT | TH | RT | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4:00 PM** | | **0** | **17** | **46** | **5** | **0** | **72** | **32** | **19** | **0** | **6** | **49** | **31** | **0** | **18** | **58** | **4** | **357** | 0 |
| **4:15 PM** | | **0** | **9** | **62** | **3** | **0** | **75** | **23** | **14** | **0** | **0** | **60** | **24** | **0** | **20** | **48** | **6** | **344** | 0 |
| **4:30 PM** | | **0** | **11** | **54** | **6** | **0** | **61** | **26** | **14** | **0** | **1** | **45** | **33** | **0** | **21** | **58** | **8** | **338** | 0 |
| **4:45 PM** | | **0** | **11** | **41** | **4** | **0** | **78** | **22** | **15** | **0** | **1** | **64** | **25** | **0** | **21** | **44** | **10** | **336** | **1,375** |
| 5:00 PM | | 0 | 10 | 44 | 4 | 0 | 74 | 27 | 22 | 0 | 2 | 55 | 27 | 0 | 18 | 52 | 13 | 348 | 1,366 |
| 5:15 PM | | 0 | 14 | 36 | 4 | 0 | 83 | 22 | 10 | 0 | 4 | 46 | 21 | 0 | 20 | 51 | 9 | 320 | 1,342 |
| 5:30 PM | | 0 | 4 | 34 | 11 | 0 | 81 | 11 | 13 | 0 | 2 | 55 | 19 | 0 | 22 | 56 | 16 | 324 | 1,328 |
| 5:45 PM | | 0 | 9 | 25 | 6 | 0 | 61 | 28 | 11 | 0 | 3 | 64 | 20 | 0 | 23 | 53 | 7 | 310 | 1,302 |
| Count Total | | 0 | 85 | 342 | 43 | 0 | 585 | 191 | 118 | 0 | 19 | 438 | 200 | 0 | 163 | 420 | 73 | 2,677 | 0 |
| **Peak Hour** | **All** | **0** | **48** | **203** | **18** | **0** | **286** | **103** | **62** | **0** | **8** | **218** | **113** | **0** | **80** | **208** | **28** | **1,375** | **0** |
| | **HV** | **0** | **0** | **2** | **0** | **0** | **8** | **2** | **4** | **0** | **0** | **12** | **3** | **0** | **1** | **10** | **0** | **42** | **0** |
| | **HV%** | **-** | **0%** | **1%** | **0%** | **-** | **3%** | **2%** | **6%** | **-** | **0%** | **6%** | **3%** | **-** | **1%** | **5%** | **0%** | **3%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals EB | WB | NB | SB | Total | Bicycles EB | WB | NB | SB | Total | Pedestrians (Crossing Leg) East | West | North | South | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4:00 PM** | **0** | **5** | **3** | **4** | ***12*** | **6** | **4** | **1** | **2** | ***13*** | **17** | **6** | **24** | **13** | *60* |
| **4:15 PM** | **0** | **4** | **3** | **1** | ***8*** | **1** | **5** | **2** | **1** | ***9*** | **17** | **4** | **25** | **14** | *60* |
| **4:30 PM** | **1** | **2** | **4** | **4** | ***11*** | **4** | **2** | **3** | **1** | ***10*** | **10** | **15** | **38** | **7** | *70* |
| **4:45 PM** | **1** | **3** | **5** | **2** | ***11*** | **4** | **4** | **1** | **2** | ***11*** | **8** | **18** | **31** | **4** | ***61*** |
| 5:00 PM | 1 | 4 | 3 | 3 | *11* | 7 | 5 | 6 | 3 | *21* | 16 | 13 | 25 | 14 | *68* |
| 5:15 PM | 0 | 3 | 1 | 1 | *5* | 3 | 2 | 1 | 3 | *9* | 16 | 8 | 28 | 5 | *57* |
| 5:30 PM | 2 | 4 | 5 | 4 | *15* | 3 | 4 | 4 | 2 | *13* | 13 | 4 | 28 | 6 | *51* |
| 5:45 PM | 1 | 2 | 7 | 5 | *15* | 0 | 4 | 2 | 3 | *9* | 17 | 10 | 45 | 9 | *81* |
| Count Total | 6 | 27 | 31 | 24 | *88* | 28 | 30 | 20 | 17 | *95* | 114 | 78 | 244 | 72 | *508* |
| **Peak Hour** | **2** | **14** | **15** | **11** | ***42*** | **15** | **15** | **7** | **6** | ***43*** | **52** | **43** | **118** | **38** | ***251*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Soquel Ave | | | | Soquel Ave | | | | Front St | | | | Front St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| **4:00 PM** | **0** | **0** | **0** | **0** | **0** | **2** | **2** | **1** | **0** | **0** | **1** | **2** | **0** | **1** | **3** | **0** | **12** | 0 |
| **4:15 PM** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **1** | **0** | **0** | **3** | **0** | **0** | **0** | **1** | **0** | **8** | 0 |
| **4:30 PM** | **0** | **0** | **1** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **3** | **1** | **0** | **0** | **4** | **0** | **11** | 0 |
| **4:45 PM** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **2** | **0** | **0** | **5** | **0** | **0** | **0** | **2** | **0** | **11** | **42** |
| 5:00 PM | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 0 | 11 | 41 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 5 | 38 |
| 5:30 PM | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 4 | 0 | 15 | 42 |
| 5:45 PM | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 1 | 4 | 0 | 15 | 46 |
| Count Total | 0 | 1 | 4 | 1 | 0 | 16 | 3 | 8 | 0 | 0 | 24 | 7 | 0 | 3 | 21 | 0 | 88 | 0 |
| **Peak Hour** | **0** | **0** | **2** | **0** | **0** | **8** | **2** | **4** | **0** | **0** | **12** | **3** | **0** | **1** | **10** | **0** | **42** | **0** |

## Two-Hour Count Summaries - Bikes

| Interval Start | Soquel Ave | | | Soquel Ave | | | Front St | | | Front St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| **4:00 PM** | **1** | **5** | **0** | **1** | **3** | **0** | **0** | **1** | **0** | **2** | **0** | **0** | **13** | 0 |
| **4:15 PM** | **0** | **1** | **0** | **2** | **2** | **1** | **0** | **2** | **0** | **1** | **0** | **0** | **9** | 0 |
| **4:30 PM** | **1** | **3** | **0** | **0** | **2** | **0** | **0** | **2** | **1** | **0** | **1** | **0** | **10** | 0 |
| **4:45 PM** | **0** | **4** | **0** | **1** | **3** | **0** | **0** | **1** | **0** | **0** | **1** | **1** | **11** | **43** |
| 5:00 PM | 1 | 6 | 0 | 0 | 3 | 2 | 0 | 5 | 1 | 1 | 0 | 2 | 21 | 51 |
| 5:15 PM | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 9 | 51 |
| 5:30 PM | 1 | 2 | 0 | 0 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 2 | 13 | 54 |
| 5:45 PM | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 9 | 52 |
| Count Total | 5 | 23 | 0 | 4 | 21 | 5 | 0 | 15 | 5 | 6 | 3 | 8 | 95 | 0 |
| **Peak Hour** | **2** | **13** | **0** | **4** | **10** | **1** | **0** | **6** | **1** | **3** | **2** | **1** | **43** | **0** |

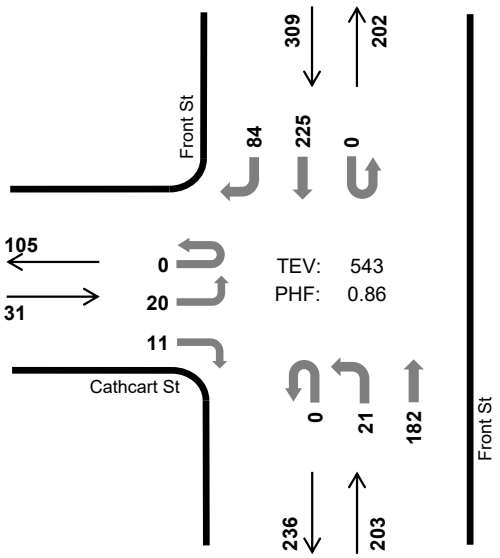
*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

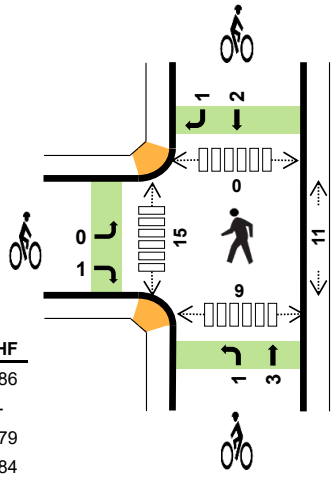
# Front St
# Cathcart St

**Date:** 09/15/2022
**Count Period:** 7:00 AM to 9:00 AM
**Peak Hour:** 8:00 AM to 9:00 AM

N

Peak Hour




| | HV %: | PHF |
|---|---|---|
| EB | 9.7% | 0.86 |
| WB | - | - |
| NB | 12.8% | 0.79 |
| SB | 11.7% | 0.84 |
| TOTAL | 12.0% | 0.86 |

## Two-Hour Count Summaries

| Interval Start | | Cathcart St Eastbound | | | | N/A Westbound | | | | Front St Northbound | | | | Front St Southbound | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 18 | 0 | 0 | 0 | 19 | 12 | 62 | 0 |
| 7:15 AM | | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 16 | 0 | 0 | 0 | 25 | 10 | 64 | 0 |
| 7:30 AM | | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 26 | 0 | 0 | 0 | 34 | 11 | 81 | 0 |
| 7:45 AM | | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 40 | 0 | 0 | 0 | 37 | 11 | 104 | 311 |
| **8:00 AM** | | **0** | **6** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **4** | **45** | **0** | **0** | **0** | **51** | **18** | **127** | 376 |
| **8:15 AM** | | **0** | **5** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **2** | **40** | **0** | **0** | **0** | **39** | **24** | **112** | 424 |
| **8:30 AM** | | **0** | **2** | **0** | **4** | **0** | **0** | **0** | **0** | **0** | **9** | **39** | **0** | **0** | **0** | **65** | **27** | **146** | 489 |
| **8:45 AM** | | **0** | **7** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **6** | **58** | **0** | **0** | **0** | **70** | **15** | **158** | **543** |
| Count Total | | 0 | 38 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 44 | 282 | 0 | 0 | 0 | 340 | 128 | 854 | 0 |
| **Peak Hour** | **All** | **0** | **20** | **0** | **11** | **0** | **0** | **0** | **0** | **0** | **21** | **182** | **0** | **0** | **0** | **225** | **84** | **543** | **0** |
| | **HV** | **0** | **1** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **3** | **23** | **0** | **0** | **0** | **22** | **14** | **65** | **0** |
| | **HV%** | **-** | **5%** | **-** | **18%** | **-** | **-** | **-** | **-** | **-** | **14%** | **13%** | **-** | **-** | **-** | **10%** | **17%** | **12%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals | | | | | Bicycles | | | | | Pedestrians (Crossing Leg) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 7:00 AM | 0 | 0 | 3 | 5 | *8* | 0 | 0 | 1 | 0 | *1* | 1 | 5 | 0 | 0 | *6* |
| 7:15 AM | 2 | 0 | 3 | 6 | *11* | 0 | 0 | 3 | 1 | *4* | 1 | 3 | 0 | 0 | *4* |
| 7:30 AM | 0 | 0 | 6 | 11 | *17* | 0 | 0 | 2 | 3 | *5* | 4 | 6 | 1 | 0 | *11* |
| 7:45 AM | 1 | 0 | 5 | 6 | *12* | 1 | 0 | 0 | 0 | *1* | 2 | 2 | 1 | 0 | *5* |
| **8:00 AM** | **2** | **0** | **6** | **9** | ***17*** | **0** | **0** | **1** | **1** | ***2*** | **3** | **1** | **0** | **0** | *4* |
| **8:15 AM** | **0** | **0** | **6** | **9** | ***15*** | **1** | **0** | **0** | **1** | ***2*** | **0** | **7** | **0** | **0** | *7* |
| **8:30 AM** | **1** | **0** | **6** | **10** | ***17*** | **0** | **0** | **0** | **0** | ***0*** | **6** | **5** | **0** | **4** | *15* |
| **8:45 AM** | **0** | **0** | **8** | **8** | ***16*** | **0** | **0** | **3** | **1** | ***4*** | **2** | **2** | **0** | **5** | ***9*** |
| Count Total | 6 | 0 | 43 | 64 | *113* | 2 | 0 | 10 | 7 | *19* | 19 | 31 | 2 | 9 | *61* |
| **Peak Hr** | **3** | **0** | **26** | **36** | ***65*** | **1** | **0** | **4** | **3** | ***8*** | **11** | **15** | **0** | **9** | ***35*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Cathcart St | | | | N/A | | | | Front St | | | | Front St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 2 | 8 | 0 |
| 7:15 AM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 3 | 11 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 7 | 4 | 17 | 0 |
| 7:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 1 | 12 | 48 |
| **8:00 AM** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **2** | **4** | **0** | **0** | **0** | **7** | **2** | **17** | 57 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **0** | **0** | **0** | **4** | **5** | **15** | 61 |
| **8:30 AM** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **0** | **0** | **0** | **6** | **4** | **17** | 61 |
| **8:45 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **0** | **0** | **5** | **3** | **16** | **65** |
| Count Total | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 39 | 0 | 0 | 0 | 40 | 24 | 113 | 0 |
| **Peak Hour** | **0** | **1** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **3** | **23** | **0** | **0** | **0** | **22** | **14** | **65** | **0** |

## Two-Hour Count Summaries - Bikes

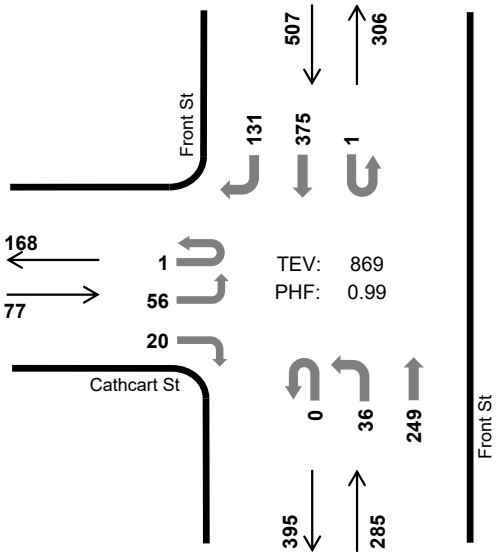
| Interval Start | Cathcart St | | | N/A | | | Front St | | | Front St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 4 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 5 | 0 |
| 7:45 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| **8:00 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **2** | 12 |
| **8:15 AM** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **2** | 10 |
| **8:30 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | 5 |
| **8:45 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **0** | **0** | **0** | **1** | **4** | **8** |
| Count Total | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 5 | 2 | 19 | 0 |
| **Peak Hour** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **3** | **0** | **0** | **2** | **1** | **8** | **0** |

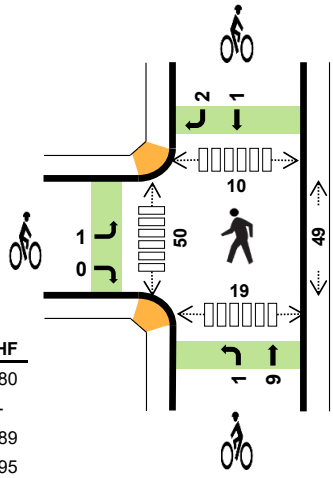
*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

# Front St
# Cathcart St

Peak Hour

**Date:** 09/15/2022
**Count Period:** 4:00 PM to 6:00 PM
**Peak Hour:** 4:45 PM to 5:45 PM




| | HV %: | PHF |
|---|---|---|
| EB | 6.5% | 0.80 |
| WB | - | - |
| NB | 4.2% | 0.89 |
| SB | 3.4% | 0.95 |
| TOTAL | 3.9% | 0.99 |

## Two-Hour Count Summaries

| Interval Start | | Cathcart St Eastbound | | | | N/A Westbound | | | | Front St Northbound | | | | Front St Southbound | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 4:00 PM | | 0 | 11 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 69 | 0 | 0 | 0 | 102 | 26 | 221 | 0 |
| 4:15 PM | | 0 | 9 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 9 | 73 | 0 | 0 | 0 | 87 | 28 | 209 | 0 |
| 4:30 PM | | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 65 | 0 | 0 | 0 | 96 | 32 | 214 | 0 |
| **4:45 PM** | | **0** | **15** | **0** | **5** | **0** | **0** | **0** | **0** | **0** | **8** | **72** | **0** | **0** | **0** | **90** | **30** | **220** | 864 |
| **5:00 PM** | | **0** | **17** | **0** | **7** | **0** | **0** | **0** | **0** | **0** | **12** | **60** | **0** | **0** | **0** | **87** | **35** | **218** | 861 |
| **5:15 PM** | | **0** | **7** | **0** | **4** | **0** | **0** | **0** | **0** | **0** | **9** | **60** | **0** | **1** | **0** | **99** | **33** | **213** | 865 |
| **5:30 PM** | | **1** | **17** | **0** | **4** | **0** | **0** | **0** | **0** | **0** | **7** | **57** | **0** | **0** | **0** | **99** | **33** | **218** | **869** |
| 5:45 PM | | 0 | 13 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 78 | 0 | 0 | 0 | 87 | 29 | 220 | 869 |
| Count Total | | 1 | 101 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 71 | 534 | 0 | 1 | 0 | 747 | 246 | 1,733 | 0 |
| **Peak Hour** | **All** | **1** | **56** | **0** | **20** | **0** | **0** | **0** | **0** | **0** | **36** | **249** | **0** | **1** | **0** | **375** | **131** | **869** | **0** |
| | **HV** | **0** | **4** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **10** | **0** | **0** | **0** | **9** | **8** | **34** | **0** |
| | **HV%** | **0%** | **7%** | **-** | **5%** | **-** | **-** | **-** | **-** | **-** | **6%** | **4%** | **-** | **0%** | **-** | **2%** | **6%** | **4%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals | | | | | Bicycles | | | | | Pedestrians (Crossing Leg) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 4:00 PM | 1 | 0 | 3 | 5 | *9* | 0 | 0 | 0 | 1 | *1* | 12 | 8 | 5 | 5 | *30* |
| 4:15 PM | 0 | 0 | 3 | 5 | *8* | 2 | 0 | 1 | 2 | *5* | 8 | 12 | 4 | 2 | *26* |
| 4:30 PM | 1 | 0 | 3 | 7 | *11* | 1 | 0 | 3 | 4 | *8* | 7 | 23 | 0 | 3 | *33* |
| **4:45 PM** | **2** | **0** | **5** | **3** | ***10*** | **0** | **0** | **1** | **0** | ***1*** | **8** | **18** | **3** | **2** | *31* |
| **5:00 PM** | **1** | **0** | **2** | **4** | ***7*** | **1** | **0** | **5** | **1** | ***7*** | **11** | **13** | **2** | **9** | *35* |
| **5:15 PM** | **0** | **0** | **2** | **4** | ***6*** | **0** | **0** | **0** | **1** | ***1*** | **12** | **2** | **3** | **4** | *21* |
| **5:30 PM** | **2** | **0** | **3** | **6** | ***11*** | **0** | **0** | **4** | **1** | ***5*** | **18** | **17** | **2** | **4** | ***41*** |
| 5:45 PM | 2 | 0 | 6 | 6 | *14* | 2 | 0 | 0 | 0 | *2* | 10 | 9 | 6 | 3 | *28* |
| Count Total | 9 | 0 | 27 | 40 | *76* | 6 | 0 | 14 | 10 | *30* | 86 | 102 | 25 | 32 | *245* |
| **Peak Hr** | **5** | **0** | **12** | **17** | ***34*** | **1** | **0** | **10** | **3** | ***14*** | **49** | **50** | **10** | **19** | ***128*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Cathcart St | | | | N/A | | | | Front St | | | | Front St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 4:00 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 | 2 | 9 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 2 | 8 | 0 |
| 4:30 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 2 | 11 | 0 |
| **4:45 PM** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **0** | **0** | **0** | **1** | **2** | **10** | 38 |
| **5:00 PM** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **4** | **0** | **7** | 36 |
| **5:15 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** | **1** | **3** | **6** | 34 |
| **5:30 PM** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **3** | **3** | **11** | **34** |
| 5:45 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 3 | 3 | 14 | 38 |
| Count Total | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 23 | 0 | 0 | 0 | 23 | 17 | 76 | 0 |
| **Peak Hour** | **0** | **4** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **10** | **0** | **0** | **0** | **9** | **8** | **34** | **0** |

## Two-Hour Count Summaries - Bikes

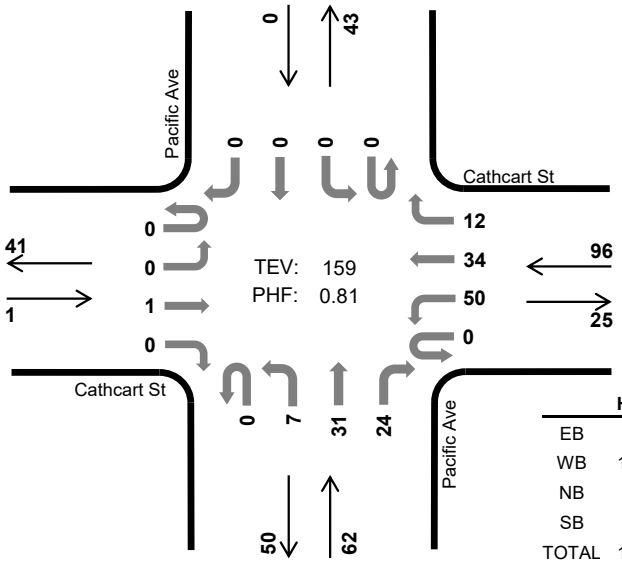
| Interval Start | Cathcart St | | | N/A | | | Front St | | | Front St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 4:15 PM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 0 |
| 4:30 PM | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 4 | 0 | 8 | 0 |
| **4:45 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | 15 |
| **5:00 PM** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **0** | **0** | **1** | **0** | **7** | 21 |
| **5:15 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | 17 |
| **5:30 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **0** | **0** | **1** | **5** | **14** |
| 5:45 PM | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 |
| Count Total | 3 | 0 | 3 | 0 | 0 | 0 | 2 | 12 | 0 | 0 | 6 | 4 | 30 | 0 |
| **Peak Hour** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **9** | **0** | **0** | **1** | **2** | **14** | **0** |

*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

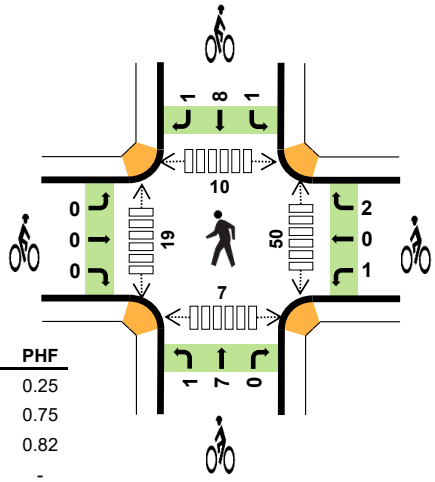
# Pacific Ave
# Cathcart St

**Date:** 09/15/2022
**Count Period:** 7:00 AM to 9:00 AM
**Peak Hour:** 8:00 AM to 9:00 AM

Peak Hour




| | HV %: | PHF |
|---|---|---|
| EB | 0.0% | 0.25 |
| WB | 18.8% | 0.75 |
| NB | 9.7% | 0.82 |
| SB | - | - |
| TOTAL | 15.1% | 0.81 |




## Two-Hour Count Summaries

| Interval Start | | Cathcart St Eastbound UT | LT | TH | RT | Cathcart St Westbound UT | LT | TH | RT | Pacific Ave Northbound UT | LT | TH | RT | Pacific Ave Southbound UT | LT | TH | RT | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7:00 AM | | 0 | 0 | 2 | 0 | 1 | 6 | 5 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 19 | 0 |
| 7:15 AM | | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 0 | 3 | 9 | 3 | 0 | 0 | 0 | 0 | 26 | 0 |
| 7:30 AM | | 0 | 1 | 0 | 1 | 0 | 10 | 3 | 1 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 23 | 0 |
| 7:45 AM | | 0 | 0 | 2 | 0 | 0 | 7 | 6 | 1 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 22 | 90 |
| **8:00 AM** | | **0** | **0** | **0** | **0** | **0** | **15** | **5** | **1** | **0** | **2** | **4** | **7** | **0** | **0** | **0** | **0** | **34** | 105 |
| **8:15 AM** | | **0** | **0** | **0** | **0** | **0** | **10** | **9** | **4** | **0** | **2** | **12** | **5** | **0** | **0** | **0** | **0** | **42** | 121 |
| **8:30 AM** | | **0** | **0** | **1** | **0** | **0** | **18** | **10** | **4** | **0** | **2** | **8** | **6** | **0** | **0** | **0** | **0** | **49** | 147 |
| **8:45 AM** | | **0** | **0** | **0** | **0** | **0** | **7** | **10** | **3** | **0** | **1** | **7** | **6** | **0** | **0** | **0** | **0** | **34** | **159** |
| Count Total | | 0 | 1 | 5 | 1 | 1 | 79 | 52 | 15 | 0 | 13 | 50 | 31 | 0 | 1 | 0 | 0 | 249 | 0 |
| **Peak Hour** | **All** | **0** | **0** | **1** | **0** | **0** | **50** | **34** | **12** | **0** | **7** | **31** | **24** | **0** | **0** | **0** | **0** | **159** | **0** |
| | **HV** | **0** | **0** | **0** | **0** | **0** | **16** | **2** | **0** | **0** | **1** | **2** | **3** | **0** | **0** | **0** | **0** | **24** | **0** |
| | **HV%** | **-** | **-** | **0%** | **-** | **-** | **32%** | **6%** | **0%** | **-** | **14%** | **6%** | **13%** | **-** | **-** | **-** | **-** | **15%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals EB | WB | NB | SB | Total | Bicycles EB | WB | NB | SB | Total | Pedestrians (Crossing Leg) East | West | North | South | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7:00 AM | 1 | 2 | 0 | 0 | *3* | 0 | 0 | 2 | 0 | *2* | 4 | 0 | 1 | 1 | *6* |
| 7:15 AM | 0 | 3 | 1 | 0 | *4* | 0 | 2 | 2 | 1 | *5* | 12 | 6 | 2 | 2 | *22* |
| 7:30 AM | 0 | 6 | 1 | 0 | *7* | 0 | 1 | 1 | 0 | *2* | 7 | 10 | 1 | 0 | *18* |
| 7:45 AM | 0 | 1 | 1 | 0 | *2* | 0 | 0 | 0 | 2 | *2* | 14 | 9 | 1 | 3 | *27* |
| **8:00 AM** | **0** | **5** | **2** | **0** | ***7*** | **0** | **1** | **3** | **4** | ***8*** | **9** | **4** | **4** | **3** | *20* |
| **8:15 AM** | **0** | **4** | **1** | **0** | ***5*** | **0** | **0** | **0** | **1** | ***1*** | **15** | **6** | **3** | **1** | *25* |
| **8:30 AM** | **0** | **6** | **2** | **0** | ***8*** | **0** | **0** | **1** | **3** | ***4*** | **13** | **5** | **2** | **3** | *23* |
| **8:45 AM** | **0** | **3** | **1** | **0** | ***4*** | **0** | **2** | **4** | **2** | ***8*** | **13** | **4** | **1** | **0** | ***18*** |
| Count Total | 1 | 30 | 9 | 0 | *40* | 0 | 6 | 13 | 13 | *32* | 87 | 44 | 15 | 13 | *159* |
| **Peak Hour** | **0** | **18** | **6** | **0** | ***24*** | **0** | **3** | **8** | **10** | ***21*** | **50** | **19** | **10** | **7** | ***86*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Cathcart St | | | | Cathcart St | | | | Pacific Ave | | | | Pacific Ave | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 16 |
| **8:00 AM** | **0** | **0** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **7** | 20 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **5** | 21 |
| **8:30 AM** | **0** | **0** | **0** | **0** | **0** | **5** | **1** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **8** | 22 |
| **8:45 AM** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **4** | **24** |
| Count Total | 0 | 0 | 1 | 0 | 0 | 28 | 2 | 0 | 0 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 40 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **0** | **0** | **16** | **2** | **0** | **0** | **1** | **2** | **3** | **0** | **0** | **0** | **0** | **24** | **0** |

## Two-Hour Count Summaries - Bikes

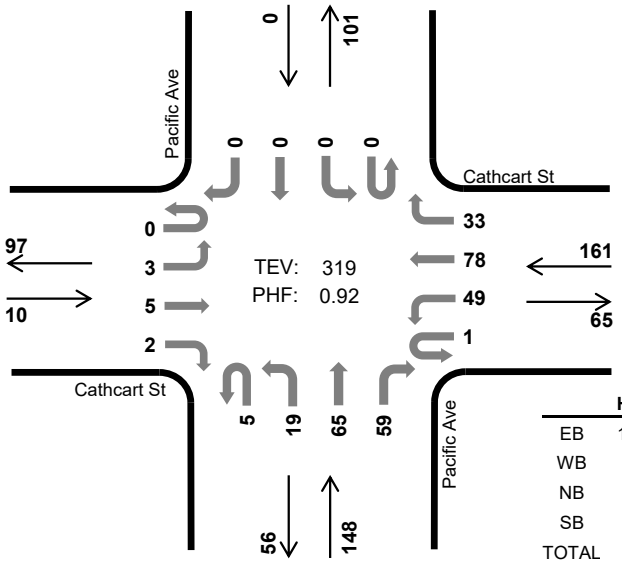
| Interval Start | Cathcart St | | | Cathcart St | | | Pacific Ave | | | Pacific Ave | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 5 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 11 |
| **8:00 AM** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **3** | **0** | **0** | **4** | **0** | **8** | 17 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | 13 |
| **8:30 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **3** | **0** | **4** | 15 |
| **8:45 AM** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **4** | **0** | **0** | **1** | **1** | **8** | **21** |
| Count Total | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 11 | 1 | 1 | 11 | 1 | 32 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **1** | **0** | **2** | **1** | **7** | **0** | **1** | **8** | **1** | **21** | **0** |

*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

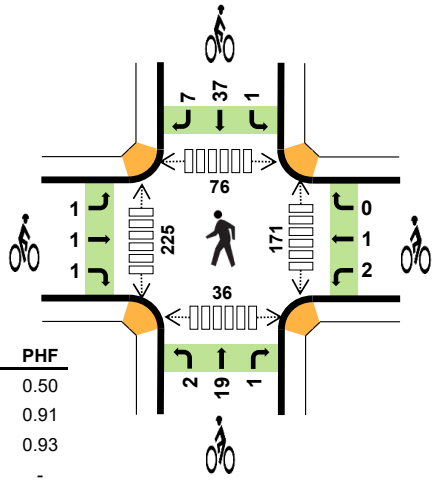
# Pacific Ave
# Cathcart St

**Date:** 09/15/2022
**Count Period:** 4:00 PM to 6:00 PM
**Peak Hour:** 4:45 PM to 5:45 PM

Peak Hour




| | HV %: | PHF |
|---|---|---|
| EB | 10.0% | 0.50 |
| WB | 5.6% | 0.91 |
| NB | 5.4% | 0.93 |
| SB | - | - |
| TOTAL | 5.6% | 0.92 |




## Two-Hour Count Summaries

| Interval Start | | Cathcart St Eastbound UT | LT | TH | RT | Cathcart St Westbound UT | LT | TH | RT | Pacific Ave Northbound UT | LT | TH | RT | Pacific Ave Southbound UT | LT | TH | RT | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:00 PM | | 0 | 0 | 2 | 0 | 0 | 17 | 9 | 4 | 1 | 3 | 20 | 11 | 0 | 0 | 0 | 0 | 67 | 0 |
| 4:15 PM | | 0 | 0 | 0 | 0 | 0 | 19 | 11 | 11 | 1 | 3 | 14 | 7 | 0 | 0 | 0 | 0 | 66 | 0 |
| 4:30 PM | | 0 | 0 | 0 | 0 | 0 | 14 | 11 | 13 | 0 | 2 | 21 | 13 | 0 | 0 | 0 | 0 | 74 | 0 |
| **4:45 PM** | | **0** | **1** | **0** | **0** | **0** | **17** | **19** | **8** | **1** | **4** | **13** | **22** | **0** | **0** | **0** | **0** | **85** | 292 |
| **5:00 PM** | | **0** | **2** | **0** | **0** | **1** | **9** | **21** | **7** | **1** | **5** | **20** | **13** | **0** | **0** | **0** | **0** | **79** | 304 |
| **5:15 PM** | | **0** | **0** | **1** | **1** | **0** | **12** | **19** | **5** | **1** | **3** | **18** | **8** | **0** | **0** | **0** | **0** | **68** | 306 |
| **5:30 PM** | | **0** | **0** | **4** | **1** | **0** | **11** | **19** | **13** | **2** | **7** | **14** | **16** | **0** | **0** | **0** | **0** | **87** | **319** |
| 5:45 PM | | 0 | 3 | 2 | 2 | 0 | 10 | 13 | 11 | 0 | 4 | 19 | 9 | 0 | 0 | 0 | 0 | 73 | 307 |
| Count Total | | 0 | 6 | 9 | 4 | 1 | 109 | 122 | 72 | 7 | 31 | 139 | 99 | 0 | 0 | 0 | 0 | 599 | 0 |
| **Peak Hour** | **All** | **0** | **3** | **5** | **2** | **1** | **49** | **78** | **33** | **5** | **19** | **65** | **59** | **0** | **0** | **0** | **0** | **319** | **0** |
| | **HV** | **0** | **0** | **1** | **0** | **0** | **9** | **0** | **0** | **0** | **2** | **1** | **5** | **0** | **0** | **0** | **0** | **18** | **0** |
| | **HV%** | **-** | **0%** | **20%** | **0%** | **0%** | **18%** | **0%** | **0%** | **0%** | **11%** | **2%** | **8%** | **-** | **-** | **-** | **-** | **6%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals EB | WB | NB | SB | Total | Bicycles EB | WB | NB | SB | Total | Pedestrians (Crossing Leg) East | West | North | South | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:00 PM | 0 | 2 | 2 | 0 | *4* | 0 | 0 | 2 | 8 | *10* | 56 | 81 | 27 | 12 | *176* |
| 4:15 PM | 0 | 4 | 0 | 0 | *4* | 2 | 2 | 2 | 12 | *18* | 44 | 64 | 9 | 12 | *129* |
| 4:30 PM | 0 | 2 | 3 | 0 | *5* | 1 | 1 | 5 | 13 | *20* | 67 | 46 | 23 | 6 | *142* |
| **4:45 PM** | **0** | **3** | **2** | **0** | ***5*** | **0** | **2** | **11** | **14** | ***27*** | **31** | **56** | **10** | **14** | *111* |
| **5:00 PM** | **0** | **0** | **1** | **0** | ***1*** | **3** | **0** | **2** | **11** | ***16*** | **47** | **55** | **20** | **4** | *126* |
| **5:15 PM** | **0** | **3** | **0** | **0** | ***3*** | **0** | **0** | **4** | **8** | ***12*** | **51** | **42** | **23** | **9** | *125* |
| **5:30 PM** | **1** | **3** | **5** | **0** | ***9*** | **0** | **1** | **5** | **12** | ***18*** | **42** | **72** | **23** | **9** | ***146*** |
| 5:45 PM | 0 | 4 | 2 | 0 | *6* | 0 | 0 | 6 | 3 | *9* | 53 | 78 | 14 | 7 | *152* |
| Count Total | 1 | 21 | 15 | 0 | *37* | 6 | 6 | 37 | 81 | *130* | 391 | 494 | 149 | 73 | *1,107* |
| **Peak Hour** | **1** | **9** | **8** | **0** | ***18*** | **3** | **3** | **22** | **45** | ***73*** | **171** | **225** | **76** | **36** | ***508*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | Cathcart St | | | | Cathcart St | | | | Pacific Ave | | | | Pacific Ave | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 5 | 0 |
| **4:45 PM** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **5** | 18 |
| **5:00 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | 15 |
| **5:15 PM** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | 14 |
| **5:30 PM** | **0** | **0** | **1** | **0** | **0** | **3** | **0** | **0** | **0** | **2** | **1** | **2** | **0** | **0** | **0** | **0** | **9** | **18** |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 19 |
| Count Total | 0 | 0 | 1 | 0 | 0 | 19 | 1 | 1 | 0 | 3 | 3 | 9 | 0 | 0 | 0 | 0 | 37 | 0 |
| **Peak Hour** | **0** | **0** | **1** | **0** | **0** | **9** | **0** | **0** | **0** | **2** | **1** | **5** | **0** | **0** | **0** | **0** | **18** | **0** |

## Two-Hour Count Summaries - Bikes

| Interval Start | Cathcart St | | | Cathcart St | | | Pacific Ave | | | Pacific Ave | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 8 | 0 | 10 | 0 |
| 4:15 PM | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 11 | 0 | 18 | 0 |
| 4:30 PM | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 12 | 1 | 20 | 0 |
| **4:45 PM** | **0** | **0** | **0** | **1** | **1** | **0** | **2** | **8** | **1** | **0** | **13** | **1** | **27** | 75 |
| **5:00 PM** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **7** | **4** | **16** | 81 |
| **5:15 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **0** | **7** | **1** | **12** | 75 |
| **5:30 PM** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **5** | **0** | **1** | **10** | **1** | **18** | **73** |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 3 | 0 | 9 | 55 |
| Count Total | 3 | 2 | 1 | 3 | 2 | 1 | 2 | 32 | 3 | 2 | 71 | 8 | 130 | 0 |
| **Peak Hour** | **1** | **1** | **1** | **2** | **1** | **0** | **2** | **19** | **1** | **1** | **37** | **7** | **73** | **0** |

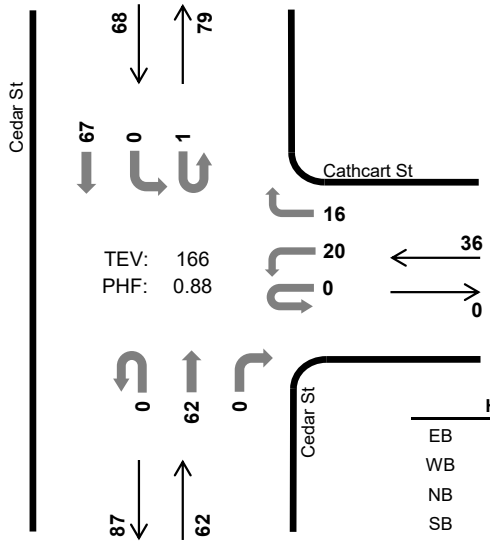
*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

# Cedar St
# Cathcart St

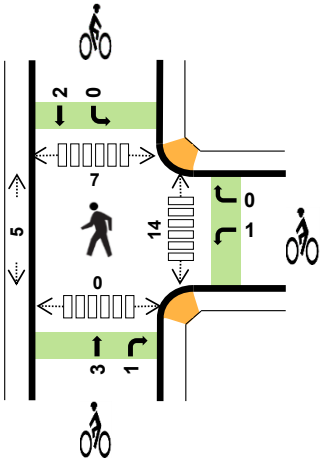
**Date:** 09/15/2022
**Count Period:** 7:00 AM to 9:00 AM
**Peak Hour:** 8:00 AM to 9:00 AM

N

Peak Hour




| | HV %: | PHF |
|---|---|---|
| EB | - | - |
| WB | 5.6% | 0.82 |
| NB | 6.5% | 0.78 |
| SB | 8.8% | 0.77 |
| TOTAL | 7.2% | 0.88 |




## Two-Hour Count Summaries

| Interval Start | | N/A Eastbound | | | | Cathcart St Westbound | | | | Cedar St Northbound | | | | Cedar St Southbound | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 | 13 | 0 |
| 7:15 AM | | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 8 | 0 | 15 | 0 |
| 7:30 AM | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 14 | 0 | 0 | 0 | 11 | 0 | 30 | 0 |
| 7:45 AM | | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 15 | 0 | 0 | 0 | 9 | 0 | 30 | 88 |
| **8:00 AM** | | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **2** | **0** | **0** | **12** | **0** | **0** | **0** | **12** | **0** | **30** | 105 |
| **8:15 AM** | | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **7** | **0** | **0** | **14** | **0** | **1** | **0** | **21** | **0** | **47** | 137 |
| **8:30 AM** | | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **1** | **0** | **0** | **16** | **0** | **0** | **0** | **18** | **0** | **43** | 150 |
| **8:45 AM** | | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **6** | **0** | **0** | **20** | **0** | **0** | **0** | **16** | **0** | **46** | **166** |
| Count Total | | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 25 | 0 | 0 | 99 | 0 | 1 | 0 | 98 | 0 | 254 | 0 |
| **Peak Hour** | **All** | **0** | **0** | **0** | **0** | **0** | **20** | **0** | **16** | **0** | **0** | **62** | **0** | **1** | **0** | **67** | **0** | **166** | **0** |
| | **HV** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **4** | **0** | **0** | **0** | **6** | **0** | **12** | **0** |
| | **HV%** | **-** | **-** | **-** | **-** | **-** | **5%** | **-** | **6%** | **-** | **-** | **6%** | **-** | **0%** | **-** | **9%** | **-** | **7%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals | | | | | Bicycles | | | | | Pedestrians (Crossing Leg) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 7:00 AM | 0 | 0 | 2 | 1 | *3* | 0 | 0 | 0 | 0 | *0* | 1 | 0 | 1 | 1 | *3* |
| 7:15 AM | 0 | 0 | 0 | 1 | *1* | 0 | 0 | 0 | 0 | *0* | 1 | 0 | 0 | 0 | *1* |
| 7:30 AM | 0 | 1 | 2 | 1 | *4* | 0 | 1 | 0 | 1 | *2* | 2 | 0 | 1 | 0 | *3* |
| 7:45 AM | 0 | 0 | 0 | 1 | *1* | 0 | 0 | 1 | 4 | *5* | 2 | 1 | 1 | 0 | *4* |
| **8:00 AM** | **0** | **0** | **3** | **1** | ***4*** | **0** | **0** | **1** | **0** | ***1*** | **4** | **2** | **5** | **0** | *11* |
| **8:15 AM** | **0** | **0** | **0** | **2** | ***2*** | **0** | **0** | **1** | **0** | ***1*** | **5** | **1** | **1** | **0** | *7* |
| **8:30 AM** | **0** | **2** | **0** | **1** | ***3*** | **0** | **0** | **2** | **0** | ***2*** | **2** | **1** | **1** | **0** | *4* |
| **8:45 AM** | **0** | **0** | **1** | **2** | ***3*** | **0** | **1** | **0** | **2** | ***3*** | **3** | **1** | **0** | **0** | ***4*** |
| Count Total | 0 | 3 | 8 | 10 | *21* | 0 | 2 | 5 | 7 | *14* | 20 | 6 | 10 | 1 | *37* |
| **Peak Hr** | **0** | **2** | **4** | **6** | ***12*** | **0** | **1** | **4** | **2** | ***7*** | **14** | **5** | **7** | **0** | ***26*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | N/A | | | | Cathcart St | | | | Cedar St | | | | Cedar St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 9 |
| **8:00 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **1** | **0** | **4** | 10 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **2** | 11 |
| **8:30 AM** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **3** | 10 |
| **8:45 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **0** | **3** | **12** |
| Count Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 10 | 0 | 21 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **4** | **0** | **0** | **0** | **6** | **0** | **12** | **0** |

## Two-Hour Count Summaries - Bikes

| Interval Start | N/A | | | Cathcart St | | | Cedar St | | | Cedar St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 5 | 7 |
| **8:00 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | 8 |
| **8:15 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | 9 |
| **8:30 AM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **2** | 9 |
| **8:45 AM** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **3** | **7** |
| Count Total | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 1 | 0 | 7 | 0 | 14 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **3** | **1** | **0** | **2** | **0** | **7** | **0** |

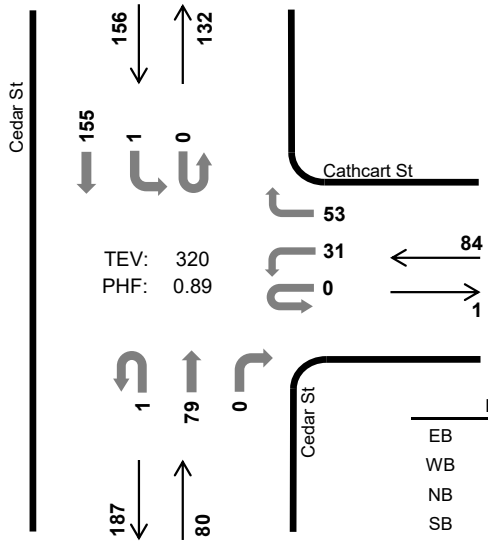
*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

# Cedar St
# Cathcart St

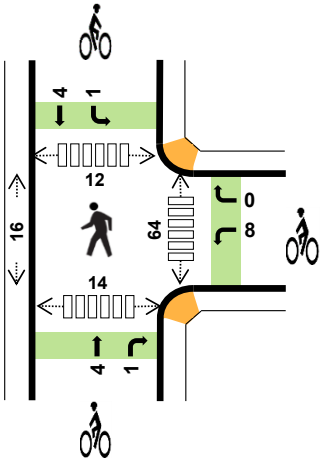
**Date:** 09/15/2022
**Count Period:** 4:00 PM to 6:00 PM
**Peak Hour:** 4:30 PM to 5:30 PM

N

Peak Hour




| | HV %: | PHF |
|---|---|---|
| EB | - | - |
| WB | 1.2% | 0.81 |
| NB | 1.3% | 0.80 |
| SB | 3.2% | 0.91 |
| TOTAL | 2.2% | 0.89 |




## Two-Hour Count Summaries

| Interval Start | | N/A Eastbound | | | | Cathcart St Westbound | | | | Cedar St Northbound | | | | Cedar St Southbound | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 4:00 PM | | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 11 | 0 | 0 | 21 | 0 | 0 | 0 | 29 | 0 | 67 | 0 |
| 4:15 PM | | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 11 | 0 | 0 | 22 | 0 | 1 | 0 | 36 | 0 | 75 | 0 |
| **4:30 PM** | | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **10** | **0** | **0** | **17** | **0** | **0** | **0** | **36** | **0** | **71** | 0 |
| **4:45 PM** | | **0** | **0** | **0** | **0** | **0** | **7** | **0** | **11** | **0** | **0** | **22** | **0** | **0** | **1** | **42** | **0** | **83** | 296 |
| **5:00 PM** | | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **18** | **1** | **0** | **24** | **0** | **0** | **0** | **39** | **0** | **90** | 319 |
| **5:15 PM** | | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **14** | **0** | **0** | **16** | **0** | **0** | **0** | **38** | **0** | **76** | **320** |
| 5:30 PM | | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 8 | 0 | 0 | 16 | 1 | 1 | 0 | 27 | 0 | 68 | 317 |
| 5:45 PM | | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 11 | 0 | 0 | 19 | 0 | 2 | 0 | 37 | 0 | 73 | 307 |
| Count Total | | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 94 | 1 | 0 | 157 | 1 | 4 | 1 | 284 | 0 | 603 | 0 |
| **Peak Hour** | **All** | **0** | **0** | **0** | **0** | **0** | **31** | **0** | **53** | **1** | **0** | **79** | **0** | **0** | **1** | **155** | **0** | **320** | **0** |
| | **HV** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **5** | **0** | **7** | **0** |
| | **HV%** | **-** | **-** | **-** | **-** | **-** | **0%** | **-** | **2%** | **0%** | **-** | **1%** | **-** | **-** | **0%** | **3%** | **-** | **2%** | **0** |

*Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.*

| Interval Start | Heavy Vehicle Totals EB | WB | NB | SB | Total | Bicycles EB | WB | NB | SB | Total | Pedestrians (Crossing Leg) East | West | North | South | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4:00 PM | 0 | 1 | 1 | 0 | *2* | 0 | 0 | 0 | 3 | *3* | 14 | 7 | 3 | 0 | *24* |
| 4:15 PM | 0 | 0 | 0 | 0 | *0* | 0 | 3 | 4 | 2 | *9* | 12 | 4 | 3 | 1 | *20* |
| **4:30 PM** | **0** | **0** | **0** | **3** | ***3*** | **0** | **1** | **1** | **1** | ***3*** | **11** | **5** | **1** | **9** | *26* |
| **4:45 PM** | **0** | **1** | **0** | **0** | ***1*** | **0** | **2** | **2** | **2** | ***6*** | **14** | **4** | **1** | **1** | *20* |
| **5:00 PM** | **0** | **0** | **1** | **1** | ***2*** | **0** | **4** | **1** | **2** | ***7*** | **13** | **6** | **8** | **3** | *30* |
| **5:15 PM** | **0** | **0** | **0** | **1** | ***1*** | **0** | **1** | **1** | **0** | ***2*** | **26** | **1** | **2** | **1** | ***30*** |
| 5:30 PM | 0 | 1 | 2 | 1 | *4* | 0 | 1 | 1 | 5 | *7* | 22 | 3 | 9 | 0 | *34* |
| 5:45 PM | 0 | 0 | 1 | 0 | *1* | 0 | 1 | 1 | 4 | *6* | 27 | 1 | 3 | 2 | *33* |
| Count Total | 0 | 3 | 5 | 6 | *14* | 0 | 13 | 11 | 19 | *43* | 139 | 31 | 30 | 17 | *217* |
| **Peak Hr** | **0** | **1** | **1** | **5** | ***7*** | **0** | **8** | **5** | **5** | ***18*** | **64** | **16** | **12** | **14** | ***106*** |

## Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | N/A | | | | Cathcart St | | | | Cedar St | | | | Cedar St | | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | | |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **4:30 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **3** | 0 |
| **4:45 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | 6 |
| **5:00 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **0** | **2** | 6 |
| **5:15 PM** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **7** |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 8 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| Count Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 6 | 0 | 14 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **5** | **0** | **7** | **0** |

## Two-Hour Count Summaries - Bikes

| Interval Start | N/A | | | Cathcart St | | | Cedar St | | | Cedar St | | | 15-min Total | Rolling One Hour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Eastbound | | | Westbound | | | Northbound | | | Southbound | | | | |
| | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT | | |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 0 |
| 4:15 PM | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 9 | 0 |
| **4:30 PM** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **3** | 0 |
| **4:45 PM** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **1** | **1** | **0** | **2** | **0** | **6** | 21 |
| **5:00 PM** | **0** | **0** | **0** | **4** | **0** | **0** | **0** | **1** | **0** | **0** | **2** | **0** | **7** | 25 |
| **5:15 PM** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **2** | **18** |
| 5:30 PM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 7 | 22 |
| 5:45 PM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 6 | 22 |
| Count Total | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 9 | 2 | 6 | 13 | 0 | 43 | 0 |
| **Peak Hour** | **0** | **0** | **0** | **8** | **0** | **0** | **0** | **4** | **1** | **1** | **4** | **0** | **18** | **0** |

*Note: U-Turn volumes for bikes are included in Left-Turn, if any.*

# Appendix B

*Analysis Worksheets for Existing (2022) Conditions*

| Lane Group | EBT | WBL | WBT | WBR | NBT | SBL | SBT |
|---|---|---|---|---|---|---|---|
| Lane Group Flow (vph) | 113 | 201 | 206 | 63 | 464 | 24 | 267 |
| v/c Ratio | 0.35 | 0.67 | 0.66 | 0.04 | 0.24 | 0.05 | 0.24 |
| Control Delay | 37.8 | 44.5 | 44.1 | 0.1 | 9.2 | 11.1 | 10.8 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 37.8 | 44.5 | 44.1 | 0.1 | 9.2 | 11.1 | 10.8 |
| Queue Length 50th (ft) | 30 | 113 | 115 | 0 | 54 | 6 | 66 |
| Queue Length 95th (ft) | 45 | 168 | 170 | 0 | 80 | 17 | 111 |
| Internal Link Dist (ft) | 141 | | 198 | | 118 | | 108 |
| Turn Bay Length (ft) | | | | 150 | | | |
| Base Capacity (vph) | 827 | 493 | 507 | 1583 | 1932 | 529 | 1095 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.14 | 0.41 | 0.41 | 0.04 | 0.24 | 0.05 | 0.24 |

Intersection Summary

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 23 | 56 | 7 | 257 | 101 | 55 | 16 | 239 | 93 | 18 | 171 | 32 |
| Future Volume (veh/h) | 23 | 56 | 7 | 257 | 101 | 55 | 16 | 239 | 93 | 18 | 171 | 32 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 30 | 74 | 9 | 204 | 239 | 0 | 21 | 319 | 124 | 24 | 225 | 42 |
| Peak Hour Factor | 0.76 | 0.76 | 0.76 | 0.88 | 0.88 | 0.88 | 0.75 | 0.75 | 0.75 | 0.76 | 0.76 | 0.76 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 68 | 176 | 22 | 291 | 305 | | 67 | 756 | 282 | 274 | 484 | 90 |
| Arrive On Green | 0.07 | 0.07 | 0.07 | 0.16 | 0.16 | 0.00 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| Sat Flow, veh/h | 925 | 2412 | 304 | 1781 | 1870 | 1585 | 74 | 2395 | 892 | 947 | 1533 | 286 |
| Grp Volume(v), veh/h | 59 | 0 | 54 | 204 | 239 | 0 | 250 | 0 | 214 | 24 | 0 | 267 |
| Grp Sat Flow(s),veh/h/ln | 1824 | 0 | 1816 | 1781 | 1870 | 1585 | 1820 | 0 | 1541 | 947 | 0 | 1819 |
| Q Serve(g_s), s | 2.8 | 0.0 | 2.5 | 9.7 | 11.0 | 0.0 | 0.0 | 0.0 | 9.9 | 1.9 | 0.0 | 10.6 |
| Cycle Q Clear(g_c), s | 2.8 | 0.0 | 2.5 | 9.7 | 11.0 | 0.0 | 9.5 | 0.0 | 9.9 | 11.8 | 0.0 | 10.6 |
| Prop In Lane | 0.51 | | 0.17 | 1.00 | | 1.00 | 0.08 | | 0.58 | 1.00 | | 0.16 |
| Lane Grp Cap(c), veh/h | 133 | 0 | 133 | 291 | 305 | | 618 | 0 | 486 | 274 | 0 | 574 |
| V/C Ratio(X) | 0.44 | 0.00 | 0.41 | 0.70 | 0.78 | | 0.40 | 0.00 | 0.44 | 0.09 | 0.00 | 0.47 |
| Avail Cap(c_a), veh/h | 434 | 0 | 432 | 523 | 549 | | 618 | 0 | 486 | 274 | 0 | 574 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 40.0 | 0.0 | 39.8 | 35.6 | 36.1 | 0.0 | 24.3 | 0.0 | 24.5 | 29.2 | 0.0 | 24.7 |
| Incr Delay (d2), s/veh | 2.3 | 0.0 | 2.0 | 3.1 | 4.4 | 0.0 | 2.0 | 0.0 | 2.9 | 0.6 | 0.0 | 2.7 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 1.3 | 0.0 | 1.2 | 4.4 | 5.3 | 0.0 | 4.4 | 0.0 | 3.9 | 0.5 | 0.0 | 4.9 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 42.3 | 0.0 | 41.8 | 38.7 | 40.5 | 0.0 | 26.3 | 0.0 | 27.4 | 29.8 | 0.0 | 27.4 |
| LnGrp LOS | D | A | D | D | D | | C | A | C | C | A | C |
| Approach Vol, veh/h | | 113 | | | 443 | A | | 464 | | | 291 | |
| Approach Delay, s/veh | | 42.0 | | | 39.7 | | | 26.8 | | | 27.6 | |
| Approach LOS | | D | | | D | | | C | | | C | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 11.2 | | 33.0 | | 19.3 | | 33.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 21.4 | | 28.4 | | 26.4 | | 28.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 4.8 | | 13.8 | | 13.0 | | 11.9 | | | | |
| Green Ext Time (p_c), s | | 0.5 | | 1.4 | | 1.7 | | 2.6 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 32.6 |
| HCM 6th LOS | C |

**Notes**

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

| Lane Group | EBL | EBR | NBL | NBT | SBT |
|---|---|---|---|---|---|
| Lane Group Flow (vph) | 48 | 21 | 25 | 391 | 488 |
| v/c Ratio | 0.25 | 0.11 | 0.12 | 0.25 | 0.18 |
| Control Delay | 27.8 | 12.7 | 25.9 | 2.9 | 3.5 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| Total Delay | 27.8 | 12.7 | 25.9 | 3.2 | 3.5 |
| Queue Length 50th (ft) | 17 | 0 | 8 | 35 | 18 |
| Queue Length 95th (ft) | 41 | 16 | 24 | 60 | 60 |
| Internal Link Dist (ft) | 279 | | | 238 | 121 |
| Turn Bay Length (ft) | | 25 | 100 | | |
| Base Capacity (vph) | 301 | 287 | 226 | 1545 | 2738 |
| Starvation Cap Reductn | 0 | 0 | 0 | 614 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.07 | 0.11 | 0.42 | 0.18 |

Intersection Summary

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (veh/h) | 41 | 18 | 20 | 309 | 332 | 78 |
| Future Volume (veh/h) | 41 | 18 | 20 | 309 | 332 | 78 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 | 1.00 | | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No | | | No | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 48 | 21 | 25 | 391 | 395 | 93 |
| Peak Hour Factor | 0.86 | 0.86 | 0.79 | 0.79 | 0.84 | 0.84 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 121 | 107 | 71 | 1239 | 1584 | 369 |
| Arrive On Green | 0.07 | 0.07 | 0.04 | 0.66 | 0.55 | 0.55 |
| Sat Flow, veh/h | 1781 | 1585 | 1781 | 1870 | 2954 | 667 |
| Grp Volume(v), veh/h | 48 | 21 | 25 | 391 | 244 | 244 |
| Grp Sat Flow(s),veh/h/ln | 1781 | 1585 | 1781 | 1870 | 1777 | 1750 |
| Q Serve(g_s), s | 1.6 | 0.8 | 0.8 | 5.4 | 4.3 | 4.4 |
| Cycle Q Clear(g_c), s | 1.6 | 0.8 | 0.8 | 5.4 | 4.3 | 4.4 |
| Prop In Lane | 1.00 | 1.00 | 1.00 | | | 0.38 |
| Lane Grp Cap(c), veh/h | 121 | 107 | 71 | 1239 | 984 | 969 |
| V/C Ratio(X) | 0.40 | 0.20 | 0.35 | 0.32 | 0.25 | 0.25 |
| Avail Cap(c_a), veh/h | 304 | 270 | 228 | 1239 | 984 | 969 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh | 27.2 | 26.9 | 28.5 | 4.4 | 7.0 | 7.1 |
| Incr Delay (d2), s/veh | 0.8 | 0.3 | 1.1 | 0.7 | 0.6 | 0.6 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 0.7 | 0.3 | 0.4 | 1.6 | 1.5 | 1.5 |
| Unsig. Movement Delay, s/veh | | | | | | |
| LnGrp Delay(d),s/veh | 28.0 | 27.2 | 29.6 | 5.1 | 7.6 | 7.7 |
| LnGrp LOS | C | C | C | A | A | A |
| Approach Vol, veh/h | 69 | | | 416 | 488 | |
| Approach Delay, s/veh | 27.8 | | | 6.5 | 7.7 | |
| Approach LOS | C | | | A | A | |

| Timer - Assigned Phs | | 2 | 3 | 4 | | 8 |
|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 8.7 | 6.6 | 39.4 | | 46.0 |
| Change Period (Y+Rc), s | | 4.6 | * 4.2 | 5.6 | | 5.6 |
| Max Green Setting (Gmax), s | | 10.4 | * 7.8 | 28.4 | | 40.4 |
| Max Q Clear Time (g_c+I1), s | | 3.6 | 2.8 | 6.4 | | 7.4 |
| Green Ext Time (p_c), s | | 0.0 | 0.0 | 3.0 | | 2.6 |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 8.6 |
| HCM 6th LOS | A |

Notes

User approved pedestrian interval to be less than phase max green.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.7 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 17 | 11 | 71 | 71 | 48 | 17 | 10 | 44 | 34 | 0 | 0 | 0 |
| Future Vol, veh/h | 17 | 11 | 71 | 71 | 48 | 17 | 10 | 44 | 34 | 0 | 0 | 0 |
| Peak Hour Factor | 0.25 | 0.25 | 0.25 | 0.75 | 0.75 | 0.75 | 0.82 | 0.82 | 0.82 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 68 | 44 | 284 | 95 | 64 | 23 | 12 | 54 | 41 | 0 | 0 | 0 |
| Number of Lanes | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| Approach | EB | WB | NB |
|---|---|---|---|
| Opposing Approach | WB | EB | |
| Opposing Lanes | 1 | 1 | 0 |
| Conflicting Approach Left | | NB | EB |
| Conflicting Lanes Left | 0 | 1 | 1 |
| Conflicting Approach Right | NB | | WB |
| Conflicting Lanes Right | 1 | 0 | 1 |
| HCM Control Delay | 10.2 | 9.1 | 8.8 |
| HCM LOS | B | A | A |

| Lane | NBLn1 | EBLn1 | WBLn1 |
|---|---|---|---|
| Vol Left, % | 11% | 17% | 52% |
| Vol Thru, % | 50% | 11% | 35% |
| Vol Right, % | 39% | 72% | 12% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 88 | 99 | 136 |
| LT Vol | 10 | 17 | 71 |
| Through Vol | 44 | 11 | 48 |
| RT Vol | 34 | 71 | 17 |
| Lane Flow Rate | 107 | 396 | 181 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.147 | 0.441 | 0.233 |
| Departure Headway (Hd) | 4.927 | 4.013 | 4.619 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 727 | 899 | 778 |
| Service Time | 2.969 | 2.035 | 2.649 |
| HCM Lane V/C Ratio | 0.147 | 0.44 | 0.233 |
| HCM Control Delay | 8.8 | 10.2 | 9.1 |
| HCM Lane LOS | A | B | A |
| HCM 95th-tile Q | 0.5 | 2.3 | 0.9 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 8.2 |
| Intersection LOS | A |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 28 | 23 | 88 | 55 | 45 | 95 |
| Future Vol, veh/h | 28 | 23 | 88 | 55 | 45 | 95 |
| Peak Hour Factor | 0.82 | 0.82 | 0.78 | 0.78 | 0.77 | 0.77 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 34 | 28 | 113 | 71 | 58 | 123 |
| Number of Lanes | 1 | 0 | 1 | 0 | 0 | 1 |

| Approach | WB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 1 |
| Conflicting Approach Left | NB | | WB |
| Conflicting Lanes Left | 1 | 0 | 1 |
| Conflicting Approach Right | SB | WB | |
| Conflicting Lanes Right | 1 | 1 | 0 |
| HCM Control Delay | 7.9 | 8.1 | 8.5 |
| HCM LOS | A | A | A |

| Lane | NBLn1 | WBLn1 | SBLn1 |
|---|---|---|---|
| Vol Left, % | 0% | 55% | 32% |
| Vol Thru, % | 62% | 0% | 68% |
| Vol Right, % | 38% | 45% | 0% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 143 | 51 | 140 |
| LT Vol | 0 | 28 | 45 |
| Through Vol | 88 | 0 | 95 |
| RT Vol | 55 | 23 | 0 |
| Lane Flow Rate | 183 | 62 | 182 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.201 | 0.079 | 0.214 |
| Departure Headway (Hd) | 3.95 | 4.554 | 4.246 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 893 | 792 | 835 |
| Service Time | 2.044 | 2.554 | 2.328 |
| HCM Lane V/C Ratio | 0.205 | 0.078 | 0.218 |
| HCM Control Delay | 8.1 | 7.9 | 8.5 |
| HCM Lane LOS | A | A | A |
| HCM 95th-tile Q | 0.7 | 0.3 | 0.8 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 0 |

| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 0 | 100 | 58 | 0 | 0 | 0 |
| Future Vol, veh/h | 0 | 100 | 58 | 0 | 0 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, # | - | 0 | 0 | - | 0 | - |
| Grade, % | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 82 | 82 | 82 | 82 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 0 | 122 | 71 | 0 | 0 | 0 |

| Major/Minor | Major1 | | Major2 | | Minor2 | |
|---|---|---|---|---|---|---|
| Conflicting Flow All | 71 | 0 | - | 0 | 193 | 71 |
| Stage 1 | - | - | - | - | 71 | - |
| Stage 2 | - | - | - | - | 122 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 1529 | - | - | - | 796 | 991 |
| Stage 1 | - | - | - | - | 952 | - |
| Stage 2 | - | - | - | - | 903 | - |
| Platoon blocked, % | | - | - | - | | |
| Mov Cap-1 Maneuver | 1529 | - | - | - | 796 | 991 |
| Mov Cap-2 Maneuver | - | - | - | - | 796 | - |
| Stage 1 | - | - | - | - | 952 | - |
| Stage 2 | - | - | - | - | 903 | - |

| Approach | EB | WB | SB |
|---|---|---|---|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | | | A |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|
| Capacity (veh/h) | 1529 | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - | - |
| HCM Control Delay (s) | 0 | - | - | - | 0 |
| HCM Lane LOS | A | - | - | - | A |
| HCM 95th %tile Q(veh) | 0 | - | - | - | - |

| Lane Group | EBT | WBL | WBT | WBR | NBT | SBL | SBT |
|---|---|---|---|---|---|---|---|
| Lane Group Flow (vph) | 249 | 251 | 260 | 74 | 552 | 77 | 424 |
| v/c Ratio | 0.57 | 0.72 | 0.72 | 0.05 | 0.33 | 0.19 | 0.44 |
| Control Delay | 40.9 | 45.9 | 46.0 | 0.1 | 13.6 | 16.7 | 17.5 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 40.9 | 45.9 | 46.0 | 0.1 | 13.6 | 16.7 | 17.5 |
| Queue Length 50th (ft) | 69 | 149 | 155 | 0 | 83 | 23 | 146 |
| Queue Length 95th (ft) | 104 | 214 | 222 | 0 | 151 | 64 | 282 |
| Internal Link Dist (ft) | 141 | | 198 | | 118 | | 108 |
| Turn Bay Length (ft) | | | | 150 | | | |
| Base Capacity (vph) | 784 | 502 | 515 | 1583 | 1678 | 397 | 956 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.32 | 0.50 | 0.50 | 0.05 | 0.33 | 0.19 | 0.44 |

Intersection Summary

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 57 | 135 | 35 | 355 | 115 | 68 | 21 | 357 | 141 | 70 | 329 | 56 |
| Future Volume (veh/h) | 57 | 135 | 35 | 355 | 115 | 68 | 21 | 357 | 141 | 70 | 329 | 56 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 63 | 148 | 38 | 256 | 308 | 0 | 22 | 380 | 150 | 77 | 362 | 62 |
| Peak Hour Factor | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.91 | 0.91 | 0.91 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 89 | 219 | 58 | 357 | 375 | | 57 | 720 | 296 | 247 | 514 | 88 |
| Arrive On Green | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.00 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| Sat Flow, veh/h | 876 | 2147 | 571 | 1781 | 1870 | 1585 | 50 | 2179 | 895 | 874 | 1556 | 266 |
| Grp Volume(v), veh/h | 131 | 0 | 118 | 256 | 308 | 0 | 294 | 0 | 258 | 77 | 0 | 424 |
| Grp Sat Flow(s),veh/h/ln | 1827 | 0 | 1768 | 1781 | 1870 | 1585 | 1584 | 0 | 1541 | 874 | 0 | 1822 |
| Q Serve(g_s), s | 6.6 | 0.0 | 6.1 | 12.7 | 15.0 | 0.0 | 0.8 | 0.0 | 12.8 | 7.4 | 0.0 | 19.3 |
| Cycle Q Clear(g_c), s | 6.6 | 0.0 | 6.1 | 12.7 | 15.0 | 0.0 | 20.1 | 0.0 | 12.8 | 20.2 | 0.0 | 19.3 |
| Prop In Lane | 0.48 | | 0.32 | 1.00 | | 1.00 | 0.07 | | 0.58 | 1.00 | | 0.15 |
| Lane Grp Cap(c), veh/h | 186 | 0 | 180 | 357 | 375 | | 564 | 0 | 509 | 247 | 0 | 602 |
| V/C Ratio(X) | 0.71 | 0.00 | 0.65 | 0.72 | 0.82 | | 0.52 | 0.00 | 0.51 | 0.31 | 0.00 | 0.70 |
| Avail Cap(c_a), veh/h | 411 | 0 | 398 | 533 | 559 | | 564 | 0 | 509 | 247 | 0 | 602 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 41.3 | 0.0 | 41.0 | 35.5 | 36.4 | 0.0 | 25.4 | 0.0 | 25.6 | 33.7 | 0.0 | 27.7 |
| Incr Delay (d2), s/veh | 4.8 | 0.0 | 4.0 | 2.7 | 6.1 | 0.0 | 3.4 | 0.0 | 3.6 | 3.3 | 0.0 | 6.8 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 3.2 | 0.0 | 2.8 | 5.7 | 7.3 | 0.0 | 5.7 | 0.0 | 5.1 | 1.8 | 0.0 | 9.3 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 46.1 | 0.0 | 45.0 | 38.2 | 42.4 | 0.0 | 28.8 | 0.0 | 29.2 | 37.0 | 0.0 | 34.5 |
| LnGrp LOS | D | A | D | D | D | | C | A | C | D | A | C |
| Approach Vol, veh/h | | 249 | | | 564 | A | | 552 | | | 501 | |
| Approach Delay, s/veh | | 45.6 | | | 40.5 | | | 28.9 | | | 34.9 | |
| Approach LOS | | D | | | D | | | C | | | C | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 14.3 | | 36.0 | | 23.6 | | 36.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 21.4 | | 31.4 | | 28.4 | | 31.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 8.6 | | 22.2 | | 17.0 | | 22.1 | | | | |
| Green Ext Time (p_c), s | | 1.1 | | 2.1 | | 2.1 | | 2.4 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 36.3 |
| HCM 6th LOS | D |

**Notes**

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

| Lane Group | EBL | EBR | NBL | NBT | SBT |
|---|---|---|---|---|---|
| Lane Group Flow (vph) | 115 | 73 | 64 | 489 | 732 |
| v/c Ratio | 0.49 | 0.27 | 0.32 | 0.35 | 0.32 |
| Control Delay | 32.9 | 9.5 | 31.7 | 4.7 | 7.7 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| Total Delay | 32.9 | 9.5 | 31.7 | 5.3 | 7.7 |
| Queue Length 50th (ft) | 44 | 0 | 24 | 59 | 73 |
| Queue Length 95th (ft) | 73 | 24 | 56 | 122 | 127 |
| Internal Link Dist (ft) | 279 | | | 238 | 121 |
| Turn Bay Length (ft) | | 25 | 100 | | |
| Base Capacity (vph) | 332 | 356 | 210 | 1417 | 2266 |
| Starvation Cap Reductn | 0 | 0 | 0 | 567 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.35 | 0.21 | 0.30 | 0.58 | 0.32 |

Intersection Summary

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (veh/h) | 92 | 58 | 57 | 435 | 562 | 133 |
| Future Volume (veh/h) | 92 | 58 | 57 | 435 | 562 | 133 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 | 1.00 | | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No | | | No | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 115 | 72 | 64 | 489 | 592 | 140 |
| Peak Hour Factor | 0.80 | 0.80 | 0.89 | 0.89 | 0.95 | 0.95 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 164 | 146 | 130 | 1230 | 1486 | 350 |
| Arrive On Green | 0.09 | 0.09 | 0.07 | 0.66 | 0.52 | 0.52 |
| Sat Flow, veh/h | 1781 | 1585 | 1781 | 1870 | 2947 | 673 |
| Grp Volume(v), veh/h | 115 | 72 | 64 | 489 | 368 | 364 |
| Grp Sat Flow(s),veh/h/ln | 1781 | 1585 | 1781 | 1870 | 1777 | 1749 |
| Q Serve(g_s), s | 4.1 | 2.9 | 2.3 | 8.0 | 8.3 | 8.3 |
| Cycle Q Clear(g_c), s | 4.1 | 2.9 | 2.3 | 8.0 | 8.3 | 8.3 |
| Prop In Lane | 1.00 | 1.00 | 1.00 | | | 0.38 |
| Lane Grp Cap(c), veh/h | 164 | 146 | 130 | 1230 | 925 | 911 |
| V/C Ratio(X) | 0.70 | 0.49 | 0.49 | 0.40 | 0.40 | 0.40 |
| Avail Cap(c_a), veh/h | 335 | 298 | 211 | 1230 | 925 | 911 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh | 29.1 | 28.5 | 29.4 | 5.2 | 9.6 | 9.6 |
| Incr Delay (d2), s/veh | 2.0 | 1.0 | 1.1 | 1.0 | 1.3 | 1.3 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 1.8 | 1.1 | 1.0 | 2.6 | 3.1 | 3.0 |
| Unsig. Movement Delay, s/veh | | | | | | |
| LnGrp Delay(d),s/veh | 31.1 | 29.5 | 30.5 | 6.2 | 10.8 | 10.9 |
| LnGrp LOS | C | C | C | A | B | B |
| Approach Vol, veh/h | 187 | | | 553 | 732 | |
| Approach Delay, s/veh | 30.5 | | | 9.0 | 10.9 | |
| Approach LOS | C | | | A | B | |

| Timer - Assigned Phs | | 2 | 3 | 4 | | 8 |
|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 10.7 | 9.0 | 40.0 | | 49.0 |
| Change Period (Y+Rc), s | | 4.6 | * 4.2 | 5.6 | | 5.6 |
| Max Green Setting (Gmax), s | | 12.4 | * 7.8 | 31.4 | | 43.4 |
| Max Q Clear Time (g_c+I1), s | | 6.1 | 4.3 | 10.3 | | 10.0 |
| Green Ext Time (p_c), s | | 0.1 | 0.0 | 4.7 | | 3.5 |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 12.7 |
| HCM 6th LOS | B |

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10.3 |
| Intersection LOS | B |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 50 | 31 | 71 | 70 | 109 | 46 | 34 | 91 | 83 | 0 | 0 | 0 |
| Future Vol, veh/h | 50 | 31 | 71 | 70 | 109 | 46 | 34 | 91 | 83 | 0 | 0 | 0 |
| Peak Hour Factor | 0.50 | 0.50 | 0.50 | 0.91 | 0.91 | 0.91 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 100 | 62 | 142 | 77 | 120 | 51 | 37 | 98 | 89 | 0 | 0 | 0 |
| Number of Lanes | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| Approach | EB | WB | NB |
|---|---|---|---|
| Opposing Approach | WB | EB | |
| Opposing Lanes | 1 | 1 | 0 |
| Conflicting Approach Left | | NB | EB |
| Conflicting Lanes Left | 0 | 1 | 1 |
| Conflicting Approach Right | NB | | WB |
| Conflicting Lanes Right | 1 | 0 | 1 |
| HCM Control Delay | 10.5 | 10.2 | 10.3 |
| HCM LOS | B | B | B |

| Lane | NBLn1 | EBLn1 | WBLn1 |
|---|---|---|---|
| Vol Left, % | 16% | 33% | 31% |
| Vol Thru, % | 44% | 20% | 48% |
| Vol Right, % | 40% | 47% | 20% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 208 | 152 | 225 |
| LT Vol | 34 | 50 | 70 |
| Through Vol | 91 | 31 | 109 |
| RT Vol | 83 | 71 | 46 |
| Lane Flow Rate | 224 | 304 | 247 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.308 | 0.387 | 0.329 |
| Departure Headway (Hd) | 4.965 | 4.582 | 4.789 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 718 | 781 | 744 |
| Service Time | 3.037 | 2.642 | 2.854 |
| HCM Lane V/C Ratio | 0.312 | 0.389 | 0.332 |
| HCM Control Delay | 10.3 | 10.5 | 10.2 |
| HCM Lane LOS | B | B | B |
| HCM 95th-tile Q | 1.3 | 1.8 | 1.4 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10.1 |
| Intersection LOS | B |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 43 | 74 | 112 | 56 | 97 | 217 |
| Future Vol, veh/h | 43 | 74 | 112 | 56 | 97 | 217 |
| Peak Hour Factor | 0.81 | 0.81 | 0.80 | 0.80 | 0.91 | 0.91 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 53 | 91 | 140 | 70 | 107 | 238 |
| Number of Lanes | 1 | 0 | 1 | 0 | 0 | 1 |

| Approach | WB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 1 |
| Conflicting Approach Left | NB | | WB |
| Conflicting Lanes Left | 1 | 0 | 1 |
| Conflicting Approach Right | SB | WB | |
| Conflicting Lanes Right | 1 | 1 | 0 |
| HCM Control Delay | 9.1 | 9.1 | 11.2 |
| HCM LOS | A | A | B |

| Lane | NBLn1 | WBLn1 | SBLn1 |
|---|---|---|---|
| Vol Left, % | 0% | 37% | 31% |
| Vol Thru, % | 67% | 0% | 69% |
| Vol Right, % | 33% | 63% | 0% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 168 | 117 | 314 |
| LT Vol | 0 | 43 | 97 |
| Through Vol | 112 | 0 | 217 |
| RT Vol | 56 | 74 | 0 |
| Lane Flow Rate | 210 | 144 | 345 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.261 | 0.195 | 0.439 |
| Departure Headway (Hd) | 4.479 | 4.864 | 4.583 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 800 | 735 | 783 |
| Service Time | 2.519 | 2.914 | 2.62 |
| HCM Lane V/C Ratio | 0.263 | 0.196 | 0.441 |
| HCM Control Delay | 9.1 | 9.1 | 11.2 |
| HCM Lane LOS | A | A | B |
| HCM 95th-tile Q | 1 | 0.7 | 2.3 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 0 |

| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 0 | 153 | 143 | 0 | 0 | 0 |
| Future Vol, veh/h | 0 | 153 | 143 | 0 | 0 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, # | - | 0 | 0 | - | 0 | - |
| Grade, % | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 81 | 81 | 81 | 81 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 0 | 189 | 177 | 0 | 0 | 0 |

| Major/Minor | Major1 | | Major2 | | Minor2 | |
|---|---|---|---|---|---|---|
| Conflicting Flow All | 177 | 0 | - | 0 | 366 | 177 |
| Stage 1 | - | - | - | - | 177 | - |
| Stage 2 | - | - | - | - | 189 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 1399 | - | - | - | 634 | 866 |
| Stage 1 | - | - | - | - | 854 | - |
| Stage 2 | - | - | - | - | 843 | - |
| Platoon blocked, % | | - | - | - | | |
| Mov Cap-1 Maneuver | 1399 | - | - | - | 634 | 866 |
| Mov Cap-2 Maneuver | - | - | - | - | 634 | - |
| Stage 1 | - | - | - | - | 854 | - |
| Stage 2 | - | - | - | - | 843 | - |

| Approach | EB | WB | SB |
|---|---|---|---|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | | | A |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|
| Capacity (veh/h) | 1399 | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - | - |
| HCM Control Delay (s) | 0 | - | - | - | 0 |
| HCM Lane LOS | A | - | - | - | A |
| HCM 95th %tile Q(veh) | 0 | - | - | - | - |

# Appendix C

*Analysis Worksheets for*
*Existing (2022) plus Proposed Project Conditions*

| Lane Group | EBT | WBL | WBT | WBR | NBT | SBL | SBT |
|---|---|---|---|---|---|---|---|
| Lane Group Flow (vph) | 118 | 209 | 213 | 63 | 489 | 24 | 276 |
| v/c Ratio | 0.36 | 0.67 | 0.67 | 0.04 | 0.27 | 0.05 | 0.27 |
| Control Delay | 38.0 | 44.5 | 43.8 | 0.1 | 9.8 | 11.5 | 11.7 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 38.0 | 44.5 | 43.8 | 0.1 | 9.8 | 11.5 | 11.7 |
| Queue Length 50th (ft) | 31 | 117 | 120 | 0 | 57 | 6 | 70 |
| Queue Length 95th (ft) | 47 | 172 | 174 | 0 | 83 | 18 | 117 |
| Internal Link Dist (ft) | 141 | | 198 | | 118 | | 108 |
| Turn Bay Length (ft) | | | | 150 | | | |
| Base Capacity (vph) | 827 | 493 | 507 | 1583 | 1833 | 482 | 1039 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.14 | 0.42 | 0.42 | 0.04 | 0.27 | 0.05 | 0.27 |

Intersection Summary

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 25 | 58 | 7 | 270 | 101 | 55 | 16 | 245 | 106 | 18 | 178 | 32 |
| Future Volume (veh/h) | 25 | 58 | 7 | 270 | 101 | 55 | 16 | 245 | 106 | 18 | 178 | 32 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 33 | 76 | 9 | 211 | 249 | 0 | 21 | 327 | 141 | 24 | 234 | 42 |
| Peak Hour Factor | 0.76 | 0.76 | 0.76 | 0.88 | 0.88 | 0.88 | 0.75 | 0.75 | 0.75 | 0.76 | 0.76 | 0.76 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 72 | 175 | 21 | 301 | 316 | | 65 | 733 | 303 | 263 | 487 | 87 |
| Arrive On Green | 0.07 | 0.07 | 0.07 | 0.17 | 0.17 | 0.00 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| Sat Flow, veh/h | 973 | 2376 | 291 | 1781 | 1870 | 1585 | 70 | 2322 | 959 | 925 | 1543 | 277 |
| Grp Volume(v), veh/h | 62 | 0 | 56 | 211 | 249 | 0 | 264 | 0 | 225 | 24 | 0 | 276 |
| Grp Sat Flow(s),veh/h/ln | 1822 | 0 | 1818 | 1781 | 1870 | 1585 | 1822 | 0 | 1529 | 925 | 0 | 1820 |
| Q Serve(g_s), s | 2.9 | 0.0 | 2.7 | 10.1 | 11.5 | 0.0 | 0.0 | 0.0 | 10.6 | 1.9 | 0.0 | 11.0 |
| Cycle Q Clear(g_c), s | 2.9 | 0.0 | 2.7 | 10.1 | 11.5 | 0.0 | 10.1 | 0.0 | 10.6 | 12.5 | 0.0 | 11.0 |
| Prop In Lane | 0.53 | | 0.16 | 1.00 | | 1.00 | 0.08 | | 0.63 | 1.00 | | 0.15 |
| Lane Grp Cap(c), veh/h | 134 | 0 | 134 | 301 | 316 | | 618 | 0 | 483 | 263 | 0 | 574 |
| V/C Ratio(X) | 0.46 | 0.00 | 0.42 | 0.70 | 0.79 | | 0.43 | 0.00 | 0.47 | 0.09 | 0.00 | 0.48 |
| Avail Cap(c_a), veh/h | 433 | 0 | 432 | 523 | 549 | | 618 | 0 | 483 | 263 | 0 | 574 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 40.0 | 0.0 | 39.8 | 35.3 | 35.9 | 0.0 | 24.5 | 0.0 | 24.7 | 29.7 | 0.0 | 24.8 |
| Incr Delay (d2), s/veh | 2.4 | 0.0 | 2.1 | 3.0 | 4.4 | 0.0 | 2.2 | 0.0 | 3.2 | 0.7 | 0.0 | 2.9 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 1.4 | 0.0 | 1.3 | 4.5 | 5.5 | 0.0 | 4.7 | 0.0 | 4.2 | 0.5 | 0.0 | 5.1 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 42.4 | 0.0 | 41.9 | 38.2 | 40.2 | 0.0 | 26.7 | 0.0 | 27.9 | 30.4 | 0.0 | 27.7 |
| LnGrp LOS | D | A | D | D | D | | C | A | C | C | A | C |
| Approach Vol, veh/h | | 118 | | | 460 | A | | 489 | | | 300 | |
| Approach Delay, s/veh | | 42.2 | | | 39.3 | | | 27.3 | | | 27.9 | |
| Approach LOS | | D | | | D | | | C | | | C | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 11.2 | | 33.0 | | 19.8 | | 33.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 21.4 | | 28.4 | | 26.4 | | 28.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 4.9 | | 14.5 | | 13.5 | | 12.6 | | | | |
| Green Ext Time (p_c), s | | 0.5 | | 1.4 | | 1.7 | | 2.7 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 32.8 |
| HCM 6th LOS | C |

**Notes**

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

| Lane Group | EBL | EBR | NBL | NBT | SBT |
|---|---|---|---|---|---|
| Lane Group Flow (vph) | 70 | 26 | 34 | 391 | 512 |
| v/c Ratio | 0.33 | 0.12 | 0.17 | 0.26 | 0.20 |
| Control Delay | 28.6 | 11.7 | 26.3 | 3.3 | 4.9 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| Total Delay | 28.6 | 11.7 | 26.3 | 3.6 | 4.9 |
| Queue Length 50th (ft) | 24 | 0 | 12 | 38 | 19 |
| Queue Length 95th (ft) | 52 | 17 | 29 | 66 | 65 |
| Internal Link Dist (ft) | 279 | | | 238 | 121 |
| Turn Bay Length (ft) | | 25 | 100 | | |
| Base Capacity (vph) | 301 | 291 | 226 | 1528 | 2569 |
| Starvation Cap Reductn | 0 | 0 | 0 | 594 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.23 | 0.09 | 0.15 | 0.42 | 0.20 |

Intersection Summary

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (veh/h) | 60 | 22 | 27 | 309 | 332 | 98 |
| Future Volume (veh/h) | 60 | 22 | 27 | 309 | 332 | 98 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 | 1.00 | | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No | | | No | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 70 | 26 | 34 | 391 | 395 | 117 |
| Peak Hour Factor | 0.86 | 0.86 | 0.79 | 0.79 | 0.84 | 0.84 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 141 | 125 | 90 | 1239 | 1472 | 431 |
| Arrive On Green | 0.08 | 0.08 | 0.05 | 0.66 | 0.54 | 0.54 |
| Sat Flow, veh/h | 1781 | 1585 | 1781 | 1870 | 2804 | 794 |
| Grp Volume(v), veh/h | 70 | 26 | 34 | 391 | 257 | 255 |
| Grp Sat Flow(s),veh/h/ln | 1781 | 1585 | 1781 | 1870 | 1777 | 1727 |
| Q Serve(g_s), s | 2.3 | 0.9 | 1.1 | 5.4 | 4.7 | 4.8 |
| Cycle Q Clear(g_c), s | 2.3 | 0.9 | 1.1 | 5.4 | 4.7 | 4.8 |
| Prop In Lane | 1.00 | 1.00 | 1.00 | | | 0.46 |
| Lane Grp Cap(c), veh/h | 141 | 125 | 90 | 1239 | 965 | 938 |
| V/C Ratio(X) | 0.50 | 0.21 | 0.38 | 0.32 | 0.27 | 0.27 |
| Avail Cap(c_a), veh/h | 304 | 270 | 228 | 1239 | 965 | 938 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh | 26.9 | 26.3 | 28.0 | 4.4 | 7.4 | 7.5 |
| Incr Delay (d2), s/veh | 1.0 | 0.3 | 1.0 | 0.7 | 0.7 | 0.7 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 1.0 | 0.3 | 0.5 | 1.6 | 1.6 | 1.6 |
| Unsig. Movement Delay, s/veh | | | | | | |
| LnGrp Delay(d),s/veh | 27.9 | 26.6 | 29.0 | 5.1 | 8.1 | 8.2 |
| LnGrp LOS | C | C | C | A | A | A |
| Approach Vol, veh/h | 96 | | | 425 | 512 | |
| Approach Delay, s/veh | 27.6 | | | 7.0 | 8.1 | |
| Approach LOS | C | | | A | A | |

| Timer - Assigned Phs | | 2 | 3 | 4 | | 8 |
|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 9.4 | 7.3 | 38.7 | | 46.0 |
| Change Period (Y+Rc), s | | 4.6 | * 4.2 | 5.6 | | 5.6 |
| Max Green Setting (Gmax), s | | 10.4 | * 7.8 | 28.4 | | 40.4 |
| Max Q Clear Time (g_c+I1), s | | 4.3 | 3.1 | 6.8 | | 7.4 |
| Green Ext Time (p_c), s | | 0.1 | 0.0 | 3.1 | | 2.6 |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 9.5 |
| HCM 6th LOS | A |

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 11.7 |
| Intersection LOS | B |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 21 | 34 | 73 | 71 | 74 | 17 | 14 | 44 | 34 | 0 | 0 | 0 |
| Future Vol, veh/h | 21 | 34 | 73 | 71 | 74 | 17 | 14 | 44 | 34 | 0 | 0 | 0 |
| Peak Hour Factor | 0.25 | 0.25 | 0.25 | 0.75 | 0.75 | 0.75 | 0.82 | 0.82 | 0.82 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 84 | 136 | 292 | 95 | 99 | 23 | 17 | 54 | 41 | 0 | 0 | 0 |
| Number of Lanes | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| Approach | EB | WB | NB |
|---|---|---|---|
| Opposing Approach | WB | EB | |
| Opposing Lanes | 1 | 1 | 0 |
| Conflicting Approach Left | | NB | EB |
| Conflicting Lanes Left | 0 | 1 | 1 |
| Conflicting Approach Right | NB | | WB |
| Conflicting Lanes Right | 1 | 0 | 1 |
| HCM Control Delay | 13.1 | 9.7 | 9.4 |
| HCM LOS | B | A | A |

| Lane | NBLn1 | EBLn1 | WBLn1 |
|---|---|---|---|
| Vol Left, % | 15% | 16% | 44% |
| Vol Thru, % | 48% | 27% | 46% |
| Vol Right, % | 37% | 57% | 10% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 92 | 128 | 162 |
| LT Vol | 14 | 21 | 71 |
| Through Vol | 44 | 34 | 74 |
| RT Vol | 34 | 73 | 17 |
| Lane Flow Rate | 112 | 512 | 216 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.164 | 0.593 | 0.286 |
| Departure Headway (Hd) | 5.275 | 4.172 | 4.772 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 675 | 865 | 750 |
| Service Time | 3.341 | 2.205 | 2.818 |
| HCM Lane V/C Ratio | 0.166 | 0.592 | 0.288 |
| HCM Control Delay | 9.4 | 13.1 | 9.7 |
| HCM Lane LOS | A | B | A |
| HCM 95th-tile Q | 0.6 | 4 | 1.2 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 8.4 |
| Intersection LOS | A |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 32 | 29 | 88 | 62 | 52 | 95 |
| Future Vol, veh/h | 32 | 29 | 88 | 62 | 52 | 95 |
| Peak Hour Factor | 0.82 | 0.82 | 0.78 | 0.78 | 0.77 | 0.77 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 39 | 35 | 113 | 79 | 68 | 123 |
| Number of Lanes | 1 | 0 | 1 | 0 | 0 | 1 |

| Approach | WB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 1 |
| Conflicting Approach Left | NB | | WB |
| Conflicting Lanes Left | 1 | 0 | 1 |
| Conflicting Approach Right | SB | WB | |
| Conflicting Lanes Right | 1 | 1 | 0 |
| HCM Control Delay | 8.1 | 8.2 | 8.7 |
| HCM LOS | A | A | A |

| Lane | NBLn1 | WBLn1 | SBLn1 |
|---|---|---|---|
| Vol Left, % | 0% | 52% | 35% |
| Vol Thru, % | 59% | 0% | 65% |
| Vol Right, % | 41% | 48% | 0% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 150 | 61 | 147 |
| LT Vol | 0 | 32 | 52 |
| Through Vol | 88 | 0 | 95 |
| RT Vol | 62 | 29 | 0 |
| Lane Flow Rate | 192 | 74 | 191 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.217 | 0.095 | 0.227 |
| Departure Headway (Hd) | 4.062 | 4.577 | 4.282 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 887 | 786 | 825 |
| Service Time | 2.071 | 2.586 | 2.382 |
| HCM Lane V/C Ratio | 0.216 | 0.094 | 0.232 |
| HCM Control Delay | 8.2 | 8.1 | 8.7 |
| HCM Lane LOS | A | A | A |
| HCM 95th-tile Q | 0.8 | 0.3 | 0.9 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.9 |

| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 13 | 100 | 58 | 30 | 29 | 10 |
| Future Vol, veh/h | 13 | 100 | 58 | 30 | 29 | 10 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, # | - | 0 | 0 | - | 0 | - |
| Grade, % | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 82 | 82 | 82 | 82 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 16 | 122 | 71 | 37 | 32 | 11 |

| Major/Minor | Major1 | | Major2 | | Minor2 | |
|---|---|---|---|---|---|---|
| Conflicting Flow All | 108 | 0 | - | 0 | 244 | 90 |
| Stage 1 | - | - | - | - | 90 | - |
| Stage 2 | - | - | - | - | 154 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 1483 | - | - | - | 744 | 968 |
| Stage 1 | - | - | - | - | 934 | - |
| Stage 2 | - | - | - | - | 874 | - |
| Platoon blocked, % | | - | - | - | | |
| Mov Cap-1 Maneuver | 1483 | - | - | - | 735 | 968 |
| Mov Cap-2 Maneuver | - | - | - | - | 735 | - |
| Stage 1 | - | - | - | - | 923 | - |
| Stage 2 | - | - | - | - | 874 | - |

| Approach | EB | WB | SB |
|---|---|---|---|
| HCM Control Delay, s | 0.9 | 0 | 9.9 |
| HCM LOS | | | A |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|
| Capacity (veh/h) | 1483 | - | - | - | 783 |
| HCM Lane V/C Ratio | 0.011 | - | - | - | 0.054 |
| HCM Control Delay (s) | 7.5 | 0 | - | - | 9.9 |
| HCM Lane LOS | A | A | - | - | A |
| HCM 95th %tile Q(veh) | 0 | - | - | - | 0.2 |

| Lane Group | EBT | WBL | WBT | WBR | NBT | SBL | SBT |
|---|---|---|---|---|---|---|---|
| Lane Group Flow (vph) | 264 | 275 | 279 | 74 | 625 | 77 | 446 |
| v/c Ratio | 0.58 | 0.74 | 0.73 | 0.05 | 0.38 | 0.23 | 0.48 |
| Control Delay | 41.2 | 45.6 | 44.9 | 0.1 | 14.6 | 18.9 | 19.5 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 41.2 | 45.6 | 44.9 | 0.1 | 14.6 | 18.9 | 19.5 |
| Queue Length 50th (ft) | 74 | 164 | 166 | 0 | 97 | 25 | 164 |
| Queue Length 95th (ft) | 110 | 229 | 230 | 0 | 177 | 70 | 317 |
| Internal Link Dist (ft) | 141 | | 198 | | 118 | | 108 |
| Turn Bay Length (ft) | | | | 150 | | | |
| Base Capacity (vph) | 783 | 504 | 517 | 1583 | 1626 | 340 | 923 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.34 | 0.55 | 0.54 | 0.05 | 0.38 | 0.23 | 0.48 |

Intersection Summary

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 64 | 142 | 35 | 395 | 115 | 68 | 21 | 378 | 189 | 70 | 349 | 56 |
| Future Volume (veh/h) | 64 | 142 | 35 | 395 | 115 | 68 | 21 | 378 | 189 | 70 | 349 | 56 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 70 | 156 | 38 | 277 | 338 | 0 | 22 | 402 | 201 | 77 | 384 | 62 |
| Peak Hour Factor | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.91 | 0.91 | 0.91 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 98 | 228 | 58 | 385 | 405 | | 53 | 640 | 348 | 217 | 519 | 84 |
| Arrive On Green | 0.11 | 0.11 | 0.11 | 0.22 | 0.22 | 0.00 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| Sat Flow, veh/h | 918 | 2140 | 540 | 1781 | 1870 | 1585 | 40 | 1935 | 1054 | 816 | 1571 | 254 |
| Grp Volume(v), veh/h | 139 | 0 | 125 | 277 | 338 | 0 | 336 | 0 | 289 | 77 | 0 | 446 |
| Grp Sat Flow(s),veh/h/ln | 1824 | 0 | 1773 | 1781 | 1870 | 1585 | 1516 | 0 | 1512 | 816 | 0 | 1825 |
| Q Serve(g_s), s | 7.0 | 0.0 | 6.4 | 13.7 | 16.4 | 0.0 | 1.3 | 0.0 | 15.0 | 8.2 | 0.0 | 20.6 |
| Cycle Q Clear(g_c), s | 7.0 | 0.0 | 6.4 | 13.7 | 16.4 | 0.0 | 21.8 | 0.0 | 15.0 | 23.2 | 0.0 | 20.6 |
| Prop In Lane | 0.50 | | 0.30 | 1.00 | | 1.00 | 0.07 | | 0.70 | 1.00 | | 0.14 |
| Lane Grp Cap(c), veh/h | 195 | 0 | 189 | 385 | 405 | | 541 | 0 | 500 | 217 | 0 | 603 |
| V/C Ratio(X) | 0.71 | 0.00 | 0.66 | 0.72 | 0.84 | | 0.62 | 0.00 | 0.58 | 0.36 | 0.00 | 0.74 |
| Avail Cap(c_a), veh/h | 411 | 0 | 399 | 533 | 559 | | 541 | 0 | 500 | 217 | 0 | 603 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 41.0 | 0.0 | 40.8 | 34.5 | 35.6 | 0.0 | 26.1 | 0.0 | 26.3 | 35.9 | 0.0 | 28.2 |
| Incr Delay (d2), s/veh | 4.8 | 0.0 | 3.9 | 2.9 | 7.7 | 0.0 | 5.3 | 0.0 | 4.8 | 4.5 | 0.0 | 7.9 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 3.4 | 0.0 | 3.0 | 6.1 | 8.2 | 0.0 | 6.9 | 0.0 | 5.9 | 1.9 | 0.0 | 10.1 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 45.8 | 0.0 | 44.7 | 37.4 | 43.3 | 0.0 | 31.4 | 0.0 | 31.1 | 40.4 | 0.0 | 36.1 |
| LnGrp LOS | D | A | D | D | D | | C | A | C | D | A | D |
| Approach Vol, veh/h | | 264 | | | 615 | A | | 625 | | | 523 | |
| Approach Delay, s/veh | | 45.3 | | | 40.7 | | | 31.3 | | | 36.7 | |
| Approach LOS | | D | | | D | | | C | | | D | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 14.7 | | 36.0 | | 25.2 | | 36.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 21.4 | | 31.4 | | 28.4 | | 31.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 9.0 | | 25.2 | | 18.4 | | 23.8 | | | | |
| Green Ext Time (p_c), s | | 1.1 | | 1.7 | | 2.1 | | 2.4 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 37.4 |
| HCM 6th LOS | D |

**Notes**

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

| Lane Group | EBL | EBR | NBL | NBT | SBT |
|---|---|---|---|---|---|
| Lane Group Flow (vph) | 201 | 90 | 87 | 489 | 794 |
| v/c Ratio | 0.71 | 0.29 | 0.44 | 0.38 | 0.42 |
| Control Delay | 39.8 | 13.6 | 34.6 | 5.9 | 9.8 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 |
| Total Delay | 39.8 | 13.6 | 34.6 | 6.9 | 9.8 |
| Queue Length 50th (ft) | 76 | 10 | 33 | 74 | 90 |
| Queue Length 95th (ft) | 118 | 37 | 72 | 123 | 135 |
| Internal Link Dist (ft) | 279 | | | 238 | 121 |
| Turn Bay Length (ft) | | 25 | 100 | | |
| Base Capacity (vph) | 332 | 346 | 209 | 1274 | 1888 |
| Starvation Cap Reductn | 0 | 0 | 0 | 521 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.61 | 0.26 | 0.42 | 0.65 | 0.42 |

Intersection Summary

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (veh/h) | 161 | 72 | 77 | 435 | 562 | 192 |
| Future Volume (veh/h) | 161 | 72 | 77 | 435 | 562 | 192 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 | 1.00 | | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No | | | No | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 201 | 90 | 87 | 489 | 592 | 202 |
| Peak Hour Factor | 0.80 | 0.80 | 0.89 | 0.89 | 0.95 | 0.95 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 252 | 224 | 151 | 1230 | 1325 | 451 |
| Arrive On Green | 0.14 | 0.14 | 0.08 | 0.66 | 0.51 | 0.51 |
| Sat Flow, veh/h | 1781 | 1585 | 1781 | 1870 | 2695 | 886 |
| Grp Volume(v), veh/h | 201 | 90 | 87 | 489 | 404 | 390 |
| Grp Sat Flow(s),veh/h/ln | 1781 | 1585 | 1781 | 1870 | 1777 | 1711 |
| Q Serve(g_s), s | 7.2 | 3.4 | 3.1 | 8.0 | 9.5 | 9.6 |
| Cycle Q Clear(g_c), s | 7.2 | 3.4 | 3.1 | 8.0 | 9.5 | 9.6 |
| Prop In Lane | 1.00 | 1.00 | 1.00 | | | 0.52 |
| Lane Grp Cap(c), veh/h | 252 | 224 | 151 | 1230 | 905 | 872 |
| V/C Ratio(X) | 0.80 | 0.40 | 0.58 | 0.40 | 0.45 | 0.45 |
| Avail Cap(c_a), veh/h | 335 | 298 | 211 | 1230 | 905 | 872 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh | 27.4 | 25.8 | 29.1 | 5.2 | 10.3 | 10.3 |
| Incr Delay (d2), s/veh | 7.0 | 0.4 | 1.3 | 1.0 | 1.6 | 1.7 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 3.4 | 1.2 | 1.3 | 2.6 | 3.6 | 3.5 |
| Unsig. Movement Delay, s/veh | | | | | | |
| LnGrp Delay(d),s/veh | 34.4 | 26.2 | 30.4 | 6.2 | 11.9 | 12.0 |
| LnGrp LOS | C | C | C | A | B | B |
| Approach Vol, veh/h | 291 | | | 576 | 794 | |
| Approach Delay, s/veh | 31.9 | | | 9.9 | 11.9 | |
| Approach LOS | C | | | A | B | |

| Timer - Assigned Phs | | 2 | 3 | 4 | | 8 |
|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 13.9 | 9.8 | 39.2 | | 49.0 |
| Change Period (Y+Rc), s | | 4.6 | * 4.2 | 5.6 | | 5.6 |
| Max Green Setting (Gmax), s | | 12.4 | * 7.8 | 31.4 | | 43.4 |
| Max Q Clear Time (g_c+I1), s | | 9.2 | 5.1 | 11.6 | | 10.0 |
| Green Ext Time (p_c), s | | 0.2 | 0.0 | 5.1 | | 3.5 |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 14.7 |
| HCM 6th LOS | B |

Notes

User approved pedestrian interval to be less than phase max green.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 16 |
| Intersection LOS | C |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 64 | 113 | 78 | 70 | 188 | 46 | 47 | 91 | 83 | 0 | 0 | 0 |
| Future Vol, veh/h | 64 | 113 | 78 | 70 | 188 | 46 | 47 | 91 | 83 | 0 | 0 | 0 |
| Peak Hour Factor | 0.50 | 0.50 | 0.50 | 0.91 | 0.91 | 0.91 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 128 | 226 | 156 | 77 | 207 | 51 | 51 | 98 | 89 | 0 | 0 | 0 |
| Number of Lanes | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| Approach | EB | WB | NB |
|---|---|---|---|
| Opposing Approach | WB | EB | |
| Opposing Lanes | 1 | 1 | 0 |
| Conflicting Approach Left | | NB | EB |
| Conflicting Lanes Left | 0 | 1 | 1 |
| Conflicting Approach Right | NB | | WB |
| Conflicting Lanes Right | 1 | 0 | 1 |
| HCM Control Delay | 19.4 | 13.4 | 12.5 |
| HCM LOS | C | B | B |

| Lane | NBLn1 | EBLn1 | WBLn1 |
|---|---|---|---|
| Vol Left, % | 21% | 25% | 23% |
| Vol Thru, % | 41% | 44% | 62% |
| Vol Right, % | 38% | 31% | 15% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 221 | 255 | 304 |
| LT Vol | 47 | 64 | 70 |
| Through Vol | 91 | 113 | 188 |
| RT Vol | 83 | 78 | 46 |
| Lane Flow Rate | 238 | 510 | 334 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.384 | 0.71 | 0.493 |
| Departure Headway (Hd) | 5.812 | 5.011 | 5.312 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 618 | 719 | 678 |
| Service Time | 3.859 | 3.048 | 3.354 |
| HCM Lane V/C Ratio | 0.385 | 0.709 | 0.493 |
| HCM Control Delay | 12.5 | 19.4 | 13.4 |
| HCM Lane LOS | B | C | B |
| HCM 95th-tile Q | 1.8 | 6 | 2.7 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10.9 |
| Intersection LOS | B |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 57 | 95 | 112 | 76 | 117 | 217 |
| Future Vol, veh/h | 57 | 95 | 112 | 76 | 117 | 217 |
| Peak Hour Factor | 0.81 | 0.81 | 0.80 | 0.80 | 0.91 | 0.91 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 70 | 117 | 140 | 95 | 129 | 238 |
| Number of Lanes | 1 | 0 | 1 | 0 | 0 | 1 |

| Approach | WB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 1 |
| Conflicting Approach Left | NB | | WB |
| Conflicting Lanes Left | 1 | 0 | 1 |
| Conflicting Approach Right | SB | WB | |
| Conflicting Lanes Right | 1 | 1 | 0 |
| HCM Control Delay | 9.8 | 9.6 | 12.2 |
| HCM LOS | A | A | B |

| Lane | NBLn1 | WBLn1 | SBLn1 |
|---|---|---|---|
| Vol Left, % | 0% | 38% | 35% |
| Vol Thru, % | 60% | 0% | 65% |
| Vol Right, % | 40% | 62% | 0% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 188 | 152 | 334 |
| LT Vol | 0 | 57 | 117 |
| Through Vol | 112 | 0 | 217 |
| RT Vol | 76 | 95 | 0 |
| Lane Flow Rate | 235 | 188 | 367 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.3 | 0.26 | 0.484 |
| Departure Headway (Hd) | 4.596 | 4.993 | 4.744 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 776 | 713 | 756 |
| Service Time | 2.659 | 3.063 | 2.801 |
| HCM Lane V/C Ratio | 0.303 | 0.264 | 0.485 |
| HCM Control Delay | 9.6 | 9.8 | 12.2 |
| HCM Lane LOS | A | A | B |
| HCM 95th-tile Q | 1.3 | 1 | 2.7 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 3.6 |

| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 40 | 153 | 143 | 92 | 103 | 34 |
| Future Vol, veh/h | 40 | 153 | 143 | 92 | 103 | 34 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, # | - | 0 | 0 | - | 0 | - |
| Grade, % | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 81 | 81 | 81 | 81 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 49 | 189 | 177 | 114 | 112 | 37 |

| Major/Minor | Major1 | | Major2 | | Minor2 | |
|---|---|---|---|---|---|---|
| Conflicting Flow All | 291 | 0 | - | 0 | 521 | 234 |
| Stage 1 | - | - | - | - | 234 | - |
| Stage 2 | - | - | - | - | 287 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 1271 | - | - | - | 516 | 805 |
| Stage 1 | - | - | - | - | 805 | - |
| Stage 2 | - | - | - | - | 762 | - |
| Platoon blocked, % | | - | - | - | | |
| Mov Cap-1 Maneuver | 1271 | - | - | - | 494 | 805 |
| Mov Cap-2 Maneuver | - | - | - | - | 494 | - |
| Stage 1 | - | - | - | - | 770 | - |
| Stage 2 | - | - | - | - | 762 | - |

| Approach | EB | WB | SB |
|---|---|---|---|
| HCM Control Delay, s | 1.6 | 0 | 14 |
| HCM LOS | | | B |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|
| Capacity (veh/h) | 1271 | - | - | - | 546 |
| HCM Lane V/C Ratio | 0.039 | - | - | - | 0.273 |
| HCM Control Delay (s) | 7.9 | 0 | - | - | 14 |
| HCM Lane LOS | A | A | - | - | B |
| HCM 95th %tile Q(veh) | 0.1 | - | - | - | 1.1 |

# Appendix D

*Analysis Worksheets for*
*Cumulative (2042) plus Proposed Project Conditions*

| Lane Group | EBT | WBL | WBT | WBR | NBT | SBL | SBT |
|---|---|---|---|---|---|---|---|
| Lane Group Flow (vph) | 424 | 456 | 470 | 86 | 957 | 210 | 809 |
| v/c Ratio | 0.69 | 0.87 | 0.87 | 0.05 | 1.27 | 2.23 | 1.19 |
| Control Delay | 41.3 | 49.8 | 48.5 | 0.1 | 160.4 | 611.1 | 131.5 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 41.3 | 49.8 | 48.5 | 0.1 | 160.4 | 611.1 | 131.5 |
| Queue Length 50th (ft) | 123 | 255 | 262 | 0 | ~390 | ~212 | ~640 |
| Queue Length 95th (ft) | 164 | #470 | #478 | 0 | #516 | #310 | #870 |
| Internal Link Dist (ft) | 141 | | 198 | | 118 | | 108 |
| Turn Bay Length (ft) | | | | 150 | | | |
| Base Capacity (vph) | 785 | 536 | 556 | 1583 | 751 | 94 | 677 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.54 | 0.85 | 0.85 | 0.05 | 1.27 | 2.23 | 1.19 |

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 77 | 269 | 44 | 538 | 314 | 79 | 46 | 544 | 291 | 193 | 669 | 75 |
| Future Volume (veh/h) | 77 | 269 | 44 | 538 | 314 | 79 | 46 | 544 | 291 | 193 | 669 | 75 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 84 | 292 | 48 | 463 | 512 | 0 | 50 | 591 | 316 | 210 | 727 | 82 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 107 | 389 | 67 | 523 | 549 | | 42 | 323 | 348 | 103 | 546 | 62 |
| Arrive On Green | 0.15 | 0.15 | 0.15 | 0.29 | 0.29 | 0.00 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| Sat Flow, veh/h | 689 | 2510 | 430 | 1781 | 1870 | 1585 | 0 | 977 | 1054 | 615 | 1651 | 186 |
| Grp Volume(v), veh/h | 224 | 0 | 200 | 463 | 512 | 0 | 504 | 0 | 453 | 210 | 0 | 809 |
| Grp Sat Flow(s),veh/h/ln | 1836 | 0 | 1793 | 1781 | 1870 | 1585 | 519 | 0 | 1512 | 615 | 0 | 1837 |
| Q Serve(g_s), s | 11.1 | 0.0 | 10.1 | 23.6 | 25.3 | 0.0 | 0.0 | 0.0 | 27.2 | 4.2 | 0.0 | 31.4 |
| Cycle Q Clear(g_c), s | 11.1 | 0.0 | 10.1 | 23.6 | 25.3 | 0.0 | 31.4 | 0.0 | 27.2 | 31.4 | 0.0 | 31.4 |
| Prop In Lane | 0.38 | | 0.24 | 1.00 | | 1.00 | 0.10 | | 0.70 | 1.00 | | 0.10 |
| Lane Grp Cap(c), veh/h | 284 | 0 | 278 | 523 | 549 | | 213 | 0 | 500 | 103 | 0 | 607 |
| V/C Ratio(X) | 0.79 | 0.00 | 0.72 | 0.89 | 0.93 | | 2.36 | 0.00 | 0.91 | 2.04 | 0.00 | 1.33 |
| Avail Cap(c_a), veh/h | 414 | 0 | 404 | 533 | 559 | | 213 | 0 | 500 | 103 | 0 | 607 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 38.6 | 0.0 | 38.2 | 32.0 | 32.6 | 0.0 | 29.9 | 0.0 | 30.4 | 47.0 | 0.0 | 31.8 |
| Incr Delay (d2), s/veh | 6.1 | 0.0 | 3.5 | 16.1 | 22.5 | 0.0 | 628.0 | 0.0 | 22.7 | 501.5 | 0.0 | 160.7 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 5.4 | 0.0 | 4.6 | 12.2 | 14.6 | 0.0 | 41.0 | 0.0 | 12.7 | 16.7 | 0.0 | 40.5 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 44.8 | 0.0 | 41.7 | 48.1 | 55.2 | 0.0 | 657.8 | 0.0 | 53.2 | 548.4 | 0.0 | 192.5 |
| LnGrp LOS | D | A | D | D | E | | F | A | D | F | A | F |
| Approach Vol, veh/h | | 424 | | | 975 | A | | 957 | | | 1019 | |
| Approach Delay, s/veh | | 43.3 | | | 51.8 | | | 371.4 | | | 265.8 | |
| Approach LOS | | D | | | D | | | F | | | F | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 19.3 | | 36.0 | | 32.5 | | 36.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 21.4 | | 31.4 | | 28.4 | | 31.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 13.1 | | 33.4 | | 27.3 | | 33.4 | | | | |
| Green Ext Time (p_c), s | | 1.6 | | 0.0 | | 0.6 | | 0.0 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 206.0 |
| HCM 6th LOS | F |

**Notes**

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

| Lane Group | EBL | EBR | NBL | NBT | SBT |
|---|---|---|---|---|---|
| Lane Group Flow (vph) | 285 | 136 | 148 | 618 | 1284 |
| v/c Ratio | 0.89 | 0.40 | 1.03 | 0.50 | 0.71 |
| Control Delay | 57.0 | 17.4 | 120.7 | 7.4 | 13.1 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 |
| Total Delay | 57.0 | 17.4 | 120.7 | 9.6 | 13.1 |
| Queue Length 50th (ft) | 112 | 25 | ~70 | 107 | 165 |
| Queue Length 95th (ft) | #237 | 70 | #171 | 172 | 236 |
| Internal Link Dist (ft) | 279 | | | 238 | 121 |
| Turn Bay Length (ft) | | 25 | 100 | | |
| Base Capacity (vph) | 332 | 349 | 144 | 1235 | 1814 |
| Starvation Cap Reductn | 0 | 0 | 0 | 459 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.86 | 0.39 | 1.03 | 0.80 | 0.71 |

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (veh/h) | 262 | 125 | 136 | 569 | 805 | 376 |
| Future Volume (veh/h) | 262 | 125 | 136 | 569 | 805 | 376 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 | 1.00 | | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No | | | No | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 285 | 136 | 148 | 618 | 875 | 409 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 331 | 294 | 135 | 1230 | 1211 | 561 |
| Arrive On Green | 0.19 | 0.19 | 0.08 | 0.66 | 0.51 | 0.51 |
| Sat Flow, veh/h | 1781 | 1585 | 1781 | 1870 | 2451 | 1093 |
| Grp Volume(v), veh/h | 285 | 136 | 148 | 618 | 658 | 626 |
| Grp Sat Flow(s),veh/h/ln | 1781 | 1585 | 1781 | 1870 | 1777 | 1674 |
| Q Serve(g_s), s | 10.2 | 5.0 | 5.0 | 11.2 | 18.9 | 19.2 |
| Cycle Q Clear(g_c), s | 10.2 | 5.0 | 5.0 | 11.2 | 18.9 | 19.2 |
| Prop In Lane | 1.00 | 1.00 | 1.00 | | | 0.65 |
| Lane Grp Cap(c), veh/h | 331 | 294 | 135 | 1230 | 913 | 860 |
| V/C Ratio(X) | 0.86 | 0.46 | 1.10 | 0.50 | 0.72 | 0.73 |
| Avail Cap(c_a), veh/h | 335 | 298 | 135 | 1230 | 913 | 860 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh | 26.1 | 23.9 | 30.5 | 5.8 | 12.4 | 12.5 |
| Incr Delay (d2), s/veh | 18.9 | 0.4 | 105.8 | 1.5 | 4.9 | 5.4 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 5.8 | 1.8 | 6.0 | 3.6 | 7.5 | 7.3 |
| Unsig. Movement Delay, s/veh | | | | | | |
| LnGrp Delay(d),s/veh | 45.0 | 24.4 | 136.3 | 7.2 | 17.3 | 17.9 |
| LnGrp LOS | D | C | F | A | B | B |
| Approach Vol, veh/h | 421 | | | 766 | 1284 | |
| Approach Delay, s/veh | 38.3 | | | 32.2 | 17.6 | |
| Approach LOS | D | | | C | B | |

| Timer - Assigned Phs | | 2 | 3 | 4 | | 8 |
|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 16.8 | 9.5 | 39.5 | | 49.0 |
| Change Period (Y+Rc), s | | 4.6 | 4.5 | 5.6 | | 5.6 |
| Max Green Setting (Gmax), s | | 12.4 | 5.0 | 31.4 | | 43.4 |
| Max Q Clear Time (g_c+I1), s | | 12.2 | 7.0 | 21.2 | | 13.2 |
| Green Ext Time (p_c), s | | 0.0 | 0.0 | 6.1 | | 4.7 |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 25.6 |
| HCM 6th LOS | C |

Notes

User approved pedestrian interval to be less than phase max green.

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 27 |
| Intersection LOS | D |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 66 | 165 | 80 | 135 | 289 | 89 | 48 | 94 | 221 | 0 | 0 | 0 |
| Future Vol, veh/h | 66 | 165 | 80 | 135 | 289 | 89 | 48 | 94 | 221 | 0 | 0 | 0 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 72 | 179 | 87 | 147 | 314 | 97 | 52 | 102 | 240 | 0 | 0 | 0 |
| Number of Lanes | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| Approach | EB | WB | NB |
|---|---|---|---|
| Opposing Approach | WB | EB | |
| Opposing Lanes | 1 | 1 | 0 |
| Conflicting Approach Left | | NB | EB |
| Conflicting Lanes Left | 0 | 1 | 1 |
| Conflicting Approach Right | NB | | WB |
| Conflicting Lanes Right | 1 | 0 | 1 |
| HCM Control Delay | 17 | 37.7 | 20.4 |
| HCM LOS | C | E | C |

| Lane | NBLn1 | EBLn1 | WBLn1 |
|---|---|---|---|
| Vol Left, % | 13% | 21% | 26% |
| Vol Thru, % | 26% | 53% | 56% |
| Vol Right, % | 61% | 26% | 17% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 363 | 311 | 513 |
| LT Vol | 48 | 66 | 135 |
| Through Vol | 94 | 165 | 289 |
| RT Vol | 221 | 80 | 89 |
| Lane Flow Rate | 395 | 338 | 558 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.667 | 0.573 | 0.885 |
| Departure Headway (Hd) | 6.089 | 6.099 | 5.838 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 596 | 592 | 625 |
| Service Time | 4.089 | 4.124 | 3.838 |
| HCM Lane V/C Ratio | 0.663 | 0.571 | 0.893 |
| HCM Control Delay | 20.4 | 17 | 37.7 |
| HCM Lane LOS | C | C | E |
| HCM 95th-tile Q | 5 | 3.6 | 10.5 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 16.2 |
| Intersection LOS | C |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 104 | 176 | 151 | 96 | 152 | 292 |
| Future Vol, veh/h | 104 | 176 | 151 | 96 | 152 | 292 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 113 | 191 | 164 | 104 | 165 | 317 |
| Number of Lanes | 1 | 0 | 1 | 0 | 0 | 1 |

| Approach | WB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 1 |
| Conflicting Approach Left | NB | | WB |
| Conflicting Lanes Left | 1 | 0 | 1 |
| Conflicting Approach Right | SB | WB | |
| Conflicting Lanes Right | 1 | 1 | 0 |
| HCM Control Delay | 13.4 | 11.8 | 20.4 |
| HCM LOS | B | B | C |

| Lane | NBLn1 | WBLn1 | SBLn1 |
|---|---|---|---|
| Vol Left, % | 0% | 37% | 34% |
| Vol Thru, % | 61% | 0% | 66% |
| Vol Right, % | 39% | 63% | 0% |
| Sign Control | Stop | Stop | Stop |
| Traffic Vol by Lane | 247 | 280 | 444 |
| LT Vol | 0 | 104 | 152 |
| Through Vol | 151 | 0 | 292 |
| RT Vol | 96 | 176 | 0 |
| Lane Flow Rate | 268 | 304 | 483 |
| Geometry Grp | 1 | 1 | 1 |
| Degree of Util (X) | 0.396 | 0.469 | 0.711 |
| Departure Headway (Hd) | 5.31 | 5.546 | 5.3 |
| Convergence, Y/N | Yes | Yes | Yes |
| Cap | 677 | 648 | 680 |
| Service Time | 3.357 | 3.596 | 3.338 |
| HCM Lane V/C Ratio | 0.396 | 0.469 | 0.71 |
| HCM Control Delay | 11.8 | 13.4 | 20.4 |
| HCM Lane LOS | B | B | C |
| HCM 95th-tile Q | 1.9 | 2.5 | 5.9 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 3.5 |

| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 40 | 208 | 245 | 92 | 103 | 34 |
| Future Vol, veh/h | 40 | 208 | 245 | 92 | 103 | 34 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, # | - | 0 | 0 | - | 0 | - |
| Grade, % | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 43 | 226 | 266 | 100 | 112 | 37 |

| Major/Minor | Major1 | | Major2 | | Minor2 | |
|---|---|---|---|---|---|---|
| Conflicting Flow All | 366 | 0 | - | 0 | 628 | 316 |
| Stage 1 | - | - | - | - | 316 | - |
| Stage 2 | - | - | - | - | 312 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 1193 | - | - | - | 447 | 724 |
| Stage 1 | - | - | - | - | 739 | - |
| Stage 2 | - | - | - | - | 742 | - |
| Platoon blocked, % | | - | - | - | | |
| Mov Cap-1 Maneuver | 1193 | - | - | - | 429 | 724 |
| Mov Cap-2 Maneuver | - | - | - | - | 429 | - |
| Stage 1 | - | - | - | - | 709 | - |
| Stage 2 | - | - | - | - | 742 | - |

| Approach | EB | WB | SB |
|---|---|---|---|
| HCM Control Delay, s | 1.3 | 0 | 15.9 |
| HCM LOS | | | C |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|
| Capacity (veh/h) | 1193 | - | - | - | 477 |
| HCM Lane V/C Ratio | 0.036 | - | - | - | 0.312 |
| HCM Control Delay (s) | 8.1 | 0 | - | - | 15.9 |
| HCM Lane LOS | A | A | - | - | C |
| HCM 95th %tile Q(veh) | 0.1 | - | - | - | 1.3 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 77 | 269 | 44 | 538 | 314 | 79 | 46 | 544 | 291 | 193 | 669 | 75 |
| Future Volume (veh/h) | 77 | 269 | 44 | 538 | 314 | 79 | 46 | 544 | 291 | 193 | 669 | 75 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 84 | 292 | 48 | 463 | 512 | 0 | 50 | 591 | 316 | 210 | 727 | 82 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Percent Heavy Veh, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 82 | 297 | 51 | 471 | 495 | | 50 | 637 | 535 | 240 | 843 | 95 |
| Arrive On Green | 0.12 | 0.12 | 0.12 | 0.26 | 0.26 | 0.00 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| Sat Flow, veh/h | 689 | 2510 | 430 | 1781 | 1870 | 1585 | 39 | 1248 | 1048 | 615 | 1651 | 186 |
| Grp Volume(v), veh/h | 224 | 0 | 200 | 463 | 512 | 0 | 500 | 0 | 457 | 210 | 0 | 809 |
| Grp Sat Flow(s),veh/h/ln | 1836 | 0 | 1793 | 1781 | 1870 | 1585 | 821 | 0 | 1513 | 615 | 0 | 1837 |
| Q Serve(g_s), s | 15.4 | 0.0 | 14.4 | 33.6 | 34.4 | 0.0 | 16.3 | 0.0 | 27.5 | 38.9 | 0.0 | 50.1 |
| Cycle Q Clear(g_c), s | 15.4 | 0.0 | 14.4 | 33.6 | 34.4 | 0.0 | 66.4 | 0.0 | 27.5 | 66.4 | 0.0 | 50.1 |
| Prop In Lane | 0.38 | | 0.24 | 1.00 | | 1.00 | 0.10 | | 0.69 | 1.00 | | 0.10 |
| Lane Grp Cap(c), veh/h | 217 | 0 | 212 | 471 | 495 | | 450 | 0 | 773 | 240 | 0 | 938 |
| V/C Ratio(X) | 1.03 | 0.00 | 0.94 | 0.98 | 1.03 | | 1.11 | 0.00 | 0.59 | 0.88 | 0.00 | 0.86 |
| Avail Cap(c_a), veh/h | 217 | 0 | 212 | 471 | 495 | | 450 | 0 | 773 | 240 | 0 | 938 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Uniform Delay (d), s/veh | 57.3 | 0.0 | 56.9 | 47.5 | 47.8 | 0.0 | 32.7 | 0.0 | 22.3 | 47.9 | 0.0 | 27.8 |
| Incr Delay (d2), s/veh | 68.7 | 0.0 | 45.8 | 37.3 | 49.6 | 0.0 | 76.9 | 0.0 | 1.2 | 28.5 | 0.0 | 8.3 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 11.3 | 0.0 | 9.2 | 19.7 | 22.7 | 0.0 | 24.5 | 0.0 | 9.9 | 8.9 | 0.0 | 23.5 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 126.0 | 0.0 | 102.7 | 84.8 | 97.4 | 0.0 | 109.5 | 0.0 | 23.5 | 76.4 | 0.0 | 36.1 |
| LnGrp LOS | F | A | F | F | F | | F | A | C | E | A | D |
| Approach Vol, veh/h | | 424 | | | 975 | A | | 957 | | | 1019 | |
| Approach Delay, s/veh | | 115.0 | | | 91.4 | | | 68.5 | | | 44.4 | |
| Approach LOS | | F | | | F | | | E | | | D | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 20.0 | | 71.0 | | 39.0 | | 71.0 | | | | |
| Change Period (Y+Rc), s | | 4.6 | | 4.6 | | 4.6 | | 4.6 | | | | |
| Max Green Setting (Gmax), s | | 15.4 | | 66.4 | | 34.4 | | 66.4 | | | | |
| Max Q Clear Time (g_c+I1), s | | 17.4 | | 68.4 | | 36.4 | | 68.4 | | | | |
| Green Ext Time (p_c), s | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | | | |

| Intersection Summary | |
|---|---|
| HCM 6th Ctrl Delay | 73.7 |
| HCM 6th LOS | E |

**Notes**

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

# Appendix E

*Cumulative Buildout Volumes*
*City of Santa Cruz Critical Intersections*

**Cumulative Buildout Volumes City of Santa Cruz Critical Intersections**

**3/19/2020**

| # | Intersection | NORTHE | NORTHE | NORTHE | SOUTHE | SOUTHE | SOUTHE | EASTBN | EASTBN | EASTBN | WESTBN | WESTBN | WESTBN | TOTAL | SOURCE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LEFT | THRU | RIGHT | LEFT | THRU | RIGHT | LEFT | THRU | RIGHT | LEFT | THRU | RIGHT | | |
| 1 | Western/High | 240 | 0 | 94 | 0 | 0 | 0 | 0 | 755 | 164 | 61 | 448 | 0 | 1762 | GP |
| 2 | Bay/High | 174 | 508 | 55 | 515 | 882 | 68 | 178 | 380 | 275 | 113 | 309 | 269 | 3726 | GP |
| 3 | Moore/High | 24 | 7 | 17 | 45 | 21 | 41 | 9 | 880 | 35 | 24 | 661 | 21 | 1785 | GP |
| 4 | Laurent/High | 16 | 49 | 16 | 32 | 24 | 16 | 34 | 856 | 38 | 14 | 735 | 30 | 1860 | GP |
| 5 | River/Potrero | 90 | 766 | 86 | 272 | 737 | 103 | 129 | 10 | 76 | 197 | 9 | 255 | 2730 | GP |
| 6 | River/Hwy. 1 | 99 | 454 | 726 | 1109 | 545 | 571 | 490 | 2350 | 86 | 561 | 1862 | 693 | 9546 | Downtown Plan |
| 7 | River/Fern | 410 | 1112 | 0 | 0 | 1564 | 43 | 1 | 0 | 106 | 0 | 0 | 0 | 3236 | GP |
| 8 | River/Encinal | 576 | 563 | 111 | 8 | 488 | 145 | 210 | 6 | 1047 | 117 | 6 | 15 | 3292 | GP |
| 9 | Ocean-Hwy. 17/Plymouth | 405 | 654 | 0 | 186 | 1101 | 239 | 71 | 208 | 495 | 127 | 97 | 55 | 3638 | Ocean Ext |
| 10 | Market/Isbel-Goss | 47 | 154 | 147 | 202 | 114 | 1 | 4 | 192 | 36 | 63 | 77 | 218 | 1255 | GP |
| 11 | North Branciforte/Goss | 220 | 70 | 95 | 3 | 113 | 61 | 40 | 312 | 295 | 33 | 74 | 1 | 1317 | GP |
| 12 | Morrissey/Fairmount | 53 | 794 | 28 | 53 | 862 | 108 | 160 | 89 | 127 | 24 | 27 | 82 | 2407 | GP |
| 13 | Bay/Nobel-Iowa | 100 | 717 | 98 | 42 | 1168 | 56 | 39 | 49 | 129 | 65 | 45 | 41 | 2549 | GP |
| 14 | Bay/Escalona | 27 | 811 | 41 | 145 | 1108 | 70 | 61 | 43 | 40 | 49 | 33 | 62 | 2490 | GP |
| 15 | Bay/King | 148 | 723 | 160 | 194 | 972 | 110 | 61 | 161 | 100 | 98 | 97 | 167 | 2991 | GP |
| 16 | King/Laurel | 171 | 69 | 60 | 36 | 62 | 10 | 20 | 430 | 154 | 67 | 262 | 15 | 1356 | GP |
| 17 | Storey/King | 0 | 0 | 0 | 551 | 0 | 53 | 26 | 380 | 0 | 0 | 278 | 88 | 1376 | GP |
| 18 | Route 1/Shaffer Rd | 62 | 0 | 80 | 0 | 0 | 0 | 0 | 690 | 51 | 38 | 536 | 0 | 1457 | GP |
| 19 | Western/Hwy. 1 | 19 | 113 | 205 | 203 | 86 | 44 | 27 | 451 | 25 | 88 | 382 | 232 | 1875 | GP |
| 20 | Swift/Mission | 96 | 76 | 692 | 67 | 42 | 16 | 30 | 721 | 82 | 452 | 637 | 117 | 3028 | GP |
| 21 | Miramar/Mission | 111 | 31 | 164 | 103 | 15 | 137 | 95 | 1991 | 58 | 178 | 1428 | 89 | 4400 | GP |
| 22 | Almar-Younglove/Mission | 38 | 1 | 276 | 45 | 0 | 44 | 0 | 1808 | 24 | 219 | 1468 | 2 | 3925 | GP |
| 23 | Bay/Mission | 146 | 170 | 133 | 454 | 194 | 157 | 166 | 2178 | 109 | 222 | 1692 | 348 | 5969 | 190 W Cliff |
| 24 | Laurel/Mission | 412 | 223 | 41 | 33 | 285 | 23 | 51 | 2259 | 487 | 77 | 1886 | 48 | 5825 | GP |
| 25 | Walnut/Mission | 125 | 151 | 59 | 78 | 146 | 85 | 145 | 2012 | 182 | 41 | 1791 | 41 | 4856 | GP |
| 26 | King-Union/Mission | 20 | 6 | 19 | 1161 | 1 | 4 | 0 | 2556 | 3 | 14 | 1987 | 217 | 5988 | GP |
| 27 | Chestnut-Hwy. 1/Mission | 138 | 332 | 46 | 71 | 497 | 1822 | 2436 | 1060 | 42 | 33 | 849 | 93 | 7419 | Downtown Plan |
| 28 | N. Pacific/RIVER | 226 | 31 | 59 | 44 | 26 | 17 | 20 | 659 | 382 | 32 | 713 | 51 | 2260 | GP |
| 29 | Center/Mission | 98 | 0 | 621 | 0 | 0 | 0 | 0 | 843 | 64 | 423 | 691 | 0 | 2740 | GP |
| 30 | Front-Pacific/Mission-Water | 0 | 0 | 0 | 64 | 371 | 221 | 263 | 1133 | 165 | 166 | 893 | 39 | 3315 | Downtown Plan |
| 31 | River/Water | 111 | 384 | 252 | 312 | 426 | 58 | 82 | 1166 | 62 | 204 | 958 | 346 | 4361 | GP |
| 32 | Ocean/Kennan-Washburn | 39 | 1540 | 52 | 59 | 1733 | 11 | 40 | 0 | 53 | 47 | 0 | 39 | 3613 | GP |
| 33 | Ocean/Water | 203 | 1359 | 96 | 522 | 1448 | 399 | 495 | 1578 | 162 | 168 | 1008 | 339 | 7777 | Downtown Plan |
| 34 | Market/Water | 0 | 0 | 0 | 507 | 0 | 189 | 223 | 1836 | 0 | 0 | 1170 | 128 | 4053 | GP |
| 35 | N. Branciforte/Water | 322 | 323 | 78 | 41 | 219 | 129 | 458 | 1273 | 470 | 101 | 930 | 50 | 4394 | GP |
| 36 | Seabright/Water | 60 | 0 | 49 | 0 | 0 | 0 | 0 | 1353 | 121 | 23 | 1021 | 0 | 2627 | GP |
| 37 | Morrissey/Water-Soquel | 19 | 127 | 30 | 293 | 233 | 75 | 535 | 1695 | 38 | 63 | 1489 | 36 | 4633 | GP |
| 38 | Frederick/Soquel | 146 | 0 | 433 | 0 | 0 | 0 | 0 | 1755 | 93 | 226 | 1416 | 0 | 4069 | GP |
| 39 | Hagemann-Trevethan/Soquel | 77 | 14 | 34 | 74 | 14 | 86 | 69 | 2092 | 53 | 22 | 1503 | 24 | 4062 | GP |
| 40 | Park/Soquel | 53 | 18 | 26 | 128 | 7 | 70 | 39 | 2147 | 30 | 12 | 1409 | 28 | 3967 | GP |
| 41 | Capitola/Soquel | 708 | 16 | 77 | 47 | 25 | 28 | 20 | 920 | 1149 | 79 | 672 | 25 | 3766 | GP |
| 42 | La Fonda/Soquel | 1 | 1 | 1 | 52 | 0 | 76 | 97 | 763 | 2 | 2 | 524 | 69 | 1588 | GP |
| 43 | Bay/California Ave | 269 | 0 | 47 | 0 | 0 | 0 | 0 | 656 | 204 | 64 | 608 | 0 | 1848 | GP |
| 44 | Bay/California St | 0 | 0 | 0 | 263 | 0 | 95 | 132 | 597 | 0 | 0 | 466 | 420 | 1973 | GP |
| 45 | California/Laurel | 35 | 224 | 326 | 23 | 169 | 29 | 11 | 828 | 30 | 168 | 752 | 20 | 2615 | GP |
| 46 | Chestnut/Laurel | 141 | 59 | 95 | 26 | 72 | 76 | 111 | 982 | 91 | 79 | 866 | 28 | 2626 | GP |
| 47 | Center/Laurel | 62 | 94 | 56 | 133 | 77 | 50 | 30 | 965 | 65 | 56 | 823 | 58 | 2469 | GP |
| 48 | Cedar/Laurel | 0 | 0 | 14 | 0 | 0 | 116 | 68 | 1195 | 26 | 0 | 898 | 94 | 2411 | GP |
| 49 | Pacific/Laurel | 59 | 96 | 44 | 97 | 59 | 63 | 162 | 1075 | 44 | 64 | 982 | 91 | 2836 | 508 Front TIA |
| 50 | Front/Laurel | 4 | 228 | 254 | 202 | 366 | 262 | 165 | 996 | 29 | 227 | 830 | 195 | 3758 | 508 Front TIA |
| 51 | Front/Metro Center | 14 | 661 | 20 | 0 | 833 | 17 | 14 | 0 | 19 | 6 | 0 | 11 | 1595 | 508 Front TIA |
| 52 | Front/Cathcart | 116 | 569 | 0 | 0 | 805 | 317 | 193 | 0 | 111 | 0 | 0 | 0 | 2111 | 508 Front TIA |
| 53 | Front/Soquel | 46 | 523 | 243 | 193 | 649 | 75 | 70 | 262 | 44 | 498 | 314 | 79 | 2996 | 508 Front TIA |
| 54 | Front/Cooper | 79 | 504 | 0 | 0 | 668 | 78 | 148 | 0 | 148 | 0 | 0 | 0 | 1625 | GP |
| 55 | River S./Soquel | 0 | 0 | 0 | 445 | 0 | 161 | 0 | 602 | 0 | 0 | 619 | 178 | 2005 | GP |
| 56 | Riverside-Dakota/Soquel (new | 36 | 17 | 39 | 29 | 2 | 72 | 13 | 960 | 3 | 3 | 689 | 17 | 1880 | GP |
| 57 | Ocean/Soquel | 318 | 817 | 296 | 353 | 611 | 269 | 259 | 601 | 129 | 188 | 424 | 83 | 4348 | GP |
| 58 | Branciforte/Soquel | 56 | 143 | 79 | 58 | 170 | 116 | 163 | 843 | 112 | 101 | 579 | 34 | 2454 | GP |
| 59 | Seabright/Soquel | 217 | 45 | 223 | 90 | 128 | 70 | 32 | 1075 | 125 | 179 | 585 | 16 | 2785 | GP |
| 60 | San Lorenzo/Laurel-Broadway | 498 | 0 | 33 | 0 | 0 | 0 | 0 | 858 | 542 | 0 | 693 | 0 | 2624 | GP |
| 61 | Ocean/Broadway | 12 | 521 | 89 | 230 | 699 | 296 | 253 | 534 | 47 | 102 | 443 | 118 | 3344 | GP |
| 62 | S. Branciforte/Broadway | 70 | 51 | 9 | 115 | 77 | 104 | 75 | 725 | 64 | 8 | 433 | 75 | 1806 | GP |
| 63 | Seabright/Broadway | 171 | 242 | 51 | 10 | 269 | 112 | 184 | 394 | 253 | 47 | 183 | 13 | 1929 | GP |
| 64 | Pacific Avenue/Center | 18 | 166 | 549 | 34 | 162 | 214 | 0 | 0 | 0 | 444 | 172 | 62 | 1821 | 190 W Cliff |
| 65 | West Cliff/Bay | 54 | 383 | 0 | 0 | 432 | 414 | 421 | 0 | 58 | 0 | 0 | 0 | 1762 | 190 W Cliff |
| 66 | Pacific/Beach | 21 | 120 | 35 | 116 | 149 | 239 | 548 | 235 | 48 | 0 | 0 | 0 | 1511 | 190 W Cliff |
| 67 | Cliff/Beach | 0 | 0 | 0 | 186 | 0 | 0 | 229 | 426 | 0 | 0 | 0 | 0 | 841 | GP |
| 68 | Riverside/Beach | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 339 | 0 | 0 | 0 | 0 | 435 | GP |
| 69 | Riverside/Second | 0 | 0 | 0 | 43 | 164 | 117 | 0 | 0 | 5 | 2 | 7 | 0 | 338 | GP |

# Appendix F

*Vehicle Miles Traveled (VMT) Analysis for*
*119 Lincoln Street – Downtown Library and Affordable Housing Project*

CITY OF SANTA CRUZ

PUBLIC WORKS DEPARTMENT

809 Center Street, Room 201, Santa Cruz CA 95060 • 831 420-5160 • Fax: 831 420-5161

November 17, 2022

Re: Vehicle Miles Traveled (VMT) Analysis for 119 Lincoln Street- Downtown Library and Affordable Housing Project

To: Brian Borguno, Development Manager
From: Claire Gallogly, AICP, Transportation Planner

This memorandum documents the results of a VMT analysis done for the proposed project at 119 Lincoln Street (the "proposed project", or "project"). Existing conditions include one parking lot with 134 spaces and one building located at 119 Lincoln Street The project proposes to construct a 38,086 square-foot library, a parking garage containing up to 400 spaces, 9,598 square-feet of commercial uses, a 1,905 square foot day care, and 124 low-income residential dwelling units.

This analysis uses the City of Santa Cruz SB743 Implementation Guidelines, adopted May 12, 2022.

The proposed project is located in a VMT Efficient Area based on the Santa Cruz City Residential Screening Map. This means that based on the VMT per capita threshold set by the City and County, the proposed project is located in an area that produces VMT per capita that is at least 15-percent below the Countywide average. Additionally, each of the project elements can use the screening criteria in Exhibit 2 of the City of Santa Cruz SB 743 Implementation Guidelines as follows:

- Projects near High Quality Transit: this project is within ½ mile of a High Quality Transit Stop as defined by California Public Resources Code section 21064.3
- Affordable Housing: this screening criteria covers the 124 units of affordable housing
- Local Essential Service: this screening criteria covers the day care and government offices uses (Library)
- Local Serving Retail: this screening criteria covers the 9,598 square feet of commercial uses, less than the threshold of 50,000 square feet

While the parking on site represents a net increase of up to 266 spaces (maximum 400 new, replacing 134 existing), because this parking is part of the public supply of parking and is not dedicated to these uses, the parking is analyzed as part of the overall shared public supply. In this case, the Parking District is projected to lose 448 spaces by 2030[1], but only projected to gain up to 400 with this project. This represents a net loss in the shared public supply of 48 spaces. This project does not add more parking than required by the City of Santa Cruz

Therefore, the VMT for this project is assumed to be less than significant in accordance with the adopted City of Santa Cruz guidelines.

[1] Lot 4 (-134), Lot 5 (-108), Lot 23 (-24), Lot 12 (-15), Lot 2 (-26), Lot 22 (-25), Lot 27 (-32), Lot 11 (-24), Lot 16 (-38), Lot 14 (-22)

PAST
CONSULTANTS LLC

Seth A. Bergstein
415.515.6224
seth@pastconsultants.com

March 14, 2022

Weber and Hayes, Associates
c/o: Pat Hoban
120 Westgate Drive
Watsonville, CA 95076

Re: Historic Evaluation for 113 – 119 Lincoln St., Santa Cruz, CA
APN. 005-141-11 and 005-141-21

Dear Mr. Hoban:

This letter states the findings of historic significance, based on our research and conditions assessment of two properties located at 113 Lincoln Street (005-141-11) and 119 Lincoln Street (005-141-21) in Santa Cruz, California. PAST Consultants, LLC (PAST) attended a site visit to the subject properties on March 9, 2022 to photograph and inspect the commercial building located at 113 Lincoln Street. Research was conducted in March 2022 to determine the historic significance of the commercial building on the subject property.

**Summary of Findings**

Located on the northwest corner of Lincoln and Cedar Streets, the subject properties are:

- 005-141-11: 113 Lincoln Street, which contains a 1941 commercial building; and
- 005-141-21: An empty parking lot at the corner of Lincoln and Cedar Streets. Since no historic resources are on this parcel, no additional historic evaluation is required.

The commercial building at 113 Lincoln Street is a 1941 reinforced concrete building that served as the Santa Cruz location for the Western Auto Supply Company from 1940 – 1972. The building has been altered considerably with a 1980 storefront remodeling campaign, removal of the original entrance and a 1986 rear addition. Given the changes made to what was a modest original design, the subject building no longer possess sufficient historic integrity of setting, design, materials, workmanship feeling and association for it to qualify for listing on the National Register of Historic Places (National Register) or the California Register of Historical Resources (California Register). The subject property containing the commercial building at 113 Lincoln St. is not eligible for the

Santa Cruz Historic Resources Inventory because the building does not meet City preservation criteria and has been altered substantially.

The following historic evaluation report describes the subject property, presents a construction chronology of the building, provides a summary history and evaluates the property for historic significance according to criteria of the National Register, the California Register and the City of Santa Cruz municipal code.

## Project Location

The project contains two adjacent properties: 113 Lincoln Street (005-141-11) and the empty parking lot that formerly contained 119 Lincoln Street (005-141-21) and is now a city parking lot (**Figure 1**).

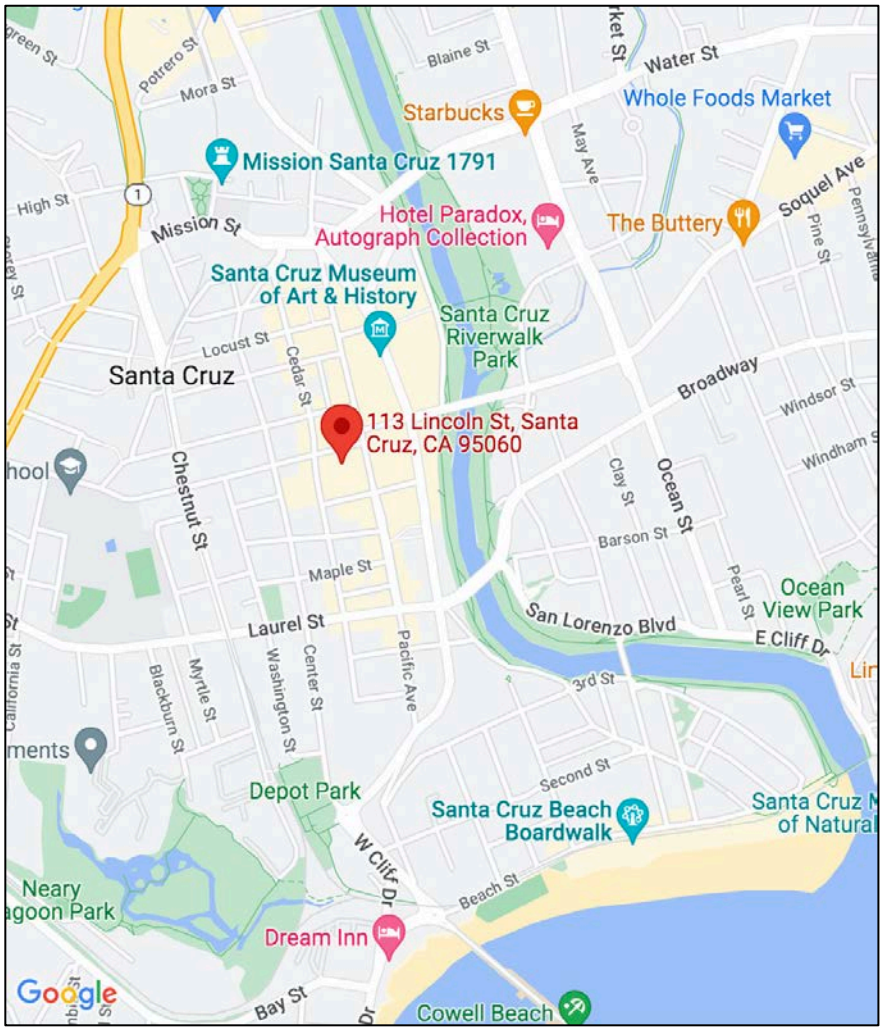



**Figure 1.** Location map (*Courtesy: Google Maps*).

## Project Team

***Client/Applicant***
Weber and Hayes, Associates
c/o: Pat Hoban
120 Westgate Drive
Watsonville, CA 95076

***Regulatory Agency***
City of Santa Cruz Planning Department
809 Center Street, Rm. 206
Santa Cruz, CA 95060

***Historic Preservation Consultant***
PAST Consultants, LLC
P.O. Box 721
Pacific Grove, California 93950
*Architectural Historian and Report Author: Seth Bergstein meets the Secretary of the Interior's Professional Qualifications Standards in Architectural History and History.*

## PAST Consultants: Qualifications

Seth A. Bergstein, Principal of PAST Consultants, LLC, began his technical career as a civil, structural and geotechnical engineer for a variety of commercial and transportation engineering projects. This experience created an appreciation for historic engineering and architectural structures and led him to architectural study at the University of Oregon, Eugene, and a Master of Arts in Historic Preservation from Cornell University. After Cornell, Seth was a materials conservator and project manager for Architectural Resources Group and managed projects for a diverse range of historic building types, including the Point Reyes Lighthouse, Bernard Maybeck's First Church of Christ, Scientist - Berkeley, Pasadena City Hall, the John Muir House, and a number of historic bridges, including project management for the restoration of the Wawona Covered Bridge in Yosemite National Park.

In 2004, Mr. Bergstein founded PAST Consultants, LLC (PAST), a historic preservation consulting firm specializing in preservation planning, documentation, and conservation for historic and cultural resources. PAST's clients include the State of California, public agencies, architectural and engineering firms, museums, nonprofit organizations, preservation advocates and private property owners. PAST is represented on the California Historical Resources Information System (CHRIS) list of qualified historic consultants sponsored by the California Office of Historic Preservation and is on numerous certified consultants lists for public agencies throughout California.

PAST has prepared numerous successful National Register nominations, written historic context statements for public agencies, photo-documented historic buildings for HABS/HAER projects, prepared historic structure reports and evaluated numerous historic buildings throughout central and northern California for both public and private clients. PAST is often hired to evaluate proposed

changes to historic buildings for conformance with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*. PAST is presently the on-call historic preservation consultant for the City of Carmel-by-the-Sea and the City of Capitola.

Mr. Bergstein has developed expertise in California agricultural history with the 2010 preparation of the *Historic Context Statement for Agricultural Resources in the North County Planning Area, Monterey County* and the 2011 *Agricultural Resources Evaluation Handbook, Monterey County, California*. The latter project was a collaborative effort with Monterey County, the California State Office of Historic Preservation (SHPO) and the community to develop a methodology for evaluating historic agricultural resources that could become a model for all regions of California. Monterey County planners, consultants and interested parties use both reports widely.

Principal Seth A. Bergstein has nearly 30 years combined experience in civil and structural engineering, materials conservation, architectural history and historic preservation planning. Seth meets the *Secretary of the Interior's Professional Qualifications* Standards in Architectural History and History. Mr. Bergstein has been keynote speaker at preservation conferences, has written articles on historic contexts and the preparation of historic context statements, provided historic preservation training to city planning staff and has led architectural tours. He is a member of the Alliance of Monterey Area Preservationists (AMAP) and is founding board member of the Monterey Area Architectural Resources Archive (MAARA).

## Methodology

### Site Visits

PAST attended an initial site visit to the subject properties on March 9, 2022 to photograph and perform a conditions assessment of the building on the subject properties.

### Research Design

Research was conducted during March 2022. PAST performed research in the following repositories to develop this historic assessment report:

- Santa Cruz County Assessor's Office, Santa Cruz, CA;
- City of Santa Cruz Planning and Building Divisions, Santa Cruz, CA;
- Santa Cruz Public Library;
- California History Room, Monterey Public Library; and
- On-line genealogy portals, including those associated with Ancestry.com and Newspapers.com.

The purpose of the research design was to determine the construction chronology of the subject building, to understand the historical uses of the property, and to determine if any of the previous property owners were significant persons in national, California or Santa Cruz history.

## Registration

The properties are not listed on the National Register of Historic Places or the California Register of Historical Resources. The property is not included in any of the three volumes of the *Santa Cruz Historic Building Survey*.

## Regulatory Framework

The City of Santa Cruz evaluates historic resources according to the guidelines of the California Environmental Quality Act, the California Register Program and the City of Santa Cruz, under Municipal Code Section 24.12.440. The California Environmental Quality Act (CEQA) provides the framework for the evaluation and treatment of historic properties (Section 15064.5). CEQA defines a historical resource as: (1) a resource determined by the State Historical Resources Commission to be eligible for the California Register of Historical Resources (including all properties on the National Register); (2) a resource included in a local register of historical resources, as defined in Public Resources Code (PRC) Section 5020.1(k); (3) a resource identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); or (4) any object, building, structure, site, area, place, record, or manuscript that the City determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California, provided the lead agency's determination is supported by substantial evidence in light of the whole record.[1]

## National Register of Historic Places (National Register)

The National Historic Preservation Act of 1966 authorized the Secretary of the Interior to create the National Register of Historic Places. Districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering and culture are eligible for listing if they meet at least one of four criteria.[2] Eligible resources are those:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
B. That are associated with the lives of persons significant in our past; or
C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D. That have yielded, or may be likely to yield, information important in prehistory or history.

Eligible resources must also retain sufficient integrity of location, design, setting, materials, workmanship, feeling, and association to convey the relevant historic significance.[3] The seven aspects of integrity are described in a separate section below.

[1] California Code of Regulations, 14 CCR § 15064.5.
[2] 16 U.S.C. 470, *et seq.,* as amended, 36 C.F.R. § 60.1(a).
[3] 36 C.F.R. § 60.4.

**California Register of Historical Resources (California Register)**
A resource is eligible for listing in the California Register of Historical Resources if it:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.[4]

Resources eligible for listing in the California Register must retain enough of their historic character or appearance to be recognizable as historic resources and convey the reasons for their significance.

The same seven aspects of integrity are considered when evaluating resources for listing in the National Register and California Register: location, design, setting, materials, workmanship, feeling, and association. Alterations over time or historic changes in use may themselves be significant. However, resources that may not retain enough integrity to meet National Register criteria may still be eligible for listing in the California Register.

**Historic Integrity**

*National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* defines **historic integrity** as "the ability of a property to convey its significance." Historic properties either retain their integrity or they do not. To retain integrity, a resource will always retain several and usually most of the seven aspects of integrity:

1. **Location:** the place where the historic property was constructed or the place where the historic event occurred.
2. **Design:** the combination of elements that create the form, plan, space, structure, and style of a property.
3. **Setting:** the physical environment of a historic property.
4. **Materials:** the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
5. **Workmanship:** the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
6. **Feeling:** a property's expression of the aesthetic or historic sense of a particular period of time.
7. **Association:** the direct link between an important historic event or person and a historic property.

After establishing the property's historic significance, the evaluator assesses integrity using *National Register Bulletin 15*'s four-step approach:

1. Define the **essential physical features** that must be present for a property to represent its significance.

[4] California Public Resources Code § 5024.1(c).

2. Determine whether the **essential physical features are visible** enough to convey their significance.

3. Determine whether the property needs to be **compared with similar properties**. And,

4. Determine, based on the significance and essential physical features, **which aspects of integrity** are particularly vital to the property being nominated and if they are present.

*National Register Bulletin 15* emphasizes that "ultimately, the question of integrity is answered by whether or not the property retains the **identity** for which it is significant."[5]

**City of Santa Cruz Municipal Code**

The designation and treatment of historic properties is codified in the City of Santa Cruz Municipal Code, *Chapter 24.12 – Community Design, Part Five: Historic Preservation (Municipal Code Sections 24.12.400 – 24.12.450).* Historic resources must meet the criteria of the National Register, California Register, or City of Santa Cruz Historic Preservation criteria. The City of Santa Cruz's Historic Preservation criteria are located in *Chapter 24.12.440 - Santa Cruz Historic Building Survey*, and are the following:

The **property** is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.[6]

[5] U.S. Department of the Interior, National Park Service, *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation*. Washington, D.C.: National Park Service, U.S. Department of the Interior, 1997, 44-49 (bold in original).
[6] City of Santa Cruz, Municipal Code *Chapter 24.12 – Community Design, Part Five: Historic Preservation*.

## 113 Lincoln Street (005-141-11): Description

The parcel contains a reinforced concrete commercial building (1941) constructed in a simplified Streamline Moderne style. The building has a rectangular plan, a flat roof with parapets skylights and recent solar panels, stucco wall cladding and a replaced storefront. (**Figures 2 - 5**).

**Figures 2 and 3.** Left image shows the front (north) and right side (west) elevations viewed from Lincoln Street. The storefront was replaced in 1980. Right image details the front (north) and left side (east) elevations.

**Figures 4 and 5.** Left image shows the west elevation, with solar panels installed on the roof. Right image details the rear (south) elevation, which contains the 1986 rear addition with metal windows, metal doors and awnings.

The building has been altered substantially since its 1941 construction date (**Figures 6 - 8**).

**Figure 6.** 1974 Santa Cruz County Assessor's photograph of the front (north) elevation. Note the earlier storefront and Western Auto sign.

**Figures 7 and 8.** Left image details the north elevation, showing the replaced storefront. Right image details the east elevation and the 1986 rear addition (arrow).

## 113 Lincoln Street (005-141-11): Construction Chronology

A records search was conducted at the City of Santa Cruz planning and building departments and the Santa Cruz County Assessor. Based on the Assessor's records, permit record and the conditions assessment, the following is the building chronology:

- Permit No. 4341, 3/27/1941: Construct reinforced concrete commercial building in the Streamline Moderne style. George Wilson, Contractor; Morris Abrams, Owner.
- Permit No. A17150, 9/14/1970: Apply stucco overlay to building; remodel electrical.
- Permit No. A26757, 3/27/1980: Remodel building into health clinic. Remove and replace original storefront.
- Permit No. B4169, 9/17/1986: Install rear addition and rear metal fenestration.
- Permit No. R002391, 7/8/1994: Replace rolled roofing at select locations.
- Permit No. CP13-0141, 9/26/2013: Add interior second floor to building.

## 119 Lincoln Street (005-141-21): Description

The parcel is now an empty parking lot. Sanborn maps (**see Figures 13 and 14**) indicate a commercial building once occupied the parcel; this building has been removed. Current views of the parking lot appear below (**Figures 9 and 10**).

**Figures 9 and 10.** Two views of the commercial building at 113 Lincoln St. taken from the adjacent parking lot (005-141-21) looking east and northeast, respectively.

## 119 Lincoln Street (005-141-21): Construction Chronology

The building removed for the present City of Santa Cruz-owned parking lot was constructed in 1940 for Safeway Stores, Incorporated (Permit No. 2950, 7/18/1940).

## Summary Property History

### Summary of Commercial Development on Pacific Avenue

The earliest concentration of downtown commercial buildings was in a one-block area at the north end of the present downtown commercial core, centered at Front Street (originally Main Street) between Water and Cooper streets. As the City entered a prosperous time in the 1860s and 1870s, the commercial core shifted to Pacific Avenue, roughly between Lincoln and Mission streets.[7] By the 1890s, Santa Cruz's population had grown to 5,800 persons, and the commercial core in this location remained the center of Santa Cruz commerce.

In the street's heyday of development, Pacific Avenue boasted a well constructed - if somewhat ordinary - collection of nineteenth-century hotels, restaurants, stores and other commercial buildings. In 1894, E.S. Harrison's *History of Santa Cruz* noted, "The business blocks of the city while making no pretensions to magnificence of proportions or particular beauty of architecture, are substantial, and bespeak an air of prosperity." The April 14, 1894 fire consumed the majority of the block bounded by Pacific Avenue, between Front and Cooper streets. The blaze resulted in the development of building standards that limited the number and height of wood buildings, while encouraging construction using masonry and other materials considered fireproof.[8]

By the 1920s, the northern area of Pacific Avenue had taken on the appearance of a bustling commercial center, with a variety of hotels, stores and commercial buildings, the presence of the streetcar and the growing influence of the automobile (**Figure 11**).

**Figure 11.** Pacific Avenue, looking north from Soquel Avenue, circa 1920 (*Courtesy, Santa Cruz Public Library, Photograph Collection, Image LH-0082).*

[7] John Leighton Chase, *The Sidewalk Companion to Santa Cruz Architecture*. The Museum of Art and History, Santa Cruz, CA, 2005, 133.
[8] Susan Lehman, *Historic Context Statement for the City of Santa Cruz,* 2000, 20.

In 1969, the Pacific Garden Mall was completed along Pacific Avenue, between Water and Cathcart streets. Conceived by architects Arthur Hyde and Kermit Darrow and Santa Cruz landscape architect Roy Rydell, Pacific Avenue became a one-way street with the construction of meandering, pedestrian-friendly walkways among various trees and potted plants. Influenced by Frank Lloyd Wright, Roy Rydell incorporated hexagonal shapes and curving paths to remove the feeling of a rigid urban setting, while replacing it with integration of the pedestrian experience with both nature and the city. The Pacific Garden Mall opened in November of 1969. The result was the creation of an open-air environment for street performers, artists and political protests that would characterize Santa Cruz in the 1970s.[9]

The 1989 Loma Prieta Earthquake changed the commercial core of Santa Cruz irrevocably, with the destruction of many buildings downtown along the entire length of Pacific Avenue. The historic commercial core north of Soquel Avenue was substantially damaged; and the area no longer possesses enough of a concentration of historic buildings to form a district. Intended to be fireproof, the post-1894 unreinforced masonry buildings suffered heavily, with only several landmark buildings remaining. The considerable destruction of many historic buildings, the subsequent demolition of unsafe buildings, and the façade improvements of surviving buildings have changed the look of the downtown commercial core considerably. The 1986 National Register-listed Downtown/Pacific Avenue Commercial District was delisted in 1991 as a result of the number of buildings lost in the earthquake.[10] The historic setting of the subject properties one block away from the city's commercial artery has also been modified with the removal of buildings and new construction since 1989 (**Figure 12**).

**Figure 12.** Looking east down Lincoln Street toward Pacific Avenue, showing the two subject properties and the modern buildings that have altered the existing setting (arrows).

[9] Wallace Bain, "Pacific Garden Mall is Remembered 40 Years after its Founding and 20 Years since its Demise." *Santa Cruz Sentinel*, 10/3/2009.
[10] City of Santa Cruz and Archives & Architecture, *Santa Cruz Historic Resources Survey – Volume 3, March 2013*, 6.

## Development of the Subject Properties

With the City's population growth and subsequent expansion, portions of the residential blocks adjacent to and west of Pacific Avenue began to be redeveloped for commercial use. Sanborn maps from 1947 indicate the development in the project area (**Figures 13 and 14**).

**Figures 13 and 14.** Left image is a 1947 Sanborn map of the project area. Right image details the subject properties (arrows).

The subject buildings at 113 Lincoln Street and 119 Lincoln Street (removed) developed during this time of commercial expansion west from Pacific Avenue.

## Property Ownership and Occupancy

Based on a survey of available city directories (*Polk's Santa Cruz City Directories: 1941 – 1972*), the subject property was occupied by the Western Auto Supply Company for the entire historic analysis period of 1941 – 1972. The building owner listed on the original permit was Morris Abrams.

Management of the Western Auto Supply Store changed frequently, as shown in Table 1, below. The first store manager and the one with the longest tenure was Henry S. Bowman.

**Table 1. Managers of Western Auto Supply Company, 1941 - 1970[11]**

| Year | Name of Manager | Home Address |
|---|---|---|
| 1941-1953 | Henry S. Bowman | 115 Acacia, Santa Cruz |
| 1953-1958 | Thomas D. Wilkeman | Outside of Santa Cruz |
| 1958-1963 | Marvin R. Kilgore | 707 Cayuga, Santa Cruz |
| 1963-1968 | George W. Donnell | 319 S. Branciforte, Santa Cruz |
| 1968-1972 | Lyle S. Davis | 2209 42nd St., Santa Cruz |

The 1940 U.S. Federal Census lists Morris Abrams (1862-1945) as retired and living on High Street in Santa Cruz. He owned the Morris Abrams clothing store located at 204 Pacific Street in Santa Cruz. While Morris Abrams was a successful local business owner, the subject property cannot be considered significant for his historical association, as he did not reside or do business at the 113 Lincoln Street location. His clothing store at 204 Pacific Street would be a more appropriate location for establishing any historic significance for Morris Abrams.[12]

A native of Illinois, Henry S. Bowman (1914 - 2005) managed the Santa Cruz location of Western Auto Supply from the date the location opened in 1941 until 1943 when he was relocated to the Martinez, California store location. He returned to Santa Cruz and managed the Western Auto Supply location until 1953. By 1950, Western Auto Supply Company operated 1724 stores, with 450 on the West Coast. Henry S. Bowman retired to Florida and was buried in Gainseville. While he appears to have been a successful and popular store manager, he did not make any significant contributions to national, California or Santa Cruz history.[13]

[11] *Polk's Santa Cruz City Directories*, 1941-1972, courtesy the Santa Cruz Public Library.
[12] "Morris Abrams Day, Santa Cruz News," *Santa Cruz Evening News*, May 27, 1937. This article announces the opening of the new Morris Abrams store at the corner of Pacific Avenue and Lincoln Street (204 Pacific St.) and not at the subject property's location.
[13] "Western Stores," *Santa Cruz Sentinel,* 3/29/1949. Also, *Florida, U.S., Jacksonville Area Obituary Collection, 1851-2009, Henry S. Bowman* (Courtesy: *Ancestry.com*).

## Historic Assessment of the Subject Property

### National Register and California Register Significance

The National (NR) and California (CR) registers have the same four-part criteria (see *Regulatory Framework section*). The criteria break down into Association with an *event* (NR - A; CR – 1); Association with an *important person* (NR - B; CR – 2); Association with *architectural and/or construction method* (NR - C; CR – 3); and *Information potential* (NR - D; CR – 4).

Given the disturbed nature of the site and development of the area, the subject property does not qualify under the fourth criterion, archaeological/informational potential (NR - D; CR – 4). The following evaluates the subject property under the remaining three criteria.

**Event: National Register- Criterion A/ California Register-Criterion 1**.
*Associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States*.

The subject property is not eligible under this Criterion, as no specific event led to its development. The subject properties developed during a period of population growth that created a demand for increased commercial development in the City of Santa Cruz. The subject properties developed as the commercial core of downtown Santa Cruz expanded in the 1940s and following World War II. Commercial growth itself would not be considered a significant event under this Criterion, as it can be applied to numerous cities throughout California and the United States.

**Important Person: National Register Criterion B/California Register-Criterion 2**.
*Associated with the lives of persons important to local, California or national history.*

The building owner at 113 Lincoln Street was Morris Abrams, a successful clothing retailer, who also owned and operated Morris Abrams Clothing at 204 Pacific Street. Morris Abrams did not reside or do business at the 113 Lincoln Street location. His clothing store at 204 Pacific Street would be a more appropriate location for establishing any historic association for Morris Abrams.

A native of Illinois, Henry S. Bowman (1914 - 2005) managed the Santa Cruz location of Western Auto Supply at the time the company occupied the subject property. While he appears to have been a successful manager, his work would not elevate him to the level of a significant person according to this Criterion.

The subject property is not eligible under this Criterion.

**Architectural Design: National Register Criterion C/California Register-Criterion 3**.
*Architectural design/construction method or represents the work of a master or possesses high artistic values*.

The *Historic Context Statement for the City of Santa Cruz* classifies the building within the Moderne style, with construction spanning the dates of 1925 – 1950. The document lists character-defining features of the style, including a smooth wall surface, usually of stucco, a flat roof with a

small coping at the roofline and an emphasis on the horizontal. Industrial sash windows and details may include pipe railings, round windows like portholes on a ship, incised zig-zag designs, angular pediments and parapets and decorative relief patterns. The report notes, "This is not a style well-represented in Santa Cruz. A few commercial buildings downtown have moderne detailing but there are no major concentrations of the style to be found." [14]

The subject building at 113 Lincoln St. was a modest example of the Streamline Moderne style and did not include any zig-zag designs, porthole windows, or decorative relief patters, with the exception of the flanking concrete pilasters. While this feature remains, substantial alterations including replacement of the original storefront, the entrance and signage; as well as a rear addition, installed in the 1970-1990s have removed substantial historic integrity of design, materials, workmanship, feeling and association from the building. In its present condition, the subject commercial building is no longer an outstanding example of a type, period or construction method and is not eligible under this Criterion.

**City of Santa Cruz Historic Criteria**

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
   *The subject building at 113 Lincoln Street is a modest and substantially altered example of the Streamline Moderne style and is not a significant example of the built heritage of Santa Cruz.*

2. Associated with a significant local, state, or national event; and/or
   *The properties are not associated with a significant local, state or national event.*

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
   *The subject commercial building is not connected with a person who contributed significantly to the development of the City of Santa Cruz, California or the United States.*

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
   *The properties are not associated with a significant architect or builder in Santa Cruz.*

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
   *The modest and altered building at 113 Lincoln Street does not possess special architectural or aesthetic merit.*

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
   *The subject building does not possess distinctive stylistic characteristics or workmanship that would make it appropriate as an example of a type, period or construction method.*

[14] Susan Lehmann, *Historic Context Statement for the City of Santa Cruz: Context II – Architecture in the City of Santa Cruz*, 2000, 39.

7. Retains sufficient integrity to accurately convey its significance.
   *The subject building has been altered substantially and has lost historic integrity.*

**Historic Integrity Analysis**

A historic integrity analysis of the commercial building at 113 Lincoln St. appears below.

- **Location.** The building has not been moved and retains integrity of location.
- **Design.** The storefront replacement and rear addition have substantially removed historic integrity from the original design.
- **Setting.** Commercial infill and building replacements have compromised the integrity of setting around the subject building.
- **Materials.** The storefront replacement, fenestration modifications and rear addition are constructed of recent materials and have compromised the integrity of materials.
- **Workmanship.** Integrity of workmanship is diminished due to the alterations listed above.
- **Feeling.** The building alterations have reduced considerably the integrity of feeling as modest Streamline Moderne-style commercial building.
- **Association.** This does not apply, as no historic association has been determined for either of the subject properties.

**Conclusion**

In conclusion, the subject properties located at 113 and 119 Lincoln Street, Santa Cruz, California do not qualify for listing on the National Register of Historic Places, the California Register of Historical Resources or the Santa Cruz Historic Resources Inventory. The proposed project does not require mitigations for historic resources according to the California Environmental Quality Act (CEQA - Section 15064.5), as the subject properties are not historically significant.

Please contact me if you have any questions about this historic evaluation report.

Sincerely,

Seth Bergstein

Seth A. Bergstein, Principal

cc: City of Santa Cruz Planning Department; Shaun Ersoy, Weber and Hayes, Associates

**Weber, Hayes & Associates**
***Hydrogeology and Environmental Engineering***
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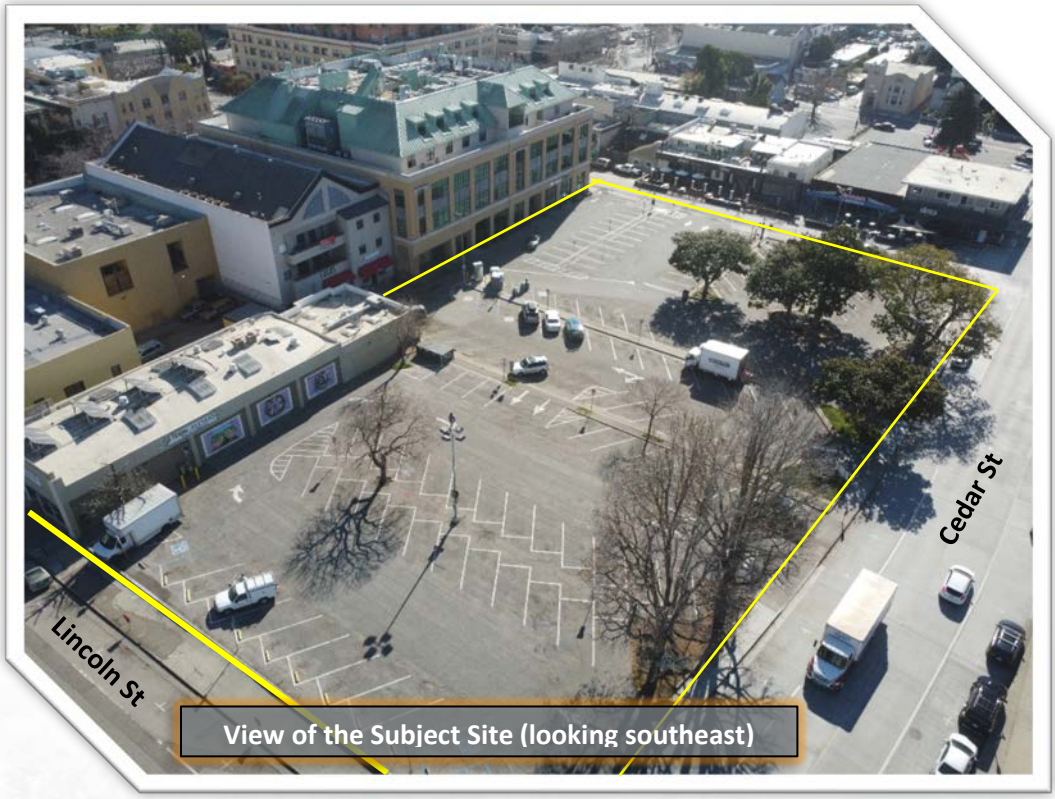
# Phase I/II Environmental Site Assessment

**September 22, 2022**



View of the Subject Site (looking southeast)

Subject Site:

**113 Lincoln Street & City Parking Lot**
**Santa Cruz, California**

Santa Cruz County
Assessor Parcel Numbers:
005-141-21, -11

Prepared for:

**City of Santa Cruz Economic Development**
**c/o: Bonnie Lipscomb**
337 Locust Street
Santa Cruz, CA 95060

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## Abbreviations and Acronyms

| | | | |
|---|---|---|---|
| APN | *Assessor's Parcel Number* | NFA | *No Further Action (de minimis Condition)* |
| ASTM | *American Society for Testing & Materials* | ppm | *Parts Per Million* |
| bgs | *Below Ground Surface* | NPL | *USEPA National Priorities List of Superfund* |
| CERCLIS | *Comprehensive Environmental Response, Compensation, and Liability Information System* | ppb | *Parts Per Billion* |
| CERC-NFRAP | *CERCLIS – No Further Remedial Action Required* | REC | *Recognized Environmental Condition* |
| CHMIRS | *California Hazardous Material Incident Report System* | SCC-EHS | *Santa Cruz County Environmental Health Services* |
| CREC | *Controlled Recognized Environmental Condition* | SLIC | *Spills, Leaks, Investigation & Clean-up* |
| CUPA | *Certified Unified Program Agency (A Local Haz-Mat Regulatory Oversight Agency)* | TPH | *Total Petroleum Hydrocarbons* |
| EDR | *Environmental Data Resources* | µg/L | *Micrograms per Liter* |
| ESA | *Environmental Site Assessment* | USGS | *United States Geological Society* |
| ESL | *Environmental Screening Level* | UST | *Underground Storage Tank* |
| $ft^2$ | *Square Foot* | | |
| HMBP | *Hazardous Materials Business Plan* | VCA | *Voluntary Cleanup Agreement* |
| HREC | *Historical Recognized Environmental Condition* | VCP | *Voluntary Cleanup Program* |
| LUST | *Leaking Underground Storage Tank* | VEC | *Vapor Encroachment Condition* |
| LTCP | *Low Threat Closure Policy* | VOC | *Volatile Organic Compound* |
| mg/Kg | *Milligrams per kilogram* | | |

**Explanation of Phase I Environmental Site Assessment Terminology**
**(source: ASTM Standard E 1527-15)**

**'REC' - *Recognized Environmental Condition*:** is the presence of hazardous substances or petroleum products in, on or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on or at the subject property under conditions that pose a material threat of a future release to the environment.". De minimis conditions are not *recognized environmental conditions*.

**'CREC' – *Controlled Recognized Environmental Condition*:** is a *recognized environmental condition* affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of controls (for example, activity and use limitations or other property use limitations". A condition considered by the environmental professional to be a *controlled recognized environmental condition* shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a *recognized environmental condition* in the conclusions section of the *Phase I Environmental Site Assessment* report.

**'HREC' - *Historical Recognized Environmental Condition*:** is a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities, without subjecting the property to any controls (for example activity and use limitations, or other property use limitations).

Before calling the past release a *historical recognized environmental condition*, the environmental professional must determine whether the past release is a recognized environmental condition at the time the *Phase I Environmental Site Assessment* is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a *recognized environmental condition* at the time the *Phase I ESA* is conducted, the condition shall be included in the conclusions section of the report as a *recognized environmental condition*.

***De minimis Condition*:** a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not *recognized environmental conditions* nor controlled *recognized environmental conditions*.

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# 1.0 EXECUTIVE SUMMARY

This report contains results of a combined *Phase I & II Environmental Site Assessment (ESA)*, which was conducted to evaluate the potential presence of environmental liabilities for a 1.53-acre, two parcel commercial property located at 113 Lincoln Street in Santa Cruz (herein referred to as the subject "Site", see the *Topographic Location Map*, Figure 1). It is to our understanding that this assessment is being conducted to satisfy due diligence property screening for a redevelopment project.

This *Phase I ESA* report documents standard investigation steps that include historical land use research, a review of regulatory records pertaining to on-site and vicinity properties, Site reconnaissance, and interviews with persons knowledgeable about the Site. A synopsis of this research and fieldwork is presented in this *Executive Summary*.

## 1.1 Summary of the Physical Setting

The subject Site is a flat-lying, approximately 1.53-acre, two parcel property located in a predominantly commercial area of downtown Santa Cruz (see Section 3.0 for full details). The Site contains one wood framed concrete, slab on grade, commercial structure (5,406 square foot [$ft^2$]) and large city parking lot (59,764 $ft^2$) with limited landscaping (see photos in Appendix A).

Land use maps and aerial photographs show the Site had been developed with multiple residential homes since at least 1886 and appears to have mostly remained unchanged until approximately 1940 when the Site was redeveloped with a few commercial store structures and parking lots. The Site has remained mostly as a city parking lot since at least 1968 (copies of the historical aerials are included in Appendix B). The Site is bound on three sides by streets (see clip to the right), and commercial buildings to the east (see the *Aerial Vicinity Map*, Figure 2). The flat-lying property is situated at an elevation of approximately 14 feet above mean sea level. First encountered groundwater beneath the Site flows in a southeasterly direction and is known to fluctuate seasonally at depths of between 9-to-12 feet below ground surface (bgs).

**1.29-Acre, Subject Site**
**(boundaries highlighted in blue)**

## 1.2 Summary of Phase I Research

*Phase I ESAs* provide limited assurances of risk, since they rely on current Site conditions (i.e., a Site inspection), cooperative and candid interviews/questionnaires, and a limited database of regulatory and historical documentation. The Site inspections, interviews, and review of regulatory and historic documents are designed to identify real and potential environmental liabilities of concern. Potential liabilities have been categorized by the *American Society for Testing and Materials (ASTM)* into the following four conditions based on decreasing levels environmental risk:

1) *recognized environmental conditions (REC)*,
2) *controlled recognized environmental conditions (CREC),*
3) *historical recognized environmental conditions (HREC),* and
4) *de minimis conditions.*

Definitions of these terms are provided on page iv (see *Explanation of Environmental Assessment Terminology*).

### *1.2.1 Summary of On-Site Findings*

As noted above, the flat-lying subject Site contains a single, one-story commercial structure (5,406 $ft^2$) a large city parking lot (59,764 $ft^2$), and some limited landscaping.

**Phase I Historical Document Review** (details in Section 4.0): Historical land use maps (Sanborn) and aerial photographs show the subject Site has been developed since at least 1886 with residential dwellings, outhouses, and stable/garage units. The Site remained mostly unchanged until sometime between 1940 and 1948 when a number of the dwellings were removed and replaced with two commercial (store) structures and parking lots. By 1968 the majority of the property contained a vehicle parking lot and only two structures (commercial) remained. By 1974, the existing commercial building (113 Lincoln Street) was the sole structure remaining and the remainder of the property contained a vehicle parking lot.

Until approximately 1940, adjoining and vicinity land-use was predominantly residential with the exception of Pacific Avenue. Beginning in the late 1940s residential land in the immediate vicinity appeared to be slowly replaced by commercial land uses (copies of historical aerials included in Appendix B).

**Phase I Review of Agency Records and User Questionnaire** (details in Sections 5.0 & 6.0): No environmental conditions of concern that were revealed for the Site and vicinity properties from the review of agency records or from the *User Questionnaire*.

**Phase I Site Inspection** (details in Section 7.0): The *Phase I ESA* includes an inspection of current environmental conditions at the Site. The inspection showed the subject property is largely encapsulated by a public city parking lot and concrete commercial structure (113 Lincoln Street) – see aerial photo on the cover of this report. The commercial building is well maintained and is occupied by a gym and contains shower/locker rooms and fitness equipment. Floor drains are present in each shower area. No bulk chemical storage or use of chemicals is conducted on Site. The majority of the Site is comprised as an asphalt covered, Public parking lot. There was some mild to moderate oil staining observed in individual vehicle pull in areas, but none of the staining was significant. No recognized

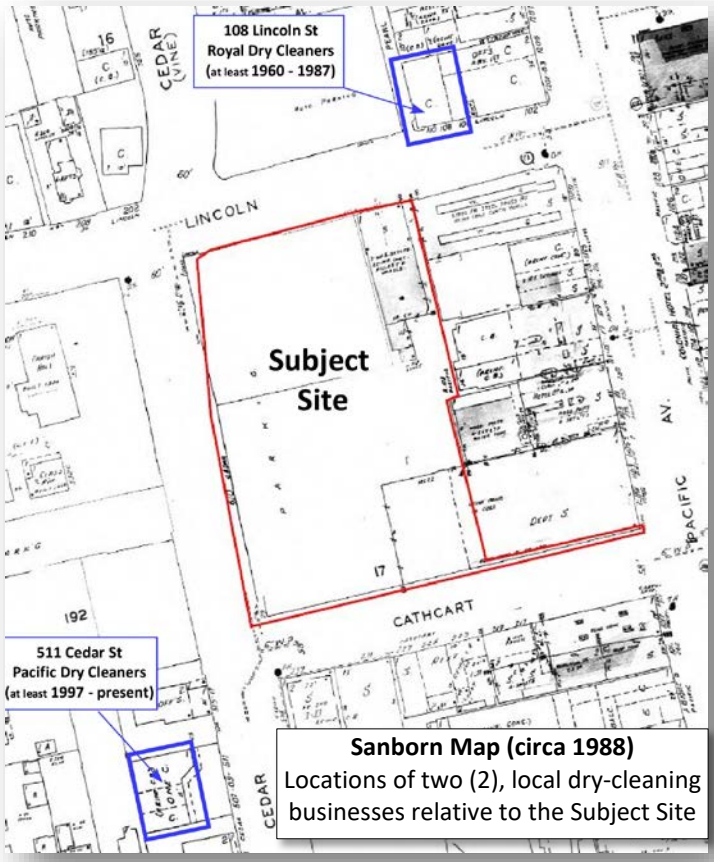
environmental conditions were identified based on current Site conditions observed during the inspection (see Photos in Appendix A).

**Phase I Conclusions of On-Site Conditions:** Based on the review of available historical and agency documents, interviews, and a Site inspection, **there were no <u>on-site</u> *recognized environmental conditions* identified**.

### *1.2.2 Summary of Vicinity Findings*

Agency records document a number of commercial properties chemical releases in the vicinity of the subject Site (details presented in Section 5 and Appendix D). The majority of the chemical release sites have undergone case closure and obtained regulatory *No Further Action* status. However, there remains a well-documented, widespread low-concentration solvent plume (TCE, cis-1,2-DCE, & Vinyl Chloride) present in downtown area groundwater that is upgradient of the Site. This dilute plume has some limited *potential* to encroach (flow) beneath the subject Site, based on the southwesterly groundwater flow direction in the area (additional details in Section 5.4). This relatively low-concentration contaminant groundwater plume, which remains an open agency case, and is considered a **Controlled Recognized Condition (CREC)**.

In addition to documenting the location of known groundwater plumes, we also evaluated the potential for pollutant plume off-gassing in accordance with current standards for assessing vapor encroachment (i.e., ASTM E2600-10, which has established search distances for volatile chemical release sites for conservatively evaluating the *<u>potential</u>* for vapor (soil gas) encroachment). The upgradient, relatively low-concentration solvent plume described above appears to be the only *<u>documented</u>* release having the potential for vapor encroachment.




**Sanborn Map (circa 1988)**
Locations of two (2), local dry-cleaning businesses relative to the Subject Site

Historical land use records also document the presence of a long term of a dry cleaner to the north (upgradient) and one to the southwest (side/downgradient) of the Site. Dry cleaners are known to use relatively large quantities of chemicals, discharge dry cleaning solvent wastewater to drainage lines, and generate chemical wastes. The two cleaners are:

1. <u>108 Lincoln Street - Royal Dry Cleaners</u> (1960 – 1987): This dry cleaner may have closed operations before permitting and inspections were required by the local overseeing agency (Santa Cruz County Environmental Health Services, SCC-EHS).
2. <u>511 Cedar Street - Pacific Dry Cleaners</u> (at least 1997 – present): Operations/chemical use

records on file with SCC-EHS documented the use of chlorinated solvents (i.e., Tetrachloroethylene, aka: PCE) from at least 1997 to approximately 2005, after which dry cleaner wash solvent transitioned to a hydrocarbon-based alternative. Agency inspection records did not document any operational violations of concern for this business.

Neither of these two cleaner businesses have any agency-documented chemical releases (details described in Section 5). However, dry cleaning businesses in general have a record of solvent-laden wash water releases to drainage sumps and drainage piping so there exists some elevated *potential* risk of undocumented chemical releases that could encroach beneath the subject Site**.**

#### *1.2.3 Phase I Research Findings*

There were no data gaps encountered while completing this Phase I research.

- Phase I - On-site Conclusions: There were no on-site *recognized environmental conditions* (REC's) identified, based on the review of available historical and agency documents, interviews, and a subject Site inspection.
- Phase I - Off-site/Vicinity Conclusions:
  1. There is one (1), agency-regulated open chemical release case which documents a plume having some limited potential to impact (encroach upon) the subject Site. This upgradient, low-concentration, dilute groundwater plume is considered a ***Controlled Recognized Environmental Condition* (CREC)**, since the contaminant source is from an off-site responsible party and the overseeing agency has no characterization or cleanup requirements for the subject Site.
  2. A nearby, upgradient property located across Lincoln Street operated as a dry cleaner for 27+ years (108 Lincoln Street, details described in Section 5). Commercial dry cleaner businesses are considered "red flag" sites because many of these businesses are documented to inadvertently have released chemicals to the subsurface via operations (i.e., disposal of solvent laden wash water to sumps and drain lines), daily handling of chemicals, and the generation/disposal of chemical wastes. Because of long term dry cleaning operations located immediately upgradient of the subject Site, there is a risk of a historical, *undocumented* chemical releases based on the dry cleaning industry track record . Any release would then have some potential to encroach beneath the Subject Site. This is considered a ***Recognized Environmental Condition* (REC).** The primary concern is the *potential* for vapor encroachment into a building.
  3. To a lesser extent, a second, long term dry cleaner (26+ years of operation, and currently operating ~100-ft to the southwest of the subject Site (511 Cedar Street) has a similar encroachment risk from soil vapor. This active dry cleaner has no history of a documented chemical release, but as noted above, this "red flag" industry is a risk if in proximity to the subject site due to the likely operational history that includes standard-of-care disposal of solvent laden wash water to sumps and drain lines. This nearby property is considered a ***Recognized Environmental Condition***.

## 1.3 Summary of a Phase II Soil Vapor and Groundwater Sampling Program

Based on the Phase I findings (detailed in Sections 1.2.1 and 1.2.2 above), a Phase II sampling and testing program was implemented to evaluate subsurface Site conditions for *potential* contamination. The program included the following collection and State-certified-laboratory analysis of on-site shallow soils, groundwater, and soil vapor samples:

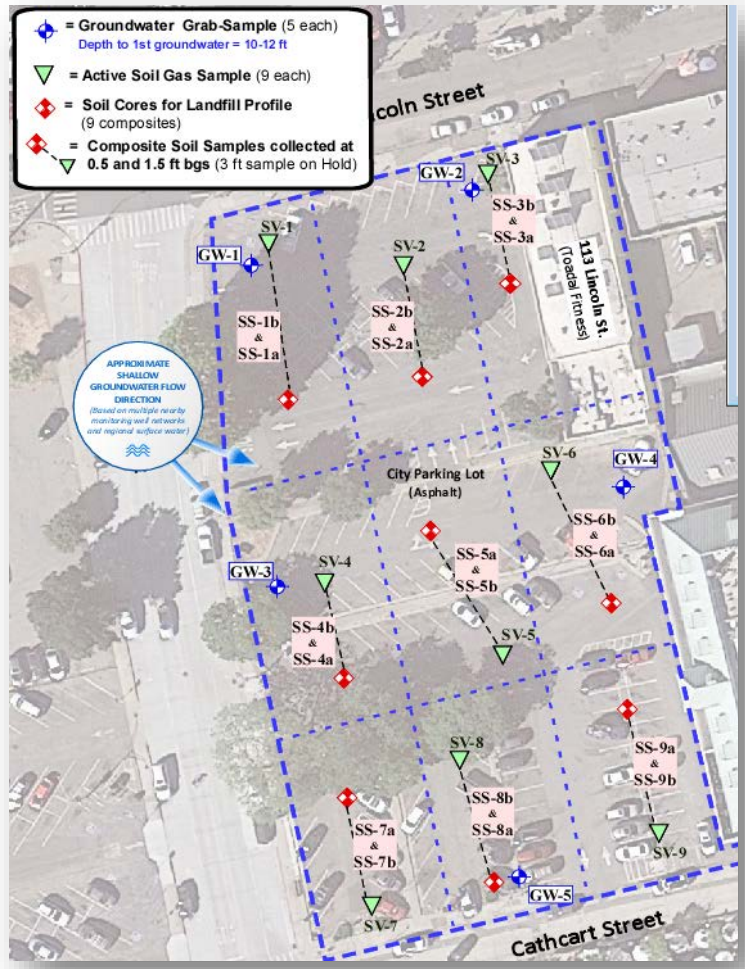



**Figure 1 Phase II Sample Locations**
(see Figure 5 for enlarged version of this aerial clip)

- Five (5) **groundwater samples (GW-1 through GW-5)** were collected from depths of between 9.0 and 11.0 feet bgs and analyzed for the full suite of *Volatile Organic Compounds* (VOCs) and fuel (gasoline).
- Nine (9) shallow, **soil vapor samples (SV-1 through SV-9)** were collected from a depth of 5 feet bgs from across the entirety of the Site and analyzed for the full suite of volatile contaminant compounds.
- A total of eighteen (18) **soil cores** (**SS-1A/B through SS-9A/B)** were obtained to depths of 4.0 feet bgs. Soil samples were retained from depths of 0.5, 1.5, and 3.0 feet bgs. The two shallow samples were tested at a State-certified laboratory analysis (2-point composites). The deeper samples were put-on hold for as-needed analysis. Samples were tested for landfill profiling and to evaluate for common urban contaminants of concern (fuel, oils and metals)

The laboratory results have been tabulated along with agency, risk-based threshold limits for comparison of detected concentrations (see Tables 1, 2 and 3). Results are summarized below:

### *1.3.1 Groundwater Sample Results (Table 3)*

Representative samples of first encountered groundwater beneath the subject Site contained *only trace to low level detections* of two common urban contaminants: 1) gasoline range total petroleum hydrocarbons (TPH), and 2) the solvent compound 1,2-Dichloroethene (both cis-, and trans). All concentrations were detected well below established water quality and environmental screening thresholds.

No other *Volatile Organic Compounds* (VOCs) were detected in any of the groundwater samples.

### *1.3.2 Shallow Soil Vapor Sample Results (Table 2)*

As noted above, nine (9), shallow soil vapor samples (5 feet bgs) were collected from across the Site and tested for the standard suite of volatile urban contaminants at a State-certified laboratory. Aside from an apparent anomalous bias detection that the laboratory identified to originate from natural oil/extract compounds[1], all remaining soil vapor sample results contained relatively low-concentrations volatile concentrations.

- Fuel-Based Volatile Detections: There were widespread, low-level concentrations of volatile, fuel-based constituent contaminants detected across the Site (i.e., **TPH-Gasoline & Benzene**). However, there were only two (2) sample locations (***SV-1 & SV-9***) having concentrations that exceeded the land use threshold for the common urban contaminant, Benzene. Specifically, low concentration benzene was detected between **4.1 µg/m$^3$** to **4.8 µg/m$^3$**, which slightly exceeds the residential (unrestricted) land use threshold of **3.2 µg/m$^3$**.
- Solvent-Based Volatile Detections: Similarly, there were also widespread, low-concentrations of solvent-based volatile contaminants detected across the Site (i.e., **PCE & TCE**, two common degreaser compounds used in historic dry cleaning and automotive repair operations). However, only two (2) sample locations (***SV-7 & SV-9***) had concentrations that exceeded residential (unrestricted) land use thresholds. Specifically:
    - A relatively low concentration of PCE (**29 µg/m$^3$**) was detected **at SV-7**, which exceeds the residential (unrestricted) land use threshold of **15 µg/m$^3$**. And,
    - A relatively low concentration of TCE (**30 µg/m$^3$**) was detected **at SV-9**, which exceeds the residential (unrestricted) land use threshold of **16 µg/m$^3$**.
- Note: *None of the detected volatile soil gas concentrations exceeded commercial land use screening thresholds* (see Table 2 for additional details).

### *1.3.3 Soil Sample Results (Table 1)*

Phase II shallow soil samples were primarily tested to evaluate potential reuse of on-site soils during redevelopment earthworks as well as for landfill disposal profiling of surplus soils. The laboratory results showed that the bulk of the shallow soils collected from across the Site were impacted with

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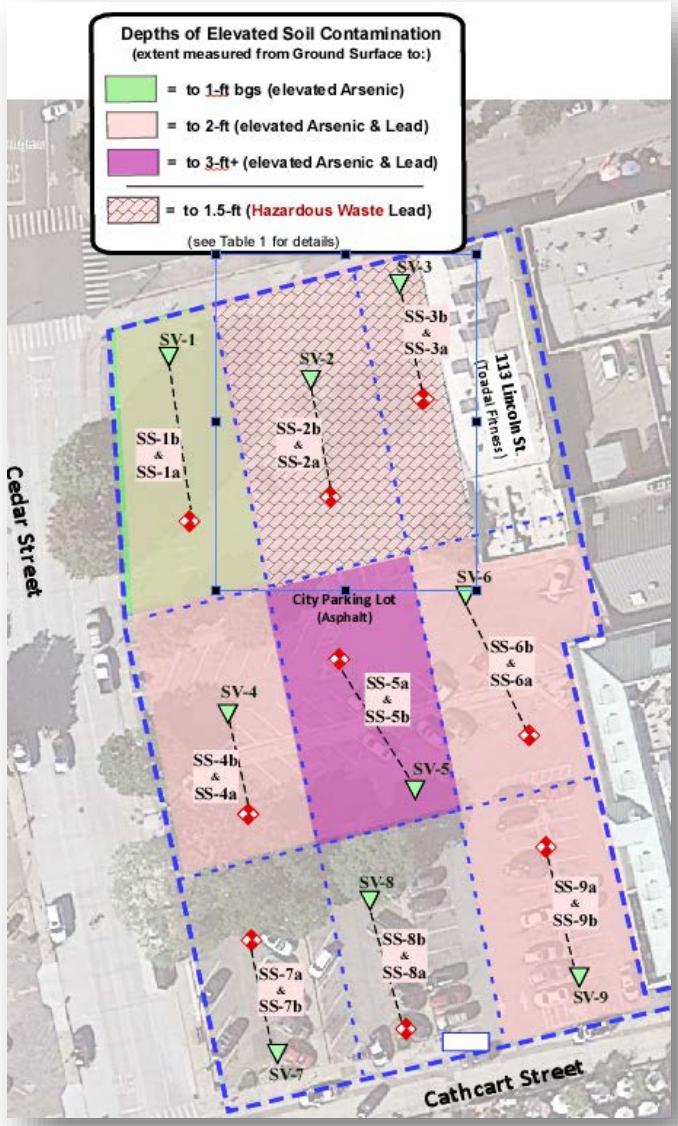
[1]: The testing laboratory (Pace Analytical) noted that there were anomalous concentrations of a natural oil/extract compounds (tentatively identified compounds of "Pinene, and some Camphor, and D-limonene" associated with natural plants and trees) at one location (SV-2). These natural (non-toxic) volatiles cause a bias in the "gasoline" range of TPH.

Likely source of detected Pinene, and some Camphor, and D-limonene: This parking lot property has a long history as a farmers' market, and it's most probable that a concentrated bottle of natural extracts was spilled at this location and seeped into the shallow soil. The laboratory has confirmed these non-toxic compounds generated a false positive of TPH-Gasoline at this location (SV-2). A copy of the testing laboratory's *Tentatively Identified Compound (TIC)* report is included at the back of Appendix F (lab reports).

elevated concentrations of Lead and Arsenic. Typical urban sources for these metal contaminants originate from Lead-based paint and weed and rodent control (i.e., arsenates).

Most of the elevated metal concentrations are characterized as "*non-hazardous*" and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the Site exceeded residential (unrestricted) or commercial land use screening threshold limits and will need to be graded off and disposed of. Figure 5 (and the clip to the right) presents a plan view of the Site showing color-coded depths of soil that would need to be removed to achieve residential (unrestricted) land use thresholds (i.e., impacted soils by depth).




**See Figure 5 for Enlarged Copy**

<u>Preliminary Lateral/Vertical Soil Delineation</u>: Shallow soil samples (0.5-ft, and 1.5 ft) collected from nine (9) quadrants were initially collected and tested as 2-point composites (see attached Figure). Following receipt of the 2-point composite lab results (which indicated relatively widespread shallow contamination, primarily as Arsenic and Lead) the following additional analysis was completed:

1) The nine (9), 2-point composite soil samples were broken up and individually analyzed for Lead and and/or Arsenic to evaluate whether one or both of the soil samples that made up the composite were impacted. The goal behind this additional "discrete" sample analysis was to delineate and/or eliminate sub-quadrants as areas of potential concern. And;

2) The deeper, 3-ft samples on hold at the laboratory were lab-analyzed as composite samples. The goal behind the additional "deeper" sample analysis was to further delineate the vertical extent of contamination.

   - Note that only one (1) of the nine (9) deeper soil samples (SS-5) contained elevated contaminant concentrations, *which indicates that the vertical extent of contamination appears to be limited to less that 3-ft bgs*.

Additional Phase II testing details are provided in Section 8 of this report.

Landfill Disposal: As noted above, most of the contaminant metal concentrations detected in shallow soil are characterized as "non-hazardous" and can be disposed of at a local, municipal landfill. However, two samples (SS-2 at 1.5-ft and SS-3 at 0.5-ft bgs) contained hazardous waste concentrations of soluble Lead and will be required to be disposed of at a Class 1 landfill (see brick -shaded quadrants on the attached Figure 5). In summary, this Phase II screening of shallow, on-site soils provides a preliminary overview of soil conditions. Additional horizontal/vertical delineation will be needed to provide accepting landfills with enough data to take these soils.

### 1.4 Executive Summary: Conclusions and Recommendations

We have performed a standard of care, *Phase I/II Environmental Site Assessment* in conformance with protocols established in ASTM Practice E1527-15 and there were no data gaps encountered while completing this research.

Phase I - On-site Conclusions: There were no on-site *recognized environmental conditions* (REC's) identified, based on the review of available historical and agency documents, interviews, and a site inspection. research.

Phase I - Off-site/Vicinity Conclusions:

1. There is one (1), open (active), agency-regulated chemical release case having some limited potential to impact (encroach upon) the subject Site. This upgradient, low-concentration groundwater plume is considered a ***Controlled Recognized Environmental Condition*** **(CREC)**, since the contaminant source is from an off-site responsible party and the overseeing agency has no characterization or cleanup requirements for the subject Site.
2. Two long-term dry cleaners operated nearby including an upgradient property located across Lincoln Street operated as a dry cleaner for 27+ years (108 Lincoln Street) and to a lesser extent, a second, long term dry cleaner (26+ years of operation, and currently operating) located ~100-ft to the southwest of the subject Site (511 Cedar Street). These long-term dry cleaning businesses are considered a "red flag" operations because of their proximity and likely operational history that included the standard-of-care disposal of solvent laden wash water to sumps and drain lines. As a result, there exists an encroachment risk resulting from *undocumented* chemical release(s). These two cleaner sites are considered a ***Recognized Environmental Condition*** **(REC).** The primary concern is the *potential* for vapor encroachment into a building.

Phase II Sampling and Testing Program Conclusions: A Phase II sampling and testing program was implemented to evaluate subsurface Site conditions for *potential* contamination. The program included sample collection and State-certified-laboratory analysis of groundwater, soil vapor, and shallow soil samples:

1. Groundwater Results: Representative samples of first encountered groundwater beneath the subject Site contained only trace to low level detections of two common urban contaminants: 1) gasoline range total petroleum hydrocarbons and 2) the solvent compound 1,2-Dichloroethene (both cis-, and trans). All concentrations were detected well below established water quality and environmental screening thresholds. **These groundwater results indicate there has been no**

**significant release of mobile contaminants to the subsurface from on-site or upgradient sources (i.e., fuels, solvents).**

2. Soil Vapor Results: Aside from an apparent anomalous bias detection that the laboratory identified as a natural oil/extract compound (described above in Section 1.3.2), all soil vapor sample results were shown to contain relatively low-concentrations volatile concentrations. Specifically:

   - Fuel-Based Volatile Detections: Low level concentrations of the volatile fuel constituent benzene were detected in two of the nine soil vapor samples (SV-1 and SV-9), above unrestricted residential screening thresholds. It is notable that low level/trace concentrations of benzene and gasoline-range-TPH were detected across the Site. This, coupled with lack of fuel-based contaminant detections in groundwater, indicate that these very low vapor detections suggest that the contaminant source is insignificant and likely originates from near surface leaks from vehicles parked at this lot.

   - Solvent-Based Volatile Detections: Similarly, there were also widespread, low-level soil vapor concentrations of solvent-based volatile contaminants detected across the Site but not in groundwater. These low-level, soil gas concentrations indicate there has not been a significant chemical release at the site.

     Only two (2) of the nine (9) sample locations (SV-7 & SV-9) had concentrations exceeding residential (unrestricted) land use thresholds, but neither exceeded commercial land use screening thresholds). SV-7 & SV-9 are property line sample locations and the source of their relatively low-concentration solvent detections may originate as encroached soil gas from an unidentified off-site source, potentially the nearby drycleaner facility at 511 Cedar Street.

3. Soil Results: Phase II shallow soil samples were primarily tested to evaluate potential reuse of on-site soils during redevelopment earthworks as well as for landfill disposal profiling of surplus soils. The laboratory results showed that the bulk of the shallow soils collected from across the Site were impacted with elevated concentrations of Lead and Arsenic. Typical urban sources for these metal contaminants originate from Lead-based paint and weed and rodent control (i.e., arsenates).

   The majority of the elevated metal concentrations in soil are characterized as “non-hazardous” and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the Site exceeded residential (unrestricted) or commercial land use screening threshold limits and will need to be graded off and disposed of during development activities. Figure 5 presents a plan view of the Site showing color-coded depths of soil that would need to be removed to achieve residential (unrestricted) land use thresholds (i.e., impacted soils by depth).

A copy of this report should be submitted to the overseeing agency, the Santa Cruz County Environmental Health Services (SCC-EHS), for their review and comment. Future earthworks and soil handling will need to be managed under an agency-approved *Soil Management Plan* and SCC-EHS will likely require some additional soil vapor evaluation to confirm vapor intrusion is not a concern. Supplemental soil delineation testing will likely be needed to further define the limits of shallow soil contamination and to provide accepting landfills with required acceptance data.

**This concludes the *Executive Summary*.**

## 2.0 PURPOSE AND SCOPE

This report contains results of a *Phase I Environmental Site Assessment* (ESA) that has been conducted to identify environmental liabilities resulting from historic or existing environmental risks for the subject properties. Completed work tasks conformed to the recommended guidelines established by the American Society for Testing and Materials (ASTM). *Limitations and Exceptions of Assessment* are listed at the end of this report.

The purpose of this ESA is to provide a professional opinion regarding *recognized environmental conditions* at the Site, including potential impacts from known environmental problems in the surrounding area. The term "*recognized environmental conditions*", is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not *recognized environmental conditions*" (ASTM Standard E 1527-15). A short list of the essential *Phase I ESA* terminology is presented after the *Assessment Findings Summary* in the Table of Contents.

### 2.1 Defined Scope and Methodology

The scope of services completed for this *Phase I ESA*, included the following tasks:

- We reviewed historical maps, and aerial photographs, available geologic, topographic and groundwater data of the Site and vicinity (Sections 3.3 and 4 of this report).
- We completed a visual inspection of the Site, to check for indicators that might suggest a potential source of contamination such as current hazardous materials storage or use, unusually stained ground surfaces (soils, slabs), stressed vegetation, sumps/drains/tanks, and discarded hazardous material containers (Section 6 of this report). A copy of our *Site Inspection Checklist*, which includes Site photos, is included in Appendix A.
- We reviewed a *User Questionnaire* (Section 7.1, copy of completed questionnaire provided in Appendix A).
- We completed interviews with parties who have specialized knowledge about the subject Site (Section 7.2, interviewing documentation provided in Appendix A).
- We contracted with EDR, an information research firm specializing in environmental data collection, to conduct a regulatory list search of sites with underground fuel storage tanks (UST's), contaminated sites, hazardous waste generation or treatment-storage-and disposal facilities, and landfills located within ASTM survey radius. We evaluated the locations of all identified sites in relation to the Site (see Section 5.1, *Figure 4 – Surrounding Site Regulatory Review,* and Appendix C for EDR's Radius Report, which compiles and locates regulatory records from numerous local, state, and federal agencies).
- We reviewed reasonably ascertainable records of hazardous materials storage and documented releases from online, public right-to-know local and State regulatory databases and physical archives, such as the State of California GeoTracker and EnviroStor databases, and local

environmental health and/or building/planning department archives. Our review included a search for records pertaining to the subject Site and sites within the search distances established by ASTM E 1527-15 (see Section 5.1 through 5.4; Appendix D contains some referenced documents).

- We evaluated the collected information and prepared this summary report.

## 3.0 SITE SETTING & BACKGROUND

### 3.1 Site Description and Background

The subject property (the "Site") is a flat-lying, approximately 1.53-acre combined two parcel, property located in a predominantly commercial area of downtown Santa Cruz. The Site contains one wood framed concrete commercial structure (approximately 5,406 sq. ft.) and large city parking lot (approximately 59,764 sq. ft.) with limited landscaping (see clip, right). Specifications of the flat-lying subject Site include:

**The Site (boundary outlined in blue) is largely utilized as vehicle parking.**

- Santa Cruz County *Assessor's Parcel Numbers* (APNs): 005-141-21, -11
- According to Santa Cruz Assessor's Office the building was built in 1940.
- According to historical Sanborn maps the Site was developed with residential homes since at least 1886 and remained mostly unchanged until at least 1928.
- The majority of the Site has been utilized for vehicle parking since at least 1968.

The lands in the immediate vicinity of the Site (see Aerial Vicinity Map, Figure 2) contain mostly commercial operations, especially along Pacific Avenue. Residential land use is still present towards the west and southwest of the Site.

Historical land-use maps and records are discussed in Section 4 and the corresponding Sanborn Maps, historical aerial photographs and telephone directories are presented in Appendix B.

#### *3.1.1 Utilities, Wells, and Storage Tanks*

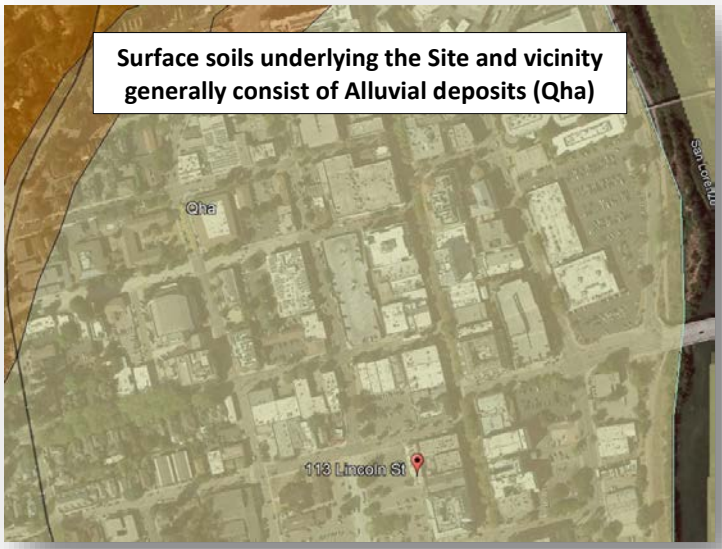
***Utilities:*** Electrical provided by PG&E.

***Wells/Sumps:*** No wells or sumps were identified. The 113 Lincoln building formerly contained a Spa which was removed sometime in 2010.

***Storage Tanks:*** No current or historical storage tanks were identified.

### 3.2 Local Geological and Hydrogeological Conditions

Regional geologic maps and reports indicate that surface soils underlying the Site and vicinity area generally consist of Alluvial deposits ('Qha', see Regional Geologic Map), which generally consist of unconsolidated, moderately sorted silt and sand, and can also contain large amounts of gravel.



**Surface soils underlying the Site and vicinity generally consist of Alluvial deposits (Qha)**

Based on review of nearby groundwater investigations, first encountered groundwater beneath the Site is assumed to be between 10-to-12 feet below ground surface and flows in a south-southeast direction.

## 4.0 HISTORICAL REVIEW

Historical maps, telephone directories, and aerial photographs can be a valuable resource for determining obvious past uses of the property. These records can provide evidence of notable land use changes to the property and potential clues of hazardous material storage (copies of these historical records are included in Appendix B). Land-use observations of these historical records are summarized below.

### 4.1 City Telephone Directories

*Historical City Telephone Directories* from 1960 through 2017 were available from a combination historical directory listing services. Copies of the reviewed listings are provided in Appendix B, under 'EDR City Directory'. This records review identified the occupants of the subject Site as follows (land-uses of potential concern are highlighted in boldface):

| **Target Property Occupants/Businesses** | | |
|---|---|---|
| ***Site Address*** | ***Year*** | ***Occupants*** |
| **113 Lincoln Street** *(subject Site)* | 2017 | Toadal Fitness |
| | 2014 | Toadal Fitness |
| | 2010 | Toadal Fitness |
| | 2005 | Toadal Fitness |
| | 2000 | Toadal Fitness |
| | 1995 | START Clinic |
| | 1992 | START Clinic |
| | 1987 | START Clinic health organization |
| | 1980 | Vacant |
| | 1975 | Western Auto Associate Store |
| | 1971 | Western Auto Associate Store |
| | 1964 | Western Auto Supply |
| | 1960 | Western Auto Supply |

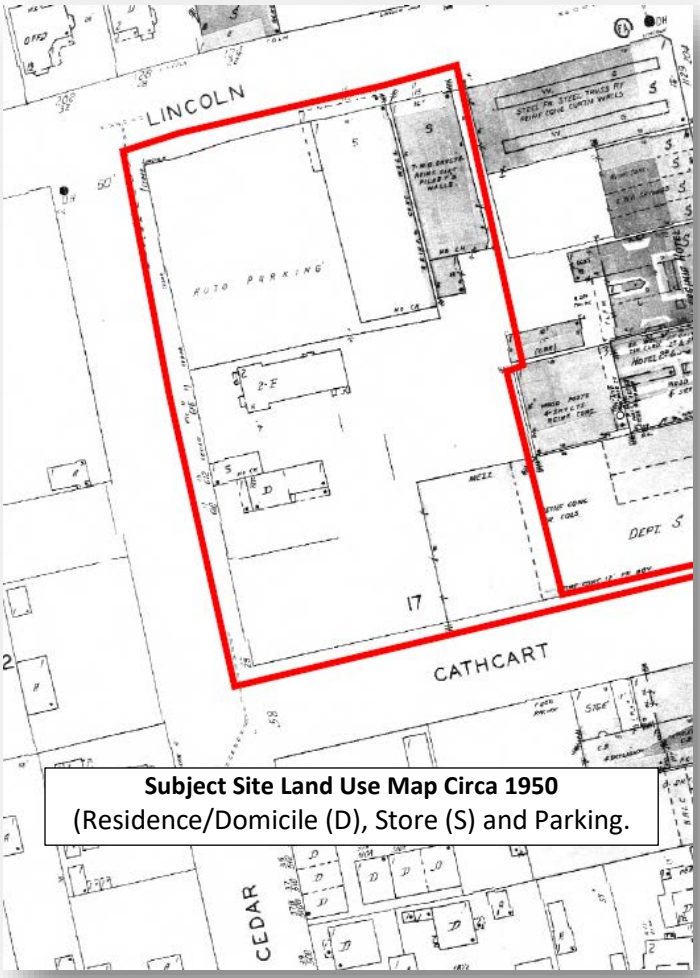
Vicinity Land-Uses: This record check listed the occupants of the adjoining/vicinity parcels as follows. Commercial/industrial land-uses that could be a potential source of concern are highlighted in **boldface**. Upgradient, side gradient and downgradient refer to the hydraulic position of the nearby property in relation to the subject Site.

| **Vicinity Property Occupants/Businesses** | | |
|---|---|---|
| ***Site Address*** | ***Year*** | ***Occupants*** |
| 108 Lincoln Street<br>*Up-gradient*<br>(100 ft ENE) | 2017 | No Listing |
| | 2014 | No Listing |
| | 2010 | No Listing |
| | 2005 | No Listing |
| | 2000 | No Listing |
| | 1995 | Listing Not Provided |
| | 1992 | Listing Not Provided |
| | 1987 | **Royal Cleaners** |
| | 1980 | **Royal Cleaners** |
| | 1975 | **Royal Cleaners** |
| | 1971 | **Royal Cleaners** |
| | 1964 | **Royal Cleaners** |
| | 1960 | **Royal Dry Cleaners** |
| 1128 Pacific Avenue<br>*Up-gradient*<br>(300 ft ENE) | 2017 | Bank of America ATM, World Market Bazaar |
| | 2014 | Jade |
| | 2010 | Jade |
| | 2005 | No Listing |
| | 2000 | Las Manos |
| | 1995 | No Listing |
| | 1992 | **Bank of America** |
| | 1987 | **Bank of America** |
| | 1980 | **Bank of America** |
| | 1975 | Christian Science Reading Room |
| | 1971 | Christian Science Reading Room |
| | 1964 | Harnish Music Co. |
| | 1960 | Graham Music Co. |

In summary, reverse phone directories show *on-site* historical land-use has been predominantly commercial since at least 1960. A nearby property at 108 Lincoln Street was occupied by a dry cleaner from at least 1960 to 1987. Land use in the greater vicinity has been largely commercial with limited residential.

## 4.2 Sanborn Fire Insurance Maps

Sanborn fire insurance maps provide detailed snapshots of historical land-use within generally urban locations where an insurance company provided coverage. The Sanborn Map database was reviewed, and coverage was available for the following years: 1886, 1888, 1892, 1905, 1928, 1950, and 1988 (see Appendix B for copies of the Sanborn historical land use maps).




**Subject Site Land Use Map Circa 1950**
(Residence/Domicile (D), Store (S) and Parking.

| Year | ***On-Site*** **Sanborn map Observations** | ***Off-Site*** **Sanborn Map Observations** |
|---|---|---|
| **1886** | Subject Site appears mostly developed with four residential dwellings along the northern portion on Lincoln Street and one dwelling and large shed on the southern half. Each dwelling has an associated outhouse. | The surrounding area to be mostly dwellings to the north, south, and west. Combination of commercial businesses and residential dwellings adjoin to the east. |
| **1888** | Site appears much the same as the previous image. | The surrounding area appears much the same as the previous image. |
| **1892** | The Site appears much unchanged from the previous images. | The surround area appears much the same, only business types appear to change. |

| Year | ***On-Site*** **Sanborn map Observations** | ***Off-Site*** **Sanborn Map Observations** |
|---|---|---|
| **1905** | Subject Site appears slightly changed, all five dwellings remain unchanged however a few stables/garages have been added. | The surrounding area remains mostly the same mix of residential and commercial. The residential dwellings adjoining to the east have been removed. Commercial business types continue to change. |
| **1928** | Subject Site appears to be mostly unchanged. The stables are now labeled as garage units. | The surrounding area continues to develop. Residential homes are slowly being converted to commercial land use. Adjoining operations to the east is completely developed with commercial stores and hotels. The church is no present to the west. |
| **1950** | Subject Site has undergone some significant change. The dwellings along the north have been replaced with two commercial stores adjoined by a parking lot. One dwelling/store combo unit along the west adjoined by a two-floor building. The southern portion of the Site only contains a portion of the eastern adjoining department store. | The surrounding area continues to develop, mostly along Pacific Avenue. Some dwellings still present to the northwest, west, and southwest. Adjoining land use to the east is made up completely of commercial store units. |
| **1988** | Subject Site has undergone further change. The Site currently only contains the 113 Lincoln Street building, large parking lot, and the tail end of the eastern adjoining department store. | The surrounding area continues to develop with residential units converting to commercial stores and offices. |

## 4.3 Aerial Photographs

Twelve (12) historical aerial photographs ranging from 1931 through 2016 were obtained from EDR's collection. These aerial photographs provide snapshots of historical land-usage over the last 80 years. Copies of these same aerial photos are provided in Appendix B, which show more detail on the surrounding area than can be described in the summary descriptions below. The aerial photographs generally have approximate scales of 1 inch = 500 feet. The following table summarizes land-use observations from the available aerial photographs.

| Year | ***On-Site*** **Aerial Photo Observations** | ***Off-Site*** **Aerial Photo Observations** |
|---|---|---|
| **1931** | The Site appears to be developed with residential dwellings, outhouses, and garage units resembling the 1928 Sanborn image. Also contains open natural areas with trees and other vegetation. | The vicinity area appears to be densely developed with commercial land use. Some residential units appear to be along the west. |

| Year | ***On-Site*** **Aerial Photo Observations** | ***Off-Site*** **Aerial Photo Observations** |
|---|---|---|
| **1940** | The Site appears mostly unchanged, however poor image quality makes it difficult to discern detail. | The surrounding area appears mostly unchanged, however poor image quality makes it difficult to discern detail. |
| **1948** | The Site appears as if it has undergone some significant change. Appears to resemble the 1950 Sanborn image. Two commercial structures and parking lot along the north. Parking lot, dwelling, two story building, and portion of eastern adjoining department store along the bottom half of the Site. | The surrounding area continues to develop with more commercial structures. |
| **1956** | The Site appears to be mostly unchanged from the previous image. | The surrounding area appears mostly unchanged. |
| **1968** | The Site has undergone some change, the last dwelling has been removed. The Site now only contains the two commercial structures along the north, and the portion of the eastern adjoining department store. The remainder of the Site appears to be a parking lot. | The surrounding area continues to develop with more residential units converting to commercial land use. The church and its large parking lot are now present across Cedar Street to the west. |
| **1974** | The Site has undergone minor change. Now only the 113 Lincoln Street building remains in the north, the remainder of the Site is a parking lot and still contains the tail end of the eastern adjoining department store along the south. | The surrounding area continues to develop with more commercial land use. |
| **1982** | The Site appears to be unchanged from the previous image. | The surrounding area continues to develop with less and less residential units visible. |
| **1993** | Site appears mostly unchanged, difficult to make out if the department store that extended on to the Site along the south is still there or demolished. | The surrounding area continues to develop. |
| **2005 to 2016** | Site appears as it does in its present-day state. | The surrounding area appears mostly the same. |

Historical Sanborn maps and aerial photographs show that the Site had been developed since at least 1886 with residential dwellings, outhouses, and stable/garage units. Site remained mostly unchanged until sometime between 1940 and 1948 when the dwellings were mostly removed and replaced with two commercial structures and two parking lots. By 1968 the majority of the Site was made up of vehicle parking, and only two commercial structures were present along the north. By 1974 only one commercial structure remained along the north (113 Lincoln Street), with mostly the remainder of the Site made up as a vehicle parking lot.

Adjoining and vicinity land-use was predominantly residential with the exception of Pacific Avenue. Starting in the late 1940s residential land use was slowly replaced with commercial.

### 4.4 Topographic Maps

Historical topographic maps, which include the subject property and surrounding sites, were obtained, and reviewed (see Appendix B). There is no evidence from these topographic maps of significant geophysical or hydrogeological changes at the Site or surrounding area that would indicate the potential for negative impacts to Site soil or groundwater conditions.

### 4.5 Summary of Historical Review

Historical Sanborn maps and aerial photographs show that the Site had been developed since at least 1886 with residential dwellings, outhouses, and stable/garage units. Site remained mostly unchanged until sometime between 1940 and 1948 when the dwellings were mostly removed and replaced with two commercial structures and two parking lots. By 1968 the majority of the Site was made up of vehicle parking, and only two commercial structures were present along the north. By 1974 only one commercial structure remained along the north (113 Lincoln Street), with mostly the remainder of the Site made up as a vehicle parking lot.

Adjoining and vicinity land-use was predominantly residential with the exception of Pacific Avenue. Starting in the late 1940s residential land use was slowly replaced with commercial.

## 5.0 REGULATORY AGENCY INFORMATION

### 5.1 Database Search of Federal and State Environmental Records

Records of hazardous material, petroleum products and waste storage, as well as unauthorized releases of said materials into the environment, are required by law to be maintained by regulatory agencies overseeing these environmental conditions. An information research firm specializing in environmental data collection, *Environmental Data Resources (EDR)*, generated a Radius Map Report for the Site (included in Appendix C). The Radius Map Report identifies sites listed in the selected regulatory databases, presents location maps and details on identified sites, provides a description of the Federal and State agency data reviewed, and limitations to the search. The search specifically documents sites having registered underground fuel storage tanks (UST's), hazardous waste generation, hazardous waste treatment-storage-disposal, and subsurface contamination. Search distances are per ASTM's E-1527 13 standard (see Appendix C for a list of all sites and full descriptions of all regulatory databases). The database search identified the following information for the target property and surrounding sites.

***MAP FINDINGS SUMMARY***

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| ***Lists of Federal NPL (Superfund) sites*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal Delisted NPL sites*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal sites subject to CERCLA removals and CERCLA orders*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal CERCLA sites with NFRAP*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Lists of Federal RCRA facilities undergoing Corrective Action*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal RCRA TSD facilities*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal RCRA generators*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 2 | 1 | NR | NR | NR | 3 |
| RCRA-SQG | 0.250 | | 3 | 6 | NR | NR | NR | 9 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Lists of state- and tribal (Superfund) equivalent sites*** | | | | | | | | |
| RESPONSE | 1.000 | | 1 | 0 | 2 | 0 | NR | 3 |
| ***Lists of state- and tribal hazardous waste facilities*** | | | | | | | | |
| ENVIROSTOR | 1.000 | | 1 | 1 | 6 | 6 | NR | 14 |
| ***Lists of state and tribal landfills and solid waste disposal facilities*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of state and tribal leaking storage tanks*** | | | | | | | | |
| LUST | 0.500 | | 5 | 9 | 23 | NR | NR | 37 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 3 | 6 | 4 | NR | NR | 13 |
| ***Lists of state and tribal registered storage tanks*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 2 | 0 | NR | NR | NR | 2 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Lists of state and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Lists of state and tribal brownfield sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ADDITIONAL ENVIRONMENTAL RECORDS | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | TP | | NR | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 2 | 0 | NR | 2 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 3 | 6 | NR | NR | NR | 9 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| AQUEOUS FOAM | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| SWEEPS UST | 0.250 | | 3 | 4 | NR | NR | NR | 7 |
| HIST UST | 0.250 | | 1 | 3 | NR | NR | NR | 4 |
| CERS TANKS | 0.250 | | 1 | 0 | NR | NR | NR | 1 |

*NR = Not reviewed, as per the search distances established in ASTM 1527-15. This table was excerpted from the EDR Radius Report, provided in Appendix C. A full list of the databases reviewed is provided on page GR-1 of EDR's report. EDR updates many of these listings on a quarterly or semi-annual basis.*

### *5.1.1 Subject Property*

113 Lincoln Street ("*Target property" in EDR Radius Report*) ***was not listed*** in any of the regulatory databases.

### *5.1.2 Surrounding Sites*

Our review of the EDR Radius Report revealed the following notable business operations / properties in the Site vicinity that have notable records of hazardous materials and/or petroleum hydrocarbon releases, waste generators and other notable regulated activities.

- Federal Chemical/Fuel Release Sites: The records search **did not identify any sites** located within a 1-mile radius from the subject Site that was listed on the USEPA National Priority List (NPL) or Superfund.
- State Chemical/Fuel Release Sites: The records search **identified seventeen (17) sites located within a ¼-mile radius** of the Site as having a record of a petroleum or other chemical impact to soil or groundwater [i.e., Leaking Underground Storage Tanks (LUST), Cortese, Spills Leaks Investigations and Cleanup (SLIC), Comprehensive Environmental Response, Compensation, and Liability

Information System (CERCLIS) and Voluntary Cleanup Priority Listing (VCP)]. **Six (6) of these sites are located within ⅛-mile radius** from the subject Site, while the remainder are situated between ⅛- and ¼-mile radius from the subject Site. See *Figure 5* for relative locations of these completed release investigations.

- One (1) release case has obtained case closure from the applicable regulatory agency and is upgradient of the Site.
- Three (3) of the release sites have obtained case closure from the applicable regulatory agency and are downgradient of the Site.
- Two (2) of the release cases are open and downgradient of the Site.

Brief descriptions of these cases are presented in the table below.

| Facility / Location/ Database Source(s) | Details |
|---|---|
| Former Bank of America<br><br>1128 Pacific Avenue<br>(202 ft ENE)<br>**Down-gradient**<br><br>Databases Listed:<br>LUST, UST,CERS | **Leaking Underground Storage Tank (LUST): Closed**<br>Bank of America identified soil and groundwater in northwest portion of the property was impacted by hydrocarbons. It was assumed that the former Richfield service station which occupied the property until 1962 was the source. TPH-Gas at 1,300 ppm, TPH-Diesel at 3,300 ppm, and oil and grease at 44,000 ppm were identified in SOIL. TPH impacted soil was excavated and removed. Four quarters of groundwater monitoring was conducted. Only two of the four wells ever contained any detectable concentrations of hydrocarbons, with the highest concentrations detected being TPH-H at 10 ppm and TPH-D at 3.2 ppm and TPH-Mo at 2.3 ppm. Waterboard provided closure in 1995. Link: GeoTracker (ca.gov) |
| Pacific Union Apartments<br><br>1018 Pacific Avenue<br>(163 ft ESE)<br>**Down-gradient**<br><br>Databases Listed:<br>LUST | **Leaking Underground Storage Tank (LUST): Closed**<br>The site contained one oil (150 gallons) and one waste oil (150 gallons) tanks. Significant remedial work tasks were completed in 2002 and 2003 in conjunction with ongoing site development tasks including UST removal, injection of oxygen-enhancing compound, soil excavation, and extraction/disposal of contaminated groundwater. A groundwater monitoring program was implemented until the site achieved case closure in Fall 2012. Residual soil contamination still exists off-site near the sidewalk and near public utilities beneath Cathcart Street that could pose an unacceptable risk to utility workers in the area in the future. Link: GeoTracker (ca.gov) |
| Greyhound Station<br><br>425 Front Street<br>(371-ft ESE)<br>**Down-gradient**<br><br>Databases Listed:<br>CPS-SLIC, RCRA-LQG, DEED, ENVIROSTAR | **CPS-SLIC: CLEANUP PROGRAM SITE-: OPEN VERIFICATION MONITORING**<br>Metals, petroleum hydrocarbons, and polycyclic aromatic hydrocarbons are present in soil at concentrations exceeding residential and commercial/industrial health-based screening criteria. The site is overseen by Department of Toxic Substances Control for ongoing activities, which include the maintenance of a surface cap which covers impacted soils. The site is currently paved with asphalt and is used as a parking lot for buses. Link: GeoTracker (ca.gov) |

| Facility / Location/ Database Source(s) | Details |
|---|---|
| Santa Cruz Metro Station<br><br>920 Pacific Avenue<br>(410-ft SE)<br>**Down-gradient**<br><br>Databases Listed:<br>CPS-SLIC, CERS, RCRA Nongen | **CPS-SLIC: CLEANUP PROGRAM SITE-: OPEN SITE ASSESSMENT**<br>Total petroleum hydrocarbons as diesel and motor oil, polynuclear aromatic hydrocarbons, and metals in soil were all detected above regulatory screening concentrations. A Phase I/II ESA was completed at the METRO station to investigate the presence of contaminants in soil, soil vapor, and groundwater. The consultant recommended development of a delineation work plan, a human health risk assessment, and remediation strategies. A workplan for additional investigation is underway. Link: GeoTracker (ca.gov) |
| Front Street Garage<br><br>601 Front Street<br>(531-ft NE)<br>**Down-gradient**<br><br>Databases Listed:<br>LUST, CERS | **Leaking Underground Storage Tank (LUST): Closed**<br>Site is currently a city parking structure. Subsurface petroleum contamination was discovered in 1997. Two USTs were provided closure in 1999. Extensive groundwater monitoring was conducted from 1999 to 2005 when it was provided closure. Groundwater contamination was comingled with the southern end of the San Lorenzo Park Plaza plume. Link: GeoTracker (ca.gov) |
| Pacific Bell<br><br>709 Center Street<br>(588-ft NW)<br>**Up-gradient**<br><br>Databases Listed:<br>LUST, RCRA-LQG, CERS, UST | **Leaking Underground Storage Tank (LUST): Closed**<br>Former Pacific Bell building. During removal of 8,000-gallon single wall UST in June of 1992, TPH-Diesel at 40 ppm was detected near fil end of tank. During excavation a detection TPH-Diesel at 12,000 ppm was detected north of the tank. Approximately 240 cu yards of petroleum impacted soil was removed. Follow up groundwater monitoring was conducted, two rounds of sampling from four wells. Only one well contained TPH-D at max concentration of 310 ppb. No other constituents of concern were identified. DTW ranged from 8 to 9 ft bgs, and reportedly flowed in a southwest direction. Case received closure from county in 1993, and waterboard in 1995. Link: GeoTracker (ca.gov) |

- Underground Storage Tanks (USTs): The database search of generally historical regulatory records **identified nineteen (19) sites** located within a ¼-mile radius having a current or historical record of permitted UST's (UST, HIST UST, SWEEPS UST, Cal FID UST and/or Indian UST). A lot of these records overlap the same site.
- Hazardous Waste: The records search **identified forty-four (44) sites** located within a ¼-mile radius as having records showing generation and proper disposal of hazardous waste, typically a waste oil or oily waste (RCRA-SQG, RCRA-LQG, RCRA-NonGen, FINDS, Notify 65, EDR Proprietary Records).
- Dry Cleaners: The records **identified (2) sites** operating as dry cleaners within ¼-mile radius. The identified two sites are:
    - **108 Lincoln Avenue (Royal Cleaners)** -city directory listings indicate this site was present since at least 1960 to 1987, which was peak period of drycleaners utilizing the chemical solvent, tetrachlorethylene (PCE), as a primary cleaning agent. No records were on file for review with SCC-EHS regarding this historical drycleaner.

- **511 Cedar Street (Pacific Dry Cleaners)** -A 1997 HMMP record on file with SCC-EHS documents the storage and use of tetrachloroethylene (PCE), with a maximum storage capacity of 100 gallons at any given time. Records suggested that operations remained unchanged until 2010 when ownership changed, and the use of PCE was replaced with a hydrocarbon-based chemical (Aliphatic Hydrocarbon – DF 2000). Inspection records available for review didn't show any violations of concern for this drycleaner site.

- Orphan Sites: The EDR report lists **three (3)** unmapped sites ("***orphans***") obtained from the list of databases, for which EDR was not able to determine an exact location. Upon further review, these listings do not pertain to conditions of concern on properties that are hydraulically upgradient or adjoining to the subject Site.

**Combined *Regulated Hazardous Sites - ¼-Mile Radius Map* (Figure 8):** A comprehensive radius map documenting nearby release sites, hazardous materials and waste management sites, UST/AST storage and other significant regulated environmental conditions, is presented on Figure 4.

### 5.2 Geotracker / EnviroStor File Review

Records of hazardous materials storage and releases can also be found in state regulatory agency databases, such as the California *State Water Resources Control Board* Geotracker® database and *Department of Toxic Substances Control* EnviroStor® database. A review was conducted for records on the subject Site, vicinity properties, and additional sites identified in the Federal and State environmental database review detailed in Section 5.1.

- Our review of the California State GeoTracker database, conducted in February 2022, did not reveal any additional sites within a ¼-mile radius of the subject Site as having a record of a release of contamination to soil or groundwater (see Figure 8 – 'Surrounding Site Regulatory Review').

### 5.3 Local Oversight Agency File Reviews

***Subject Site Records***: Records regarding the Site were searched via the Santa Cruz County Environmental Health online database.

113 Lincoln Ave (Site): Records on file for the 113 Lincoln Street property pertained to permits and inspection reports for the on Site "Spa". The Spa was removed in November 2010. No violations of concern were identified (see Appendix D for records).

511 Cedar Street (Pacific Dry Cleaners): Records on file for this dry-cleaning operation spanned from 1997 to 2017. Records pertained to both inspections and permitting for the bulk storage and use of dry-cleaning chemicals. Records indicated that the facility utilized Tetrachlorethylene (PCE) based solvent from at least 1997 to 2005, with a max daily amount of 100 gallons at any given time. Operations changed in approximately 2005 when the PCE based solvent was replaced by a hydrocarbon-based alternative (DF-2000 Fluid). Reviewed inspection records did not reveal any violation of concern.

### 5.4 Vapor Encroachment Conditions (VEC) Review

In accordance with current standards for assessing vapor encroachment (ASTM E2600-10), we evaluated the Site and its vicinity for vapor encroachment conditions, or conditions that may indicate that sources and pathways for hazardous volatized chemicals to enter current or future on-site buildings that are present at the Site and/or Site vicinity. ASTM E 2600-10 defines the following minimum search distances for the *Area of Concern* for vapor encroachment:

- **1/3-mile** for known or suspected volatile/semi-volatile chemical contaminated sites (e.g., a dry cleaners site with a PCE release)

  We reviewed the nearby *solvent / volatile organic compound (VOC) release sites* discussed in Section 5.1-5.3 and assessed them for vapor encroachment potential (copy included in Appendix C). We **identified five** (5) nearby solvent / volatile organic compound (solvent) release sites located within a 1/3-mile radius of the subject Site. Three of these cases are downgradient and do not have potential for encroachment. Two of these cases are upgradient of the Site, however after review of subsurface data collected from these properties, it does not appear they have potential to encroach beneath the Site. Here is a brief summary of these two upgradient solvent release properties:

  - 1010 Center Street (1,290 ft NNW) – Former Auto Repair & Paint Shop– This property operated as an automotive repair and body shop from at least 1950 to 1971 and was equipped with concrete sump. In 2011 the sump was closed in place and a single downgradient boring contained concentrations of TCE at 170 ug/L in groundwater**.** The property is currently an open case under oversight of CCRWQCB. A recent Phase II assessment was conducted by Partner in September 2021 documenting soil, soil vapor, and groundwater beneath the Site. Five borings were conducted within the building and both upgradient and downgradient locations. Groundwater results showed elevated concentrations of TCE in the two borings west of the former sump at 54 and 16 ug/L. Soil vapor results showed detections of PCE and TCE in all five vapor samples with the highest concentrations found west of the former sump location. Detected PCE concentrations ranged from 3.2 to 460 ug/m$^3$, and TCE concentrations ranged from 5.4 ug/m$^3$ to 560 ug/m$^3$ (see Appendix D for details). Results indicate that the release is limited to the extent of the building and potentially only nearby offsite locations along the west and south of the property. Based on the provided data, **it does not appear that this release has potential to impact the Subject Site**. Link: GeoTracker (ca.gov)

  - 600 Front Street (750 ft NE) – Former Kedrick's Laundry – This location is currently a CVS Pharmacy, however formerly contained a dry cleaner from 1928 to 1960 when all buildings were removed to develop the present-day River Walk Plaza. This property is approximately 200 ft west of the San Lorenzo River, which flows south towards the Monterey Bay. This property is currently an open case with both SCC-EHS and CCRWQCB, with plans for continual soil vapor monitoring. A few investigations have already been conducted on Site, documenting both hydrocarbon and solvent based chemicals (PCE) in soil, soil vapor, and groundwater. In 2017 a Site Conceptual Model was conducted by Schutze & Associates documenting previous findings, potential sources, and subsurface conditions (see Appendix

D for details). The extend of contamination in soil vapor and groundwater appear limited to the property bounds with some potential for encroaching towards the south, and southeast in the direction of the San Lorenzo River. **It does not appear that this release has the potential to impact the Subject Site**. Link: GeoTracker (ca.gov)

- 207 Church Street (700 ft NNW) – Former Santa Cruz Sentinel – This location underwent a number of investigations after discovering a solvent (TCE) based groundwater plume beneath the property during a property transaction screening in 2009. Annual groundwater monitoring conducted at the property documented concentrations of TCE as high as 24 ug/L. Groundwater data from 2009 to 2012 documents concentrations of TCE and its breakdown daughter products that exceeded drinking water thresholds spanned from Union Street to just north of Walnut Avenue. There is no data south of Walnut Avenue which is only one block north of the Subject Site. Concentrations in groundwater collected in 2010, on the north side of Walnut Avenue, contained elevated concentrations of cis-1,2-DCE at 38 ug/L and Vinyl Chloride 1.1 ug/L which exceeds drinking water thresholds. Ultimately, the case was closed in 2013 based on results of extensive sampling suggesting the source of the plume appeared to originate from an upgradient property, and soil vapor intrusion into on site buildings was not a threat. There is some limited potential of encroachment from this well documented, relatively low-level groundwater plume and is considered a **Controlled Recognized Condition (CREC).** Link: GeoTracker (ca.gov)

- **1/10-mile** for known or suspected petroleum hydrocarbon contaminated sites (e.g., a gasoline release from a fueling station)
  - We reviewed the nearby *petroleum hydrocarbon release sites* discussed in Section 5.1 for vapor encroachment potential. We **did not identify any** site within a 1/10-mile radius of the subject Site as having a documented VOC-containing plume with potential of encroachment.

**We did not identify any sites within the applicable search distances as having the potential to pose the risk of vapor encroachment on the subject Site.**

### 5.5 Summary of Regulatory Review

In summary, our review of regulatory databases and local/State agency record repositories revealed there are a few chemical release sites in the general vicinity of the Site; however we did not identify any documented sites with the potential to impact the Site. While no documented Sites were identified with potential of impacting the Site, there were at least two historical dry cleaner sites identified within close proximity of the Site.

## 6.0 USER QUESTIONNAIRE & INTERVIEWS

### 6.1 User Questionnaire

A *User Questionnaire* was completed by Brian Borguno, Development Manager with City of Santa Cruz – Economic Development Department (the User), signed on February 8, 2022.

| User Questionnaire Summary | |
|---|---|
| Reason for Performing ESA? | Other: Parcels are identified for redevelopment project |
| Environmental Liens? | No. |
| Land-Use Limitations? | No. |
| Any Specialized Knowledge of the Subject Site or Adjoining Properties? | Current use of Site is City Parking Lot and Commercial building. |
| Discounted Price Relative to Fair Market Value? | No. |
| Current or Historical Chemical/Hazardous Materials Usage? | No |
| Environmental Clean Ups | No |

The User indicated that the *Phase I ESA* is being completed as requirements for redevelopment project.

### 6.2 Additional User Provided Documentation

The User did not provide any additional information pertaining to hazardous materials and environmental conditions at the Site.

### 6.3 Summary of Questionnaire/Interview Review

The *User Questionnaire* and *interviews* are intended to identify previous or current land-uses that may indicate environmental impacts or provide further details regarding previously identified environmental impacts and regulatory release investigation cases. Our interview with Brian Borguno did not reveal any additional items of concern pertaining to the Subject Site. Copies of interviewing documentation are included in Appendix A.

## 7.0 SITE INSPECTION

### 7.1 Overview

A Site inspection was conducted on February 9, 2022, to note potential sources of contamination associated with on-site activities. A copy of the completed *Site Inspection Checklist*, which contains detailed documentation of the Site survey including a photographic record of the inspection, is presented in Appendix A.

| Site Inspection Observations | |
|---|---|
| **Subject Property Observations:** | |
| Current Use of Property: Site is largely encapsulated by an asphalt parking lot and single commercial concrete building. The commercial building is occupied by a fitness gym company. The building contains a couple floor drains in the shower/locker room area for both the men and women. Majority of building space is occupied by fitness equipment. No bulk chemical storage. Site appeared to be relatively well maintained. The remainder of the Site is largely an asphalt parking lot used for city public parking. Limited landscaping areas. Some mild staining and patching was observed in areas across the parking lot. | |
| Potable Water Source | City of Santa Cruz |
| Interior Drains? Where to? | Locker room areas for men and women have a drain for both showers and bathroom area. |
| Sewage Disposal Source | City of Santa Cruz |
| Pools of Liquid / Odors? | No pools or odors were observed. |
| Hydraulic equipment? | None observed. |
| Storage tanks? | None observed. |
| **Subject Property Exterior Observations:** | |
| Pits, Ponds, Lagoons? | None observed. |
| Stained soil or pavement? | Mild staining observed across parking lot. |
| Storm water discharge? | Stormwater inlets along the street perimeter. |
| Wells or Water Towers? | None observed. |
| Sumps? | None observed. |
| Electrical Infrastructure? | Mostly buried utilities including electrical, in ground transformers. |
| Hazardous Materials or Petroleum Products? | None observed. |
| **Neighborhood Observations:** | |
| Topography of property and vicinity | Mostly flat. |
| Current uses of adjoining properties | **West:** Church / Parking Lot / Cedar Street<br>**South:** Commercial / Cathcart Street<br>**East:** Commercial<br>**North:** Commercial / Parking Lot / Lincoln Street |

### 7.2 Summary of Site Inspection

The Site inspection showed that the subject Site is mostly encapsulated by an asphalt city parking lot and concrete commercial structure (slab on grade). Commercial structure is occupied by a gym. No recognized environmental conditions were identified based on the inspection of the Site.

## 8.0 PHASE II SAMPLING INVESTIGATION

Weber, Hayes and Associates was retained to design and implement a Phase II assessment of soil, soil vapor, and groundwater to evaluate the subject property for *potential* contamination based on the identified Recognized Environmental Conditions (RECs) identified during the Phase I portion of this assessment. Phase I research identified two items of concern which included a documented upgradient VOC plume (containing TCE and associated daughter products) and an over 27 year history of two dry cleaner facilities operating in close proximity of the Site.

### 8.1 Fieldwork

On May 5 and 6, 2022 under the supervision of Weber, Hayes and Associates field personnel, Trinity Drilling (C-57 License #1010926) advanced nine (9) temporary shallow soil vapor wells (5 feet bgs), nine (9) shallow (i.e., 4 feet bgs) soil borings, and five (5) Hydropunch groundwater borings across the subject Site (see Figure 5). Drilling and sampling procedures followed our *Field Methodology for Direct Push Sampling*, which is included in Appendix E. Soil cores from direct push boring locations were logged by an experienced environmental geologist and examined for any evidence of contamination (i.e., odor, discoloration, or detections of VOCs via a hand-held photoionization meter).

Field observations, photo sheets, and field methodology for sample collection are documented in Appendix E.

### 8.2 Soil Sampling

Soil sampling was conducted by Weber, Hayes and Associates field staff in accordance with our *Field Methodology for Shallow Soil Sampling and Hydraulic Driven Probe Sampling* (see Appendix E).

Soil cores were obtained from eighteen (18), shallow soil borings for the initial laboratory analysis of eighteen (18) composite samples. Soil samples were collected from 0.5 ft, 1.5 ft, and 3 ft from each core and composited at the laboratory. The initial 0.5-ft and 1.5-ft samples were tested, with the deeper samples put on laboratory hold pending analysis of the shallow samples.

All soil samples were analyzed for the standard landfill acceptance suites of CAM-17 Metals, and Total Petroleum Hydrocarbons.

All boring locations were properly sealed with neat cement grout following sample collection in accordance with state and local standards. Soil cuttings were containerized in a 55-gallon drum. We are currently arranging the proper disposal of investigative waste generated during this drilling program.

**Results of Soil Sampling** (Table 1): State-certified laboratory results were compared with regulatory-established, *Environmental Screening Levels* (ESL's), which are designed to provide initial (Tier 1) evaluation on whether a detected contaminant concentration poses an unacceptable risk to human

health and safety, or the environment. Screening concentration limits for individual contaminant compound are established in look-up tables and are based on the potential land use (e.g., residential, commercial or construction worker) and receptor being protected (i.e., human heath, groundwater (leaching), ecological protection, and/or nuisance). All laboratory analytical results have been compared against screening limits established for: human health risk for both unrestricted residential and commercial land use.

See summary tables for individual agency limits and associated compound exceedances. The State-Certified laboratory reports are included as Appendix F and the results are described below. The State-Certified laboratory results revealed the following:

- **<u>Total Petroleum Hydrocarbons</u>** (0 to 0.5 ft): Trace to low level detections of TPH as gasoline and diesel were detected across the Site all below unrestricted residential and commercial screening thresholds. A few locations contained a bit higher concentrations of TPH as motor oil ranging from 21 to 1,445 mg/kg, however all detections were below both unrestricted residential and commercial screening thresholds.
- **<u>Shallow Arsenic</u>** (0 to 0.5 ft): All detected Arsenic concentrations which exceeded 9 mg/kg were flagged as 'elevated' (above the established naturally occurring background concentration for Santa Cruz). Elevated Arsenic concentrations were detected in six (6) of the nine (9) composite sample locations at 0.5 feet bgs (SS-1, SS-2, SS-4, SS-5, SS-6, and SS-9). Elevated concentrations were relatively high and ranged from 27.9 to 282 mg/kg. Subsequent discrete analysis of each of the six (6) two-point composite samples at 0.5 ft which contained elevated concentrations of Arsenic also contained elevated concentrations of Arsenic in both discrete sample components (i.e., SS-1A and SS-1B).
- **<u>Deeper Arsenic</u>** (1.5 to 3 ft): Three (3) composite sample locations (SS-4, SS-5 and SS-9) contained elevated detections of Arsenic at 1.5 feet bgs. Of those three (3) only one (1) composite sample (SS-5) contained elevated Arsenic at 3 feet bgs.

- **Shallow Lead** (0 to 0.5 ft)**:** Two (2) composite sample locations (SS-2 and SS-3) contained elevated concentrations of Lead at 0.5 feet bgs. Specifically**, SS-2 at 0.5 ft** contained a concentration of Lead at **117 mg/kg** which is above the unrestricted residential land use threshold established at **80 mg/kg**, and **SS-3 at 0.5 ft** contained a concentration of Lead at **568 mg/kg** which is above the commercial screening threshold established at **320 mg/kg**.

  Discrete samples (SS-2A/SS-2B and SS-3A/SS-3B at 0.5 ft), analyzed for Lead, showed elevated detections in three of the four discrete samples (see Table 1 for details).

- **Deeper Lead** (1.5 to 3 ft)**:** Five (5) of the nine (9) composite sample locations contained elevated Lead concentrations at 1.5 ft bgs, with only one location (SS-5) containing elevated Lead at 3 ft bgs. Specifically, **SS-2** thru **SS-6** at **1.5 ft bgs** all contained elevated concentration of Lead ranging from **80.3** to **226 mg/kg**, all of which exceed the unrestricted residential screening threshold (80 mg/kg), but below the commercial screening threshold (320 mg/kg).

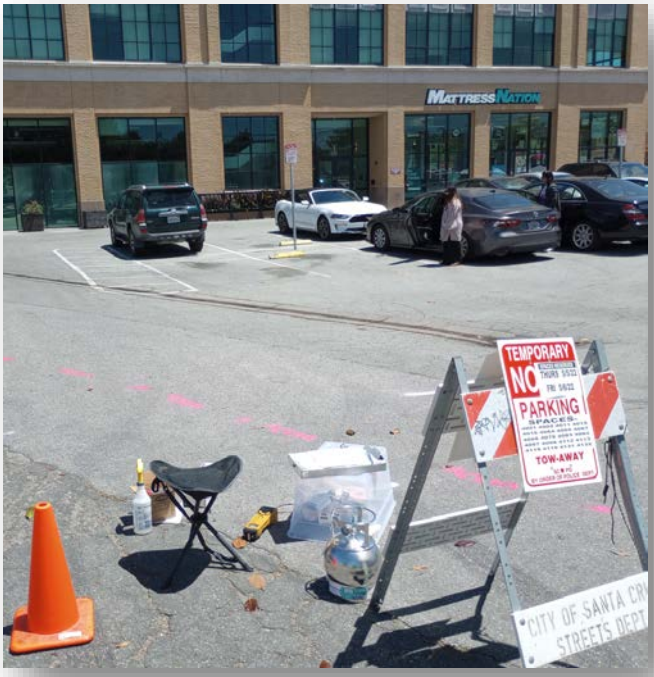
  Discrete samples from each composite samples (SS-2 thru SS-6 at 1.5 ft), analyzed for Lead, showed elevated concentrations at seven of the ten discrete samples (see Table 1 for details).

- **Barium:** One location (SS-2) contained elevated levels of barium at 0.5 ft bgs above the established construction worker health and safety threshold, however below both unrestricted residential and commercial screening thresholds.

- **All Other Metals:** There were no unrestricted residential or commercial ESL exceedances detected.

### 8.3 Soil Vapor Sampling

Nine (9) shallow temporary soil vapor probes were installed on May 5, 2022, and subsequently sampled by Weber, Hayes and Associates field staff in accordance with our *Field Methodology for Active Soil Gas Sampling* (see Appendix A). All soil vapor probes were installed at 5 feet bgs, and at least 2 hours of sample point equilibration time was allowed following probe construction, prior to sample collection (see geologic logs and construction diagrams in Appendix E). Soil vapor probes were properly destroyed following sampling by completely removing the sample tubing from the subsurface and sealing the surface.




Analysis of the soil vapor samples was conducted for Volatile Organic Compounds (VOCs) by EPA Method TO-15. The State-certified laboratory reports are included as Appendix F.

Field documentation, photo sheets, geologic logs, and field methodology for sample collection are documented in Appendix E. See Figure 5 for sample locations.

- **Results of Shallow Soil Vapor Sampling** (Table 2): State-Certified laboratory results for *shallow* soil vapor testing collected at 5 ft bgs detected concentrations of both fuel and chlorinated solvent-based constituent compounds. All detections were below established commercial screening thresholds. Three (3) of the nine (9) samples contained concentrations which exceeded residential screening thresholds. Specifically,
    - **Benzene:** Both **SV-1** & **SV-9** contained benzene concentrations at **4.1 µg/m$^3$** and **4.8 µg/m$^3$** respectively, which slightly exceeds the agency threshold established at **3.2 µg/m$^3$** *(unrestricted residential land use).*
    - **Tetrachloroethene (PCE):** Eight of the nine samples contained low level detections of PCE. Only one sample, **SV-7,** contained a PCE concentration at **29 µg/m$^3$**, which exceeds the agency thresholds established at **15 µg/m$^3$** *(unrestricted residential land use)*. All other detections were well below both established unrestricted residential and commercial land use screening thresholds.
    - **Trichloroethene (TCE):** Six of the nine samples contained low level detections of TCE. Only one sample, **SV-9,** contained a TCE concentration at **30 µg/m$^3$**, which exceeds the agency thresholds established at **16 µg/m$^3$** *(unrestricted residential land use)*. All other detections were well below both established unrestricted residential and commercial land use screening thresholds

**Other VOCs:** All other detected VOCs were well below both established unrestricted residential and commercial land use screening thresholds.

### 8.4 Groundwater Sampling

Five (5) temporary soil borings were installed on May 5, 2022, for obtaining grab groundwater samples. First groundwater was encountered at 9 to 11 ft. bgs. Field documentation, photo sheets, geologic logs, and field methodology for sample collection are documented in Appendix E. See Figure 5 for sample locations.

Groundwater Results (Table 3): The State-Certified laboratory results for groundwater testing showed that only trace to low level detections of TPH-Gas, cis-1,2-Dichloroethene, and trans-1,2-Dichloroethene were detected in groundwater samples, all detections were well below established water quality and environmental screening thresholds. All other VOCs constituents were not detected in all samples.

## 9.0 DATA GAPS

We discovered no data gaps during this investigation.

# 10.0 FINDINGS & OPINIONS

## 10.1 Subject Site

**Physical Setting:** The subject Site is a flat-lying, approximately 1.53-acre combined two parcel, property located in a predominantly commercial area of downtown Santa Cruz (see Section 3.0 for full details). The Site contains one wood framed concrete, slab on grade, commercial structure (5,406 square foot [$ft^2$]) and large city parking lot (59,764 $ft^2$) with limited landscaping (see photos in Appendix A).

Land use maps and aerial photographs show the Site had been developed with multiple residential homes since at least 1886 and appears to have mostly remained unchanged until approximately 1940 when the Site was redeveloped with a few commercial structures and parking lots. The Site has remained mostly as a city parking lot since at least 1968 (copies of the historical aerials are included in Appendix B). The Site is bound on three sides by streets and commercial buildings to the east (see the *Aerial Vicinity Map*, Figure 2). The flat-lying subject property is situated at an elevation of approximately 14 feet above mean sea level. First encountered groundwater beneath the Site flows in a southeasterly direction and is known to fluctuate seasonally at depths of between 9-to-12 feet below ground surface (bgs).

**Phase I Historical Document Review** (details in Section 4.0): Historical Sanborn maps and aerial photographs showed that the Site had been developed since at least 1886 with residential dwellings, outhouses, and stable/garage units. Site remained mostly unchanged until sometime between 1940 and 1948 when the dwellings were mostly removed and replaced with two commercial structures and parking lots. By 1968 the majority of the Site was made up of vehicle parking with only two commercial structures present. By 1974 only one commercial structure remained along the north (113 Lincoln Street), with mostly the remainder of the Site made up as a vehicle parking lot.

Until approximately 1940, adjoining and vicinity land-use was predominantly residential with the exception of Pacific Avenue. Beginning in the late 1940s residential land was slowly replaced with commercial land use in the immediate vicinity (copies of historical aerials included in Appendix B).

**Phase I Review of Agency Records and User Questionnaire** (details in Sections 5.0 & 6.0): There were no environmental conditions of concern that were revealed from the review of agency records for the subject Site and vicinity or from the User Questionnaire.

**Phase I Site Inspection** (details in Section 7.0): The *Phase I ESA* included an inspection of current environmental conditions at the Site. The inspection showed the subject property is largely encapsulated by a public city parking lot and concrete commercial structure (113 Lincoln Street). The commercial building is occupied by a gym and contains shower/locker rooms and fitness equipment. Floor drains are present in each shower area. There is no bulk chemical storage or use conducted on Site. The building appeared to be in relatively good condition, and well maintained. The majority of the Site is comprised as an asphalt parking lot. There was some mild to moderate staining observed in areas across the lot, however, none of the staining was significant. No recognized environmental conditions were identified based on current Site conditions observed during the inspection (see Photos in Appendix A)

- **Phase I Conclusions of <u>On-Site</u> Conditions:** There were no on-site *recognized environmental conditions* (REC's) identified, based on the review of available historical and agency documents, interviews, and a subject Site inspection.

### 10.2 Adjoining & Vicinity Findings

A number of commercial properties in the vicinity of the subject Site are documented as having had chemical releases (details presented in Section 5 and Appendix D). Despite regulatory oversight and closure for most of these documented chemical release cases, there remains a well-documented, low-level solvent plume (TCE, cis-1,2-DCE, & Vinyl Chloride) present in shallow groundwater upgradient of the Site. This dilute plume has some potential to encroach (flow) beneath the subject Site, based on the southwesterly groundwater flow direction in the area (additional details in Section 5.4). This relatively low-concentration contaminant groundwater plume, which remains an open agency case, has some limited potential for encroaching beneath the subject Site and is considered a **Controlled Recognized Condition (CREC)**.

In addition to documenting the location of known groundwater plumes, we also evaluated the potential for pollutant plume off-gassing in accordance with current standards for assessing vapor encroachment (i.e., ASTM E2600-10, which has established search distances for volatile chemical release sites for conservatively evaluating the *<u>potential</u>* for vapor (soil gas) encroachment). The documented upgradient, relatively low-concentration solvent plume appears to be the only *<u>documented</u>* release with the potential for vapor encroachment.

The historical records also document the long term presence of a dry cleaner to the north (upgradient) and one to the southwest (side/downgradient) of the Site. Dry cleaners are known to use relatively large quantities of chemicals, discharge dry cleaning solvent wastewater to drainage lines, and generate chemical wastes:

3. <u>108 Lincoln Street - Royal Dry Cleaners</u> (1960 – 1987): This dry cleaner may have closed operations before permitting and inspections were required by the local overseeing agency (Santa Cruz County Environmental Health Services, SCC-EHS).
4. <u>511 Cedar Street - Pacific Dry Cleaners</u> (at least 1997 – present): Operations/chemical use records on file with SCC-EHS documented the use of chlorinated solvents (i.e., Tetrachloroethylene, aka: PCE) from at least 1997 to approximately 2005, after which dry cleaner wash solvent transitioned to a hydrocarbon-based alternative. A review of agency inspection records did not reveal any operational violations of concern for this business.

Neither of these two cleaner businesses have any agency-documented chemical releases (details described in Section 5). However, dry cleaning businesses in general have a record of solvent-laden wash water releases to drainage sumps and drainage piping so there exists some elevated *potential* risk of <u>undocumented</u> chemical releases that could encroach beneath the subject Site**.**

**Phase I Conclusions of Off-Site (Adjoining & Vicinity) Conditions:**

1. There is one (1) open agency-regulated chemical release case having some limited potential to impact (encroach upon) the subject Site. This upgradient, low-concentration, dilute

groundwater plume is considered a ***Controlled Recognized Environmental Condition*** **(CREC)**, since the contaminant source is from an off-site responsible party and the overseeing agency has no characterization or cleanup requirements for the subject Site.

2. A nearby, upgradient property located across Lincoln Street operated as a dry cleaner for 27+ years (108 Lincoln Street, details described in Section 5). Commercial dry cleaner businesses are considered "red flag" sites because many of these businesses are documented to inadvertently have released chemicals to the subsurface via operations (i.e., disposal of solvent laden wash water to sumps and drain lines), daily handling of chemicals, and the generation/disposal of chemical wastes. Therefore because of long term dry cleaning operations immediately upgradient of the subject Site, there exists a risk of an *undocumented* chemical release(s) from this business a potential to encroach beneath the Subject Site. This is considered a ***Recognized Environmental Condition*** **(REC).** The primary concern is the *potential* for vapor encroachment into a building.
3. To a lesser extent, a second, long term dry cleaner (26+ years of operation, and currently operating ~100-ft to the southwest of the subject Site (511 Cedar Street). This active dry cleaner has no history of a documented chemical release, but as noted above is considered a "red flag" site because of its proximity and likely operational history that included the standard-of-care disposal of solvent laden wash water to sumps and drain lines. This nearby property is considered a ***Recognized Environmental Condition***.

## 10.3 Summary of Phase II Soil Vapor and Groundwater Sampling Program

Based on the Phase I findings, a Phase II sampling and testing program was implemented to evaluate subsurface Site conditions for *potential* contamination. The program included the following collection and State-certified-laboratory analysis of on-site shallow soils, groundwater, and soil vapor samples:

- A total of eighteen (18) **soil cores** (**SS-1A/B through SS-9A/B)** were obtained to depths of 4.0 feet bgs. Soil samples were retained from depths of 0.5, 1.5, and 3.0 feet bgs. The two shallow samples were tested at a State-certified laboratory analysis (2-point composites). The deeper samples were put-on hold for as-needed analysis. Samples were tested for landfill profiling and to evaluate for common urban contaminants of concern (fuel, oils and metals)

The laboratory results have been tabulated along with agency, risk-based threshold limits for comparison of detected concentrations (see Tables 1, 2 and 3). Results are summarized below:

### *10.3.1 Groundwater Sample Results (Table 3)*

Five (5) **groundwater samples (GW-1 through GW-5)** were collected from depths of between 9.0 and 11.0 feet bgs and analyzed for the full suite of *Volatile Organic Compounds* (VOCs) and fuel (gasoline). Representative samples of first encountered groundwater beneath the subject Site contained *only trace to low level detections* of two common urban contaminants: 1) gasoline range total petroleum hydrocarbons (TPH), and 2) the solvent compound 1,2-Dichloroethene (both cis-, and trans). All concentrations were detected well below established water quality and environmental screening thresholds.

No other *Volatile Organic Compounds* (VOCs) were detected in any of the groundwater samples.

#### ***10.3.2 Shallow Soil Vapor Sample Results*** *(Table 2)*

Nine (9) shallow, **soil vapor samples (SV-1 through SV-9)** were collected from a depth of 5 feet bgs from across the entirety of the Site and analyzed for the full suite of volatile contaminant compounds at a State-certified laboratory. Aside from an apparent anomalous bias detection that the laboratory identified to originate from natural oil/extract compounds[2], all remaining soil vapor sample results contained relatively low-concentrations volatile concentrations.

- Fuel-Based Volatile Detections: There were widespread, low-level concentrations of volatile, fuel-based constituent contaminants detected across the Site (i.e., **TPH-Gasoline & Benzene**). However, there were only two (2) sample locations (***SV-1 & SV-9***) having concentrations that exceeded the land use threshold for the common urban contaminant, Benzene. Specifically, low concentration benzene was detected between **4.1 µg/m$^3$** to **4.8 µg/m$^3$**, which slightly exceeds the residential (unrestricted) land use threshold of **3.2 µg/m$^3$**.
- Solvent-Based Volatile Detections: Similarly, there were also widespread, low-concentrations of solvent-based volatile contaminants detected across the Site (i.e., **PCE & TCE**, two common degreaser compounds used in historic dry cleaning and automotive repair operations). However, only two (2) sample locations (***SV-7 & SV-9***) had concentrations that exceeded residential (unrestricted) land use thresholds. Specifically:
  - A relatively low concentration of PCE (**29 µg/m$^3$**) was detected **at SV-7**, which exceeds the residential (unrestricted) land use threshold of **15 µg/m$^3$**. And,
  - A relatively low concentration of TCE (**30 µg/m$^3$**) was detected **at SV-9**, which exceeds the residential (unrestricted) land use threshold of **16 µg/m$^3$**.
- Note: *None of the detected volatile soil gas concentrations exceeded commercial land use screening thresholds* (see Table 2 for additional details).

#### ***10.3.3 Soil Sample Results*** *(Table 1)*

Phase II shallow soil samples were primarily tested to evaluate potential reuse of on-site soils during redevelopment earthworks as well as for landfill disposal profiling of surplus soils. The laboratory results showed that the bulk of the shallow soils collected from across the Site were impacted with elevated concentrations of Lead and Arsenic. Typical urban sources for these metal contaminants originate from Lead-based paint and weed and rodent control (i.e., arsenates).

Most of the elevated metal concentrations are characterized as "*non-hazardous*" and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the Site exceeded residential (unrestricted) or commercial land use screening threshold limits and will need to be graded off and

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[2]: See footnote 1 on page 6. A copy of the testing laboratory's *Tentatively Identified Compound (TIC)* report is included at the back of Appendix F (lab reports).

disposed of. Figure 5 (and the clip to the right) presents a plan view of the Site showing color-coded depths of soil that would need to be removed to achieve residential (unrestricted) land use thresholds (i.e., impacted soils by depth).

**See Figure 5 for Enlarged Copy**

Preliminary Lateral/Vertical Soil Delineation: Shallow soil samples (0.5-ft, and 1.5 ft) collected from nine (9) quadrants were initially collected and tested as 2-point composites (see attached Figure). Following receipt of the 2-point composite lab results (which indicated relatively widespread shallow contamination, primarily as Arsenic and Lead) the following additional analysis was completed:

3) The nine (9), 2-point composite soil samples were broken up and individually analyzed for Lead and and/or Arsenic to evaluate whether one or both of the soil samples that made up the composite were impacted. The goal behind this additional "discrete" sample analysis was to delineate and/or eliminate sub-quadrants as areas of potential concern. And;

4) The deeper, 3-ft samples on hold at the laboratory were lab-analyzed as composite samples. The goal behind the additional "deeper" sample analysis was to further delineate the vertical extent of contamination.

   - Note that only one (1) of the nine (9) deeper soil samples (SS-5) contained elevated contaminant concentrations, *which indicates that the vertical extent of contamination appears to be limited to less that 3-ft bgs*.

Additional Phase II testing details are provided in Section 8 of this report.

Landfill Disposal: As noted above, most of the contaminant metal concentrations detected in shallow soil are characterized as "non-hazardous" and can be disposed of at a local, municipal landfill. However, two samples (SS-2 at 1.5-ft and SS-3 at 0.5-ft bgs) contained hazardous waste concentrations of soluble

Lead and will be required to be disposed of at a Class 1 landfill (see brick -shaded quadrants on the attached Figure 5). In summary, this Phase II screening of shallow, on-site soils provides a preliminary overview of soil conditions. Additional horizontal/vertical delineation will be needed to provide accepting landfills with enough data to take these soils.

## 11.0 CONCLUSIONS & RECOMMENDATIONS

We have performed a standard of care, *Phase I/II Environmental Site Assessment* in conformance with protocols established in ASTM Practice E1527-15 and there were no data gaps encountered while completing this research.

Phase I - On-site Conclusions: There were no on-site *recognized environmental conditions* (REC's) identified, based on the review of available historical and agency documents, interviews, and a site inspection. research.

Phase I - Off-site/Vicinity Conclusions:

1. There is one (1), open (active), agency-regulated chemical release case having some limited potential to impact (encroach upon) the subject Site. This upgradient, low-concentration groundwater plume is considered a ***Controlled Recognized Environmental Condition*** **(CREC)**, since the contaminant source is from an off-site responsible party and the overseeing agency has no characterization or cleanup requirements for the subject Site.
2. Two long-term dry cleaners operated nearby including an upgradient property located across Lincoln Street operated as a dry cleaner for 27+ years (108 Lincoln Street) and to a lesser extent, a second, long term dry cleaner (26+ years of operation, and currently operating) located ~100-ft to the southwest of the subject Site (511 Cedar Street). These long-term dry cleaning businesses are considered a "red flag" operations because of their proximity and likely operational history that included the standard-of-care disposal of solvent laden wash water to sumps and drain lines. As a result, there exists an encroachment risk resulting from *undocumented* chemical release(s). These two cleaner sites are considered a ***Recognized Environmental Condition*** **(REC).** The primary concern is the *potential* for vapor encroachment into a building.

Phase II Sampling and Testing Program Conclusions: A Phase II sampling and testing program was implemented to evaluate subsurface Site conditions for *potential* contamination. The program included sample collection and State-certified-laboratory analysis of groundwater, soil vapor, and shallow soil samples:

1. Groundwater Results: Representative samples of first encountered groundwater beneath the subject Site contained only trace to low level detections of two common urban contaminants: 1) gasoline range total petroleum hydrocarbons and 2) the solvent compound 1,2-Dichloroethene (both cis-, and trans). All concentrations were detected well below established water quality and environmental screening thresholds. **These groundwater results indicate there has been no significant release of mobile contaminants to the subsurface from on-site or upgradient sources (i.e., fuels, solvents).**
2. Soil Vapor Results: Aside from an apparent anomalous bias detection that the laboratory identified as a natural oil/extract compound (described above in Section 1.3.2), all soil vapor sample results were shown to contain relatively low-concentrations volatile concentrations. Specifically:
    - Fuel-Based Volatile Detections: Low level concentrations of the volatile fuel constituent benzene were detected in two of the nine soil vapor samples (SV-1 and SV-9), above

unrestricted residential screening thresholds. It is notable that low level/trace concentrations of benzene and gasoline-range-TPH were detected across the Site. This, coupled with lack of fuel-based contaminant detections in groundwater, indicate that these very low vapor detections suggest that the contaminant source is insignificant and likely originates from near surface leaks from vehicles parked at this lot.

- Solvent-Based Volatile Detections: Similarly, there were also widespread, low-level soil vapor concentrations of solvent-based volatile contaminants detected across the Site but not in groundwater. These low-level, soil gas concentrations indicate there has not been a significant chemical release at the subject Site.

  Only two (2) of the nine (9) sample locations (SV-7 & SV-9) had concentrations exceeding residential (unrestricted) land use thresholds, but neither exceeded commercial land use screening thresholds). SV-7 & SV-9 are property line sample locations and the source of their relatively low-concentration solvent detections may originate as encroached soil gas from an unidentified off-site source, potentially the nearby drycleaner facility at 511 Cedar Street.

3. Soil Results: Phase II shallow soil samples were primarily tested to evaluate potential reuse of on-site soils during redevelopment earthworks as well as for landfill disposal profiling of surplus soils. The laboratory results showed that the bulk of the shallow soils collected from across the Site were impacted with elevated concentrations of Lead and Arsenic. Typical urban sources for these metal contaminants originate from Lead-based paint and weed and rodent control (i.e., arsenates).

   The majority of the elevated metal concentrations in soil are characterized as "non-hazardous" and can be disposed of at a local, municipal landfill. However, much of the shallow soils across the Site exceeded residential (unrestricted) or commercial land use screening threshold limits and will need to be graded off and disposed of during development activities. Figure 5 presents a plan view of the Site showing color-coded depths of soil that would need to be removed to achieve residential (unrestricted) land use thresholds (i.e., impacted soils by depth).

A copy of this report should be submitted to the overseeing agency, the Santa Cruz County Environmental Health Services (SCC-EHS), for their review and comment. Future earthworks and soil handling will need to be managed under an agency-approved *Soil Management Plan* and SCC-EHS will likely require some additional soil vapor evaluation to confirm vapor intrusion is not a concern. Supplemental soil delineation testing will likely be needed to further define the limits of shallow soil contamination and to provide accepting landfills with required acceptance data.

## 12.0 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

This report and the associated work have been provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all other warranties, expressed or implied. This report has been prepared solely for our client. The assessment is provided so the client may make a more informed decision as to Site conditions. This report shall not be relied upon by or transferred to any other party or used for any other purpose. *Weber, Hayes and*

*Associates* will not distribute this report to any regulatory agency without the consent by the User, unless required by law or court order.

This ESA is not a regulatory compliance audit or an evaluation of the efficiency of the use of any hazardous materials at the Site. Unless otherwise stated, no evaluation for the presence of asbestos-containing building materials, Lead-based paint, urea-formaldehyde foam insulation, or other potentially hazardous building materials; methane; radon gas; Lead in drinking water; or wetlands, is included in our assessment.

Our findings and opinions are based on information collected from regulatory agency files and lists, interviews, and Site conditions at the time of our Site reconnaissance. Note that our findings and opinions are based on information that we obtained on specific dates through records review, Site reconnaissance, and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions, we observed to have changed after our observations.

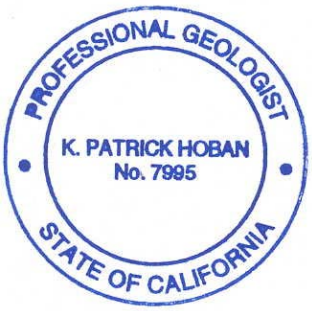
The accuracy and thoroughness of any environmental assessment depend on a variety of factors and optimally will include soil and groundwater sampling. Weber, Hayes and Associates cannot and will not provide guarantees, certifications or warranties that the investigated property is or is not free of environmental impairment. Any person who is aware of any *recognized environmental conditions* of the Site or surrounding areas that are different from those described in the report should report them immediately to this office for evaluation as part of an additional scope of work.

Thank you for this opportunity to be of service. Should you have any questions or comments regarding this project, please contact us at our offices.

*Respectfully submitted,*

WEBER, HAYES AND ASSOCIATES

A California Corporation




By: _____
Pat Hoban, PG
*Principal Geologist*

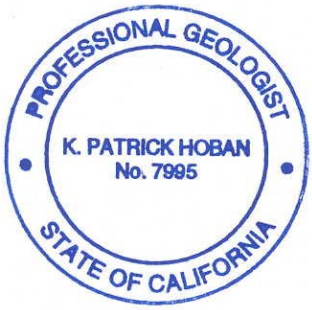
And: _____
Shaun Ersoy
*Staff Scientist*

## 13.0 QUALIFICATION OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10[3] of this part.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

By _____
Pat Hoban
*Principal Geologist*




[3] ASTM Standard E 1527-15, X2.1.1 and Federal Register 40 CFR Part 312, §312.10:

Environmental Professional means:

(1) A person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases…on, at, in, or to a property, sufficient to meet the objectives and performance factors...

(2) Such a person must:

(i) Hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of full-time relevant experience; or

(ii) Be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries … and have the equivalent of three (3) years of full-time relevant experience; or

(iii) Have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or

(iv) Have the equivalent of ten (10) years of full-time relevant experience...

## 14.0 REFERENCES

**Environmental Assessment Standards and State/Local Information Systems**

ASTM E1527-15, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, 2015

ASTM E2600-10, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, 2010.

State Water Resources Control Board *Online "GeoTracker" Database*, www.geotracker.swrcb.ca.gov.

California State Department of Toxic Substances Control *Online "EnviroStor" Database*, www.envirostor.dtsc.ca.gov/public/http://www.geotracker.swrcb.ca.gov/.

Santa Cruz County *Geographic Information Systems (GIS) website*, https://gis.santacruzcounty.us/gisweb/

**Regional Maps and Geologic References**

*The National Geologic Map Database*, http://ngmdb.usgs.gov/ngmdb/ngmdb_home.html, 2015.

*Geologic Map of Santa Cruz County, California*, Wagner, 2002.

**Nearby Property Records and Reports**

207 Church Street – Church Street LLC
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001572

600 Front Street – Former Kedrick's Laundry
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002689

1010 Center Street– Former Auto Repair & Paint Shop
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013953

1128 Pacific Avenue – Former Bank of America
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700061

1018 Pacific Avenue – Pacific Union Apartments
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608716522

425 Front Street – Greyhound Station
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0608724434

920 Pacific Avenue – Santa Cruz Metro Station
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006376

## Figures

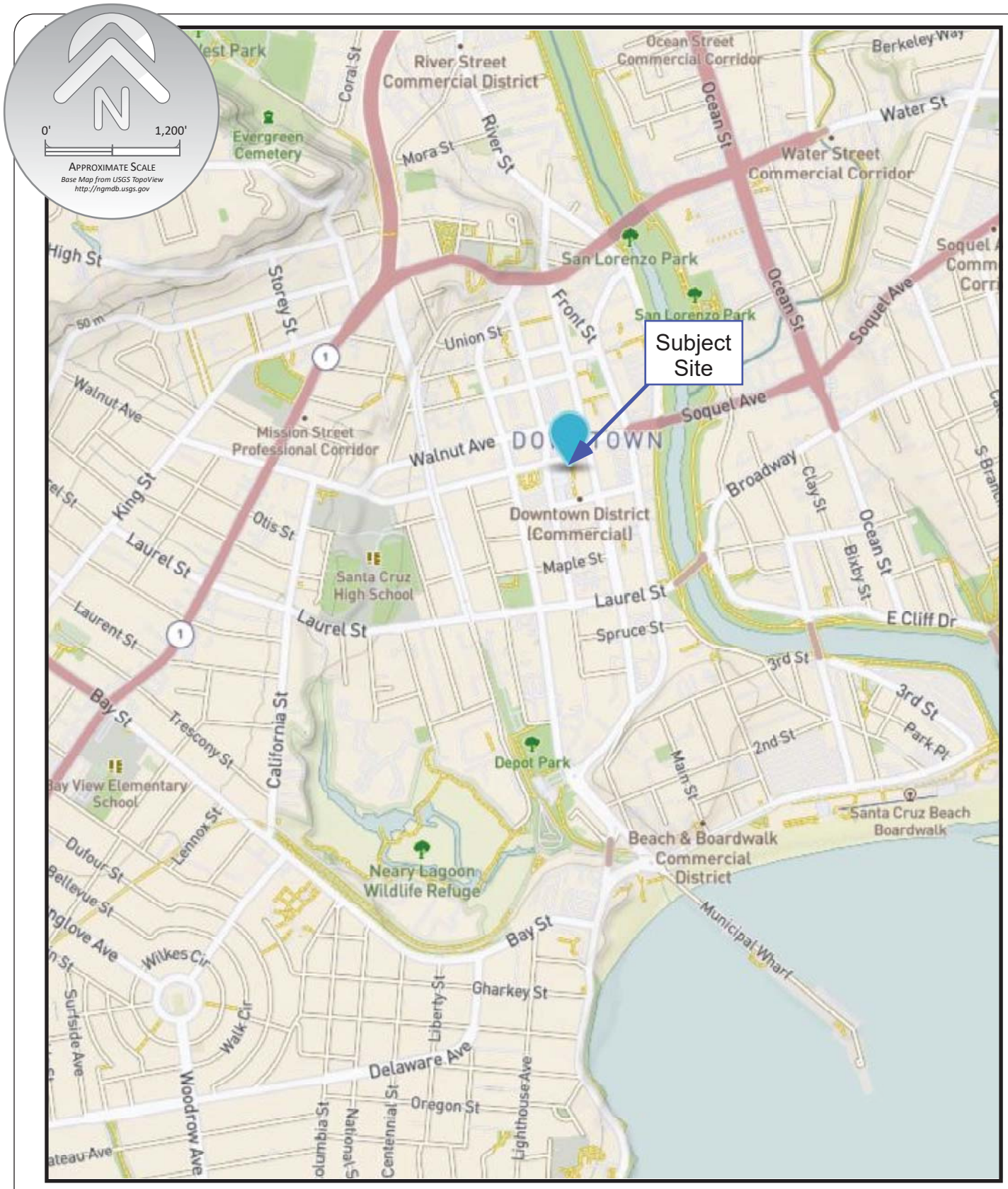
**Figure 1: Location Map**

**Figure 2: Vicinity Map**

**Figure 3: Site Map**

**Figure 4: Regulated Hazardous Sites Map**

**Figure 5: Sampling Locations Map**

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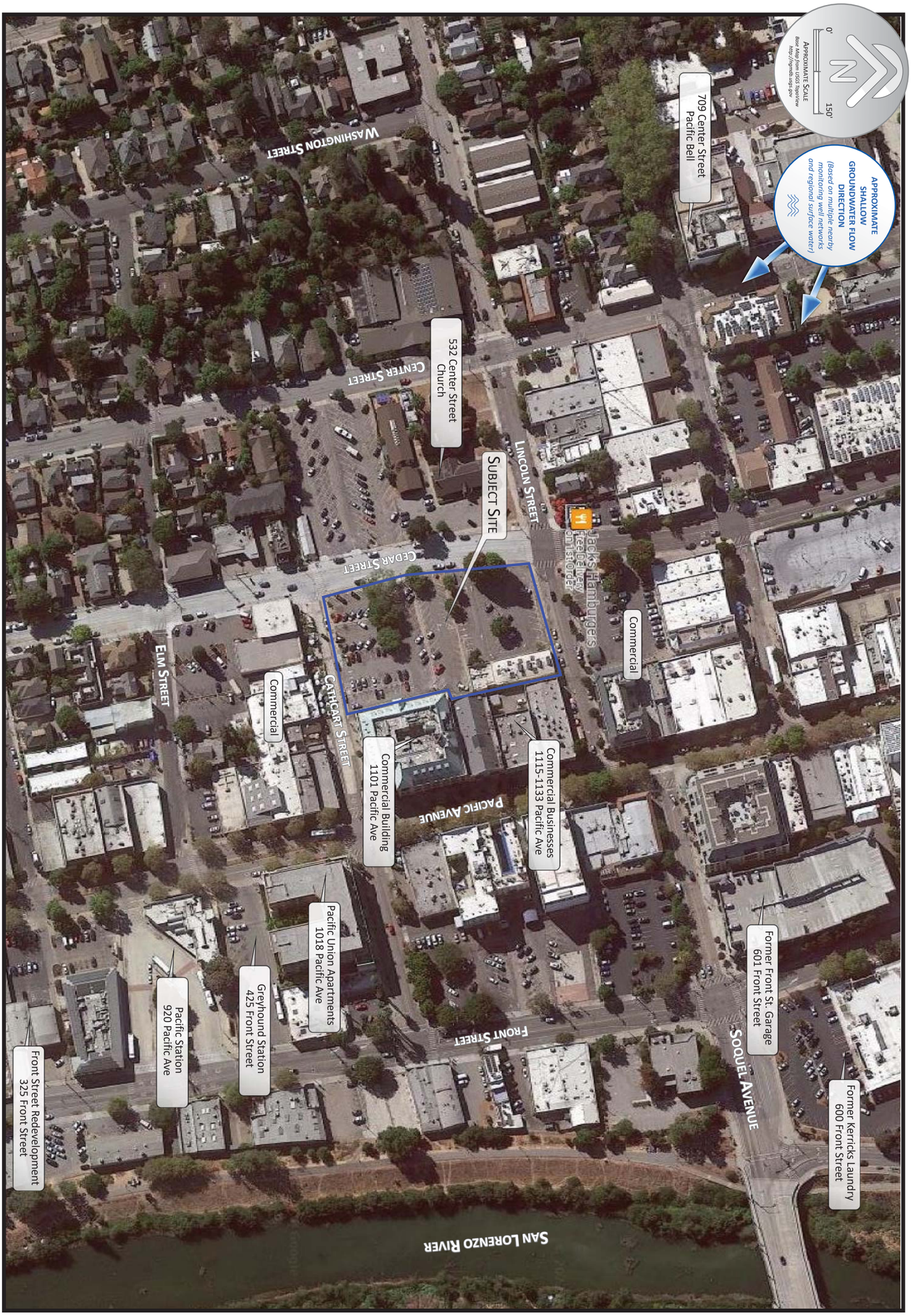
# Location Map
## Phase I/II Environmental Site Assessment

Site: Santa Cruz Library ESA
Address: 113 Lincoln Street, Santa Cruz, CA 95060

Date: July 2022

Revisions/Notes:

**Figure 1**
*Project 2t158*

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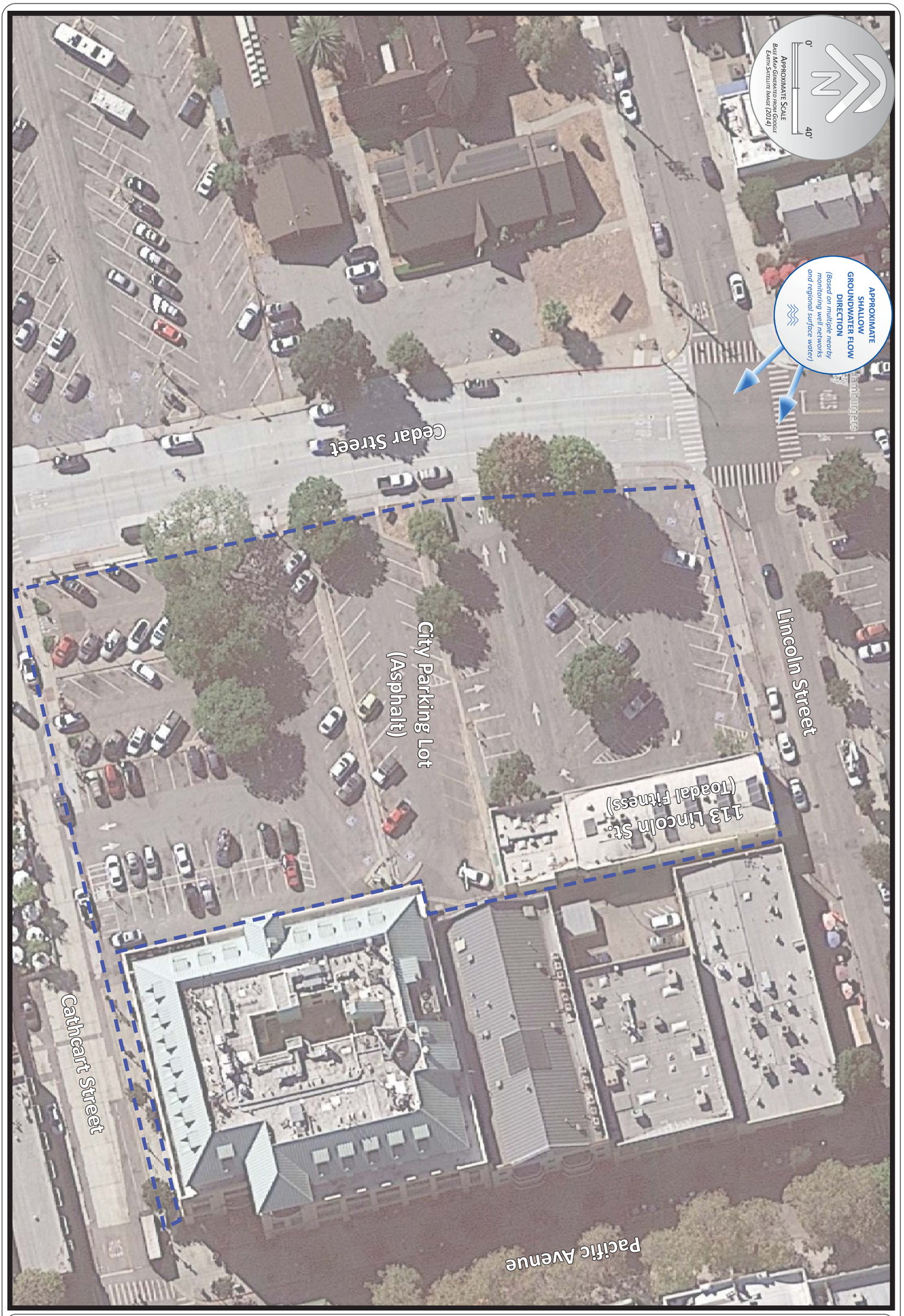
# VICINITY MAP
## PHASE I/II ENVIRONMENTAL SITE ASSESSMENT

SITE: Santa Cruz Library ESA
ADDRESS: 113 Lincoln Street, Santa Cruz, CA 95060

DATE: JULY 2022

REVISIONS/NOTES:

**FIGURE 2**
*Project 2T158*

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# SITE MAP
## PHASE I/II ENVIRONMENTAL SITE ASSESSMENT

SITE: Santa Cruz County Library ESA
ADDRESS: 113 Lincoln Street, Santa CRUZ

DATE: JULY 2022

REVISIONS/NOTES:

**FIGURE 3**
*Project 2T158*

## Surrounding Sites

| | |
|---|---|
| 1 | 108 Lincoln Ave - Royal Cleaners - EDR Hist. Cleaners |
| 2 | 511 Cedar Street - Pacific Dry Cleaners - EDR Hist. Cleaners |
| 3 | 1018 Pacific Ave - Pacific Union Apartments - LUST Closed |
| 4 | 1128 Pacific Ave - Former Bank of America - LUST Cloased |
| 5 | 425 Front Street - Greyhound Station - CPS-SLIC Open Monitoring |
| 6 | 920 Pacific Ave - SC Metro Station - CPS-SLIC Open Site Assessment |
| 7 | 601 Front Street - Front St Garage - LUST Closed |
| 8 | 709 Center Street - Pacific Bell - LUST Closed, RCRA-LQG |
| 9 | 600 Front Street - Former Kerricks Laundry - CPS-SLIC Site Assessment |
| 10 | 600-720 Front Street - San Lorenzo Park - LUST Closed |
| 11 | 325 Front Street - Putney Perry - LUST Closed, CPS-SLIC Assessment |
| 12 | 705 Front Street - McPherson Art & History - LUST Closed |
| 13 | 207 Church Street - SC Sentinel - CPS-SLIC Closed |
| 14 | 100 Laurel Street - Shell Station - LUST Closed |
| 15 | 912 Cedar Street - Sentinel Printers - LUST Closed |
| 16 | 211 Cedar Street - Former Eurotech - CPS-SLIC Closed |
| 17 | 740 Front Street - Former French Laundry - LUST Closed |
| 18 | 1010 Center Street - Ronald Perrigo - CPS-SLIC Site Assessment |
| 19 | 201 Front Street - Toyota of SC - LUST Closed |

*These are primarily historical and ongoing fuel and chemical release and/or hazardous waste generator sites within a 1/4-mile radius around the subject Site. See Section 5 of the report and Appendix C for further details. Please note that we have reviewed the placement of these regulated sites and adjusted some that were shown inaccurately on the State GeoTracker website.*

## Explanation of Symbols

- Ongoing *Leaking Underground Storage Tank (LUST)* Case
  - Regulatory Closure
  - Ongoing Remedial Action
- Ongoing *SLIC or ENVIROSTOR Cleanup* site
  - Regulatory Closure
  - Ongoing Remedial Action
- Open *National Priorities List* or *CERCLIS (Superfund)* site
  - Delisted or NFRAP site
  - Proposed NPL site
- *RCRA* Generators & Corrective Action *(Resource Conservation & Recovery Act)* site
  - RCRA CORRACTS
  - RCRA-LQG (large qty generator)
  - RCRA-SQG (small qty generator)
- Underground Storage Tank (UST)
- Aboveground Storage Tank (AST)
- DTSC Voluntary Cleanup site
- Historical Dry Cleaners
- CUPA Hazardous Materials site: these are adjoining sites that have a *Hazardous Materials Management Plan* on file with the county.

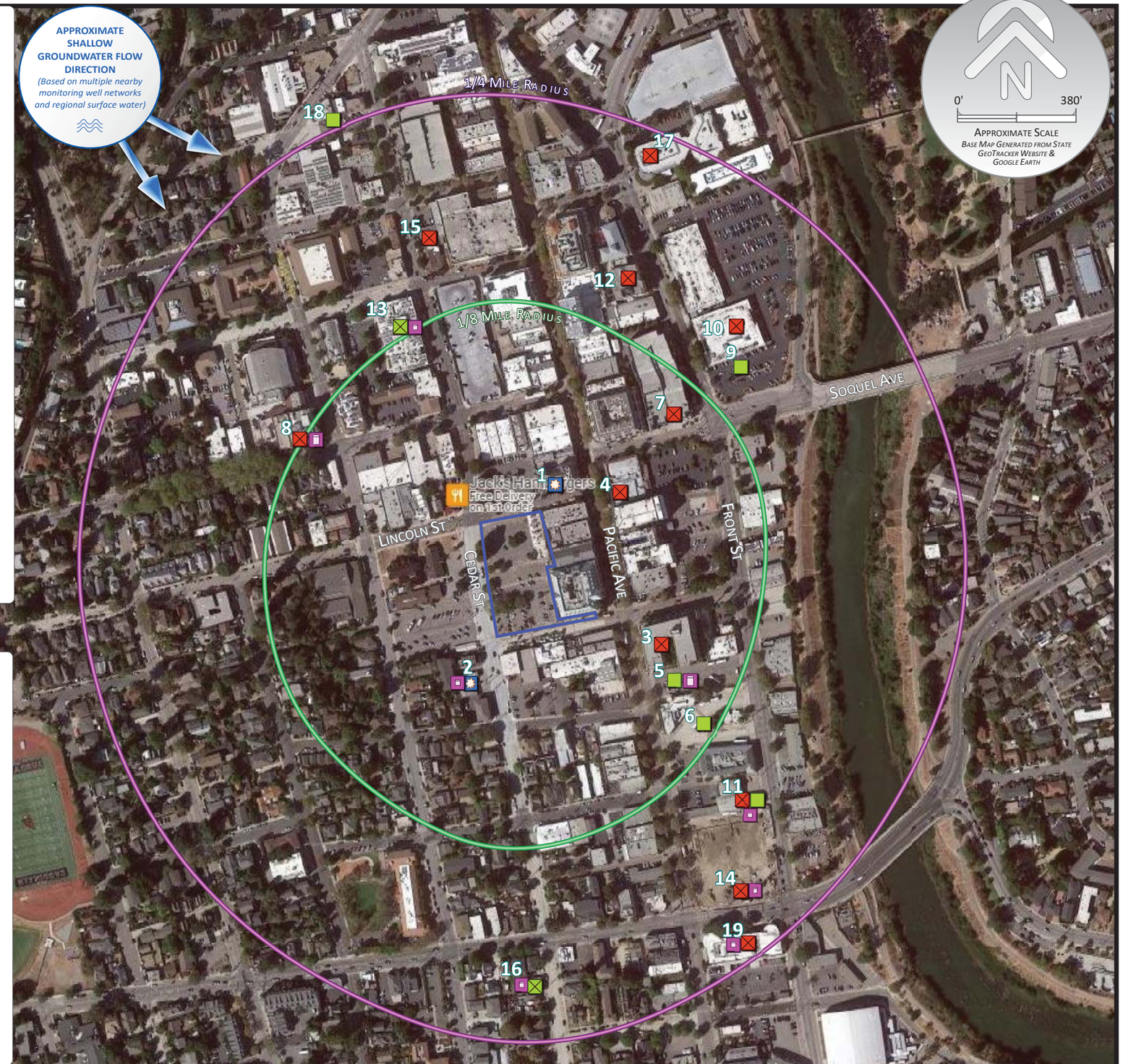


**Figure 4**
*Project 2T158*

# Regulated Hazardous Sites - ¼ Mile Radius
## Phase I/II Environmental Site Assessment

Site: Santa Cruz Library ESA
Address: 113 Lincoln Street, Santa Cruz

Date: July 2022

Revisions/Notes: :


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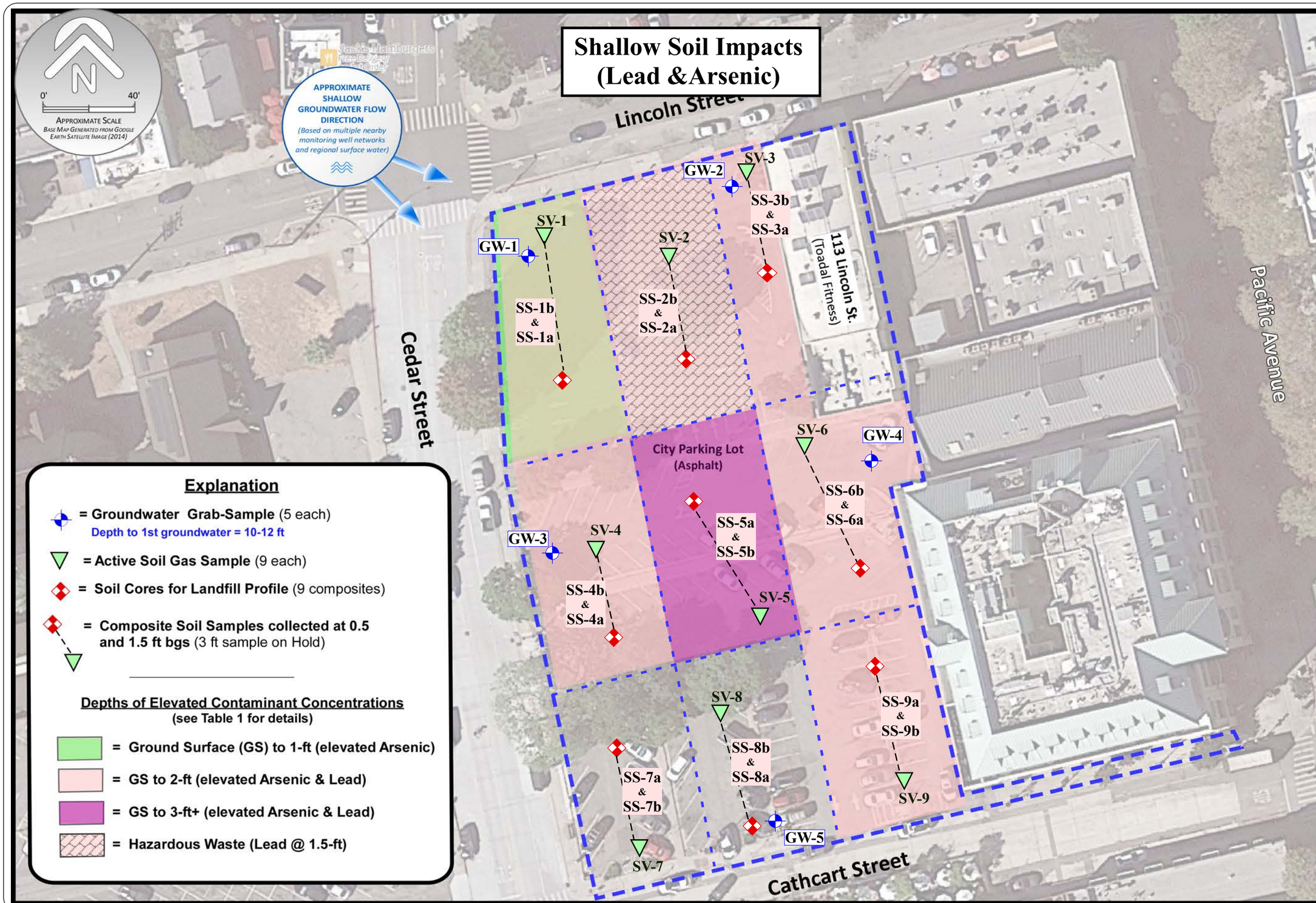


**Figure 5**

**Project 2T158**

# Phase II Sample Location Map
## Environmental Site Assessment

Site: Santa Cruz Library ESA
Address: 113 Lincoln Street, Santa Cruz

Date: June 2022

Revisions/Notes:


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# Tables

**(Summary of Laboratory Results)**

**Table 1: Soil Results:** *TPH & Metals*

**Table 2: Soil Vapor Results:** *Volatile Organic Compounds (VOCs)*

**Table 3: Groundwater Results:** *Volatile Organic Compounds (VOCs)*

# Table 1
## Summary of Soil Analytical Results
## CAM 17 Metals & Total Petroleum Hydrocarbons (TPH)
### 113 Lincoln Street, Santa Cruz

*All soil results are in milligrams per Kilogram (mg/Kg) unless noted*

| Sample Information | | | | Total Petroleum Hydrocarbons (TPH) EPA Method 8260B/8015M | | | CAM-17 Metals by EPA Method 6010B | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Depth (ft) | Sample Type (Composite/ Discrete) | TPH as GASOLINE (C5-12) | TPH as DIESEL (C12-C22) | TPH as MOTOR OIL (C22-C40)** | Antimony | Arsenic (Bkg) | Soluble ARSENIC STLC/TCLP (mg/L) | Barium | Soluble BARIUM STLC/TCLP (mg/L) | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | Soluble LEAD STLC/TCLP (mg/L) | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium* | Zinc |
| SS-1 | 5/5/2022 | 0.5 | Composite | 1.75 B J | 76.5 J | 1,445 | 4.17 | 203 | 0.916 / < 0.10 | 289 | -- | 0.213 J | 0.510 J | 7.05 | 5.14 | 24.8 | 77.3 | 2.32 / -- | 0.191 | 1.1 | 12.2 | <2.17 | <1.09 | <2.17 | 16.9 | 54.2 |
| | | | Discrete (SS-1A) | -- | -- | -- | -- | 250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-1B) | -- | -- | -- | -- | 35.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 9.11 B | 2.57 J | 13.13 | <2.34 | 4.77 | -- | 92.2 | -- | 0.274 | 0.349 J | 19.2 | 3.92 | 22.9 | 16.6 | -- | 0.197 | 0.821 | 8.61 | <2.34 | <1.17 | <2.34 | 17.1 | 50.7 |
| | | 3 | Composite | 4.08 B | 8.97 | 28.49 | <2.29 | 6.54 | -- | 69.3 | -- | 0.200 J | 0.58 | 8.16 | 4.15 | 10.1 | 6.39 | -- | 0.0381 J | 0.877 | 11.4 | <2.29 | <1.15 | <2.29 | 17.7 | 44.5 |
| SS-2 | 5/5/2022 | 0.5 | Composite | 2.45 B J | 28.7 J | 524 | 10.6 | 282 | 1.47 / < 0.10 | 3,020 | 11.9 / 5.8 | 0.394 | 0.808 | 35.1 | 7.53 | 30.8 | 117 | 0.145 / < 0.10 | 0.181 | 3.75 | 22.8 | <2.14 | 0.834 J | <2.14 | 55.4 | 128 |
| | | | Discrete (SS-2A) | -- | -- | -- | -- | 110 | -- | 1,200 | -- | -- | -- | -- | -- | -- | 46.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-2B) | -- | -- | -- | -- | 277 | -- | 5,790 | -- | -- | -- | -- | -- | -- | 149 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 1.61 B J | 3.72 J | 31.8 | <2.25 | 6.15 | -- | 159 | -- | 0.429 | 0.396 J | 16.5 | 3.75 | 14.1 | 80.3 | 5.26 / -- | 0.31 | 0.697 | 10.1 | <2.25 | <1.12 | <2.25 | 27.2 | 75.5 |
| | | | Discrete (SS-2A) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 404 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-2B) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 28.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 1.45 B J | 0.982 J | 3.95 | <2.27 | 3.46 | -- | 131 | -- | 0.451 | 0.435 J | 16.2 | 3.77 | 11.4 | 58.2 | -- | 0.259 | 0.787 | 11 | 0.975 J | <1.14 | <2.27 | 29 | 56.4 |
| SS-3 | 5/5/2022 | 0.5 | Composite | 1.16 B J | 1.63 J | 21.24 | <2.23 | 2.89 | -- | 199 | -- | 0.45 | 0.513 J | 17.5 | 3.79 | 18.4 | 568 | 29.5 / 2.14 | 0.37 | 0.875 | 10.4 | <2.23 | <1.11 | <2.23 | 29.1 | 181 |
| | | | Discrete (SS-3A) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 237 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-3B) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 677 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 1.26 B J | 1.63 J | 12.99 | <2.29 | 1.85 J | -- | 106 | -- | 0.491 | 0.405 J | 17.9 | 3.92 | 11.3 | 96.1 | 3.48 / -- | 0.569 | 0.757 | 10.8 | <2.29 | <1.14 | <2.29 | 30.6 | 60 |
| | | | Discrete (SS-3A) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 124 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-3B) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 39.4 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 4.52 B | <4.64 | 1.82 | <2.32 | 2.6 | -- | 103 | -- | 0.57 | 0.423 J | 20 | 4.39 | 11.3 | 16.4 | -- | <0.0464 | 0.984 | 12.4 | 0.950 J | <1.16 | <2.32 | 35.1 | 55.6 |
| DTSC-Modified Screening Levels (1) (for human health risk pathway) For Residential or Commercial Land Use | | | | Not Established | | | 31 / 470 (EPA) | 0.11 / 0.36 | 5 mg/L | 15,000 / 220,000 (EPA) | 100 mg/L | 16 / 230 | 71 / 780 | 120,000 / 1,800,000 (EPA) (Cr-total) | 23 / 350 (EPA) | 3,100 / 47,000 (EPA) | 80 / 320 | 5 mg/L | 1.0 / 4.4 | 390 / 5,800 (EPA) | 820 / 11,000 | 390 / 5,800 (EPA) | 390 / 5,800 (EPA) | 0.78 / 12 (EPA) | 390 / 5,800 (EPA) | 23,000 / 350,000 (EPA) |
| Environmental Screening Levels (ESLs) (2) (for human health risk pathway) For Residential or Commercial Land Use (& for a construction worker) | | | | 430 / 2,000 / (1,800) | 260 / 1,200 / (1,100) | 12,000 / 180,000 / (54,000) | 11 / 160 (50) | 11.0 / 11.0 (Bkg) 0.067 / 0.31 (2.0) | 5 mg/L | 15,000 / 220,000 (3,000) | 100 mg/L | 16 / 230 (27) | 78 / 1,100 (51) | 120,000 / 180,000 (Cr-total) (53,000) | 23 / 350 (28) | 3,100 / 47,000 (14,000) | 80 / 320 (160) | 5 mg/L | 13 / 190 (44) | 390 / 5,800 (1,800) | 820 / 11,000 (86) | 390 / 5,800 (1,700) | 390 / 5,800 (1,800) | 0.78 / 12 (3.5) | 390 / 5,800 (470) | 23,000 / 350,000 (110,000) |
| "Tier 1 ESL" (2) Lowest ESL(and basis) for All Possible Pathways & Land Uses (includes residential) | | | | 100 (O) | 260 (NC) | 5,100 (GC) | 11 (HH, resid) | 0.067 (HH, resid) | | 3,000 (HH, const) | | 16 (HH, resid) | 78 (HH, resid) | 120,000 (Cr-total) (HH, resid) | 23 (HH, resid) | 3,100 (HH, resid) | 80 (HH, resid) | | 13 (HH, resid) | 390 (HH, resid) | 86 (HH, const) | 390 (HH, resid) | 390 (HH, resid) | 0.78 (HH, resid) | 390 (HH, resid) | 23,000 (HH, resid) |

# Table 1
## Summary of Soil Analytical Results
## CAM 17 Metals & Total Petroleum Hydrocarbons (TPH)
**113 Lincoln Street, Santa Cruz**

*All soil results are in milligrams per Kilogram (mg/Kg) unless noted*

| Sample Information | | | | Total Petroleum Hydrocarbons (TPH) EPA Method 8260B/8015M | | | CAM-17 Metals by EPA Method 6010B | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Depth (ft) | Sample Type (Composite/ Discrete) | TPH as GASOLINE (C5-12) | TPH as DIESEL (C12-C22) | TPH as MOTOR OIL (C22-C40)** | Antimony | Arsenic (Bkg) | Soluble ARSENIC STLC/TCLP (mg/L) | Barium | Soluble BARIUM STLC/TCLP (mg/L) | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | Soluble LEAD STLC/TCLP (mg/L) | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium* | Zinc |
| SS-4 | 5/5/2022 | 0.5 | Composite | 3.13 B | 2.34 J | 40.7 | <2.15 | 206 | 2.28 / < 0.10 | 6.17 | -- | 0.515 | <0.538 | 3.78 | 1.37 | 2.25 | 5.19 | -- | 0.0632 | 1.13 | 0.770 J | <2.15 | <1.08 | <2.15 | 6.9 | 27 |
| | | | Discrete (SS-4A) | -- | -- | -- | -- | 413 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-4B) | -- | -- | -- | -- | 226 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 4.69 B | <5.00 | 6.51 | <2.50 | 14.7 | -- | 181 | -- | 0.478 | 0.732 | 17.7 | 4.18 | 17.6 | 216 | -- / 0.188 | 0.166 | 0.67 | 11.2 | <2.50 | <1.25 | <2.50 | 29 | 211 |
| | | | Discrete (SS-4A) | -- | -- | -- | -- | 76.3 | -- | -- | -- | -- | -- | -- | -- | -- | 193 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-4B) | -- | -- | -- | -- | 5.78 | -- | -- | -- | -- | -- | -- | -- | -- | 243 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 2.91 B J | 2.20 J | 22.06 | <2.48 | 3.46 | -- | 129 | -- | 0.673 | 0.644 | 24.5 | 5.46 | 14.6 | 19.9 | -- | 0.0451 J | 1.32 | 17.5 | <2.48 | <1.24 | <2.48 | 41.1 | 70.8 |
| SS-5 | 5/5/2022 | 0.5 | Composite | 2.82 B J | 5.11 | 75.5 | <2.32 | 202 | -- / < 0.10 | 5.12 | -- | 0.422 | <0.581 | 3.98 | 0.656 J | 2.22 J | 3.8 | -- | 0.0815 | 1.02 | 1.00 J | <2.32 | <1.16 | <2.32 | 6.99 | 24.3 |
| | | | Discrete (SS-5A) | -- | -- | -- | -- | 285 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-5B) | -- | -- | -- | -- | 178 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 3.40 B J | <4.97 | 5.53 | <2.48 | 11.9 | -- | 130 | -- | 0.502 | 0.772 | 17.8 | 5.38 | 16.8 | 175 | -- / < 0.10 | 0.207 | 0.826 | 12.9 | <2.48 | <1.24 | <2.48 | 28.9 | 99.7 |
| | | | Discrete (SS-5A) | -- | -- | -- | -- | 31.8 | -- | -- | -- | -- | -- | -- | -- | -- | 331 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-5B) | -- | -- | -- | -- | 3.34 | -- | -- | -- | -- | -- | -- | -- | -- | 65.9 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 2.83 B J | <4.90 | 7.79 | <2.45 | 45.8 | -- | 171 | -- | 0.461 | 0.480 J | 14.5 | 3.78 | 15.8 | 204 | -- | 0.162 | 0.995 | 8.93 | <2.45 | <1.22 | <2.45 | 27.3 | 131 |
| | | | Discrete (SS-5A) | -- | -- | -- | -- | 6.37 | -- | -- | -- | -- | -- | -- | -- | -- | 248 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-5B) | -- | -- | -- | -- | 37.5 | -- | -- | -- | -- | -- | -- | -- | -- | 386 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SS-6 | 5/5/2022 | 0.5 | Composite | 3.32 B | 3.60 J | 51.2 | <2.19 | 366 | -- / < 0.10 | 11 | -- | 0.593 | <0.546 | 6.86 | 1.61 | 2.8 | 5.73 | -- | 0.0838 | 1.36 | 1.47 J | 0.963 J | <1.09 | <2.19 | 9.22 | 36.1 |
| | | | Discrete (SS-6A) | -- | -- | -- | -- | 309 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-6B) | -- | -- | -- | -- | 212 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 3.05 B J | 1.75 J | 13.79 | <2.40 | 8.99 | -- | 182 | -- | 0.495 | 0.784 | 20.1 | 4.29 | 19.6 | 226 | -- / 0.197 | 0.224 | 0.763 | 12.1 | <2.40 | <1.20 | <2.40 | 31.5 | 147 |
| | | | Discrete (SS-6A) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 340 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-6B) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 686 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 3.45 B J | 0.924 J | 3.04 | <2.38 | 1.73 J | -- | 90.4 | -- | 0.524 | 0.526 J | 19.1 | 4.72 | 11.8 | 13.2 | -- | 0.0290 J | 0.864 | 12.6 | <2.38 | <1.19 | <2.38 | 32.8 | 54.6 |
| DTSC-Modified Screening Levels (1) (for human health risk pathway) For Residential or Commercial Land Use | | | | Not Established | | | 31 / 470 (EPA) | 0.11 / 0.36 | 5 mg/L | 15,000 / 220,000 (EPA) | 100 mg/L | 16 / 230 | 71 / 780 | 120,000 / 1,800,000 (EPA) (Cr-total) | 23 / 350 (EPA) | 3,100 / 47,000 (EPA) | 80 / 320 | 5 mg/L | 1.0 / 4.4 | 390 / 5,800 (EPA) | 820 / 11,000 | 390 / 5,800 (EPA) | 390 / 5,800 (EPA) | 0.78 / 12 (EPA) | 390 / 5,800 (EPA) | 23,000 / 350,000 (EPA) |
| Environmental Screening Levels (ESLs) (2) (for human health risk pathway) For Residential or Commercial Land Use (& for a construction worker) | | | | 430 / 2,000 / (1,800) | 260 / 1,200 / (1,100) | 12,000 / 180,000 / (54,000) | 11 / 160 (50) | 11.0 / 11.0 (Bkg); 0.067 / 0.31 (2.0) | 5 mg/L | 15,000 / 220,000 (3,000) | 100 mg/L | 16 / 230 (27) | 78 / 1,100 (51) | 120,000 / 180,000 (Cr-total) (53,000) | 23 / 350 (28) | 3,100 / 47,000 (14,000) | 80 / 320 (160) | 5 mg/L | 13 / 190 (44) | 390 / 5,800 (1,800) | 820 / 11,000 (86) | 390 / 5,800 (1,700) | 390 / 5,800 (1,800) | 0.78 / 12 (3.5) | 390 / 5,800 (470) | 23,000 / 350,000 (110,000) |
| "Tier 1 ESL" (2) Lowest ESL(and basis) for All Possible Pathways & Land Uses (includes residential) | | | | 100 (O) | 260 (NC) | 5,100 (GC) | 11 (HH, resid) | 0.067 (HH, resid) | | 3,000 (HH, const) | | 16 (HH, resid) | 78 (HH, resid) | 120,000 (Cr-total) (HH, resid) | 23 (HH, resid) | 3,100 (HH, resid) | 80 (HH, resid) | | 13 (HH, resid) | 390 (HH, resid) | 86 (HH, const) | 390 (HH, resid) | 390 (HH, resid) | 0.78 (HH, resid) | 390 (HH, resid) | 23,000 (HH, resid) |

# Table 1
## Summary of Soil Analytical Results
## CAM 17 Metals & Total Petroleum Hydrocarbons (TPH)
### 113 Lincoln Street, Santa Cruz

*All soil results are in milligrams per Kilogram (mg/Kg) unless noted*

| Sample Information | | | | Total Petroleum Hydrocarbons (TPH) EPA Method 8260B/8015M | | | CAM-17 Metals by EPA Method 6010B | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Depth (ft) | Sample Type (Composite/ Discrete) | TPH as GASOLINE (C5-12) | TPH as DIESEL (C12-C22) | TPH as MOTOR OIL (C22-C40)** | Antimony | Arsenic (Bkg) | Soluble ARSENIC STLC/TCLP (mg/L) | Barium | Soluble BARIUM STLC/TCLP (mg/L) | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | Soluble LEAD STLC/TCLP (mg/L) | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium* | Zinc |
| SS-7 | 5/5/2022 | 0.5 | Composite | 4.22 B | 40.4 | 605 | <2.29 | <2.29 | -- | 84.2 | -- | 0.271 | 0.0661 J | 15.2 | 4.7 | 23.1 | 3.38 | -- | 0.0347 J | 0.431 J | 9.98 | <2.29 | <1.15 | <2.29 | 45.6 | 38.7 |
| | | 1.5 | Composite | 4.30 B | 2.45 J | 33.7 | <2.15 | <2.15 | -- | 95.4 | -- | 0.618 | <0.537 | 5.67 | 1.87 | 5.3 | 8.81 | -- | <0.0430 | 0.928 | 1.75 J | <2.15 | <1.07 | <2.15 | 30 | 65.1 |
| | | 3 | Composite | 4.25 B | 0.996 J | <4.98 | <2.49 | 2.21 J | -- | 127 | -- | 0.653 | 0.566 J | 22 | 5.16 | 14.6 | 25.5 | -- | 0.0887 | 1.1 | 14.9 | <2.49 | <1.24 | <2.49 | 39.4 | 68.2 |
| SS-8 | 5/5/2022 | 0.5 | Composite | 3.30 B | 3.26 J | 27.98 | <2.20 | <2.20 | -- | 91.2 | -- | 0.656 | -- | 5.76 | 3.33 | 12.4 | 4.06 | -- | <0.0439 | 1.14 | 2.08 J | <2.20 | <1.10 | <2.20 | 35.4 | 51.7 |
| | | 1.5 | Composite | 3.11 B J | 1.00 J | 6.13 | <2.25 | <2.25 | -- | 92.1 | -- | 0.609 | <0.563 | 5.55 | 1.91 | 5.63 | 21.2 | -- | 0.0623 | 1.04 | 2.62 | <2.25 | <1.13 | <2.25 | 24.9 | 59.2 |
| | | 3 | Composite | 4.03 B | 1.04 J | 3.45 | <2.42 | 3.15 | -- | 102 | -- | 0.346 | 0.574 J | 10.1 | 4.67 | 16.4 | 40.8 | -- | 0.107 | 1.08 | 12.1 | <2.42 | <1.21 | <2.42 | 21.9 | 71.2 |
| SS-9 | 5/5/2022 | 0.5 | Composite | 2.72 B J | 67.7 J | 1,226 | <2.18 | 27.9 | -- | 85.6 | -- | 0.103 J | 0.175 J | 7.82 | 3.39 | 9.52 | 5.56 | -- | 0.0340 J | 0.822 | 7.03 | <2.18 | <1.09 | <2.18 | 27.8 | 31.9 |
| | | | Discrete (SS-9A) | -- | -- | -- | -- | 17.7 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-9B) | -- | -- | -- | -- | 72.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 1.5 | Composite | 3.29 B | 0.884 J | 2.89 | 1.32 J | 10.3 | -- | 187 | -- | 0.178 J | 0.157 J | 17.2 | 10.8 | 11.9 | 13 | -- | 0.171 | 0.291 J | 11.9 | <2.30 | <1.15 | <2.30 | 46 | 29.2 |
| | | | Discrete (SS-9A) | -- | -- | -- | -- | 2.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | Discrete (SS-9B) | -- | -- | -- | -- | 54.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 3 | Composite | 2.89 B J | <4.57 | 1.7 | <2.28 | 2.08 J | -- | 96.2 | -- | 0.27 | 0.414 J | 7.5 | 4.2 | 9.28 | 42.5 | -- | 0.0485 | 0.843 | 9.05 | <2.28 | <1.14 | <2.28 | 17.1 | 44.5 |
| DTSC-Modified Screening Levels (1) (for human health risk pathway) For Residential or Commercial Land Use | | | | Not Established | | | 31 / 470 (EPA) | 0.11 / 0.36 | 5 mg/L | 15,000 / 220,000 (EPA) | 100 mg/L | 16 / 230 | 71 / 780 | 120,000 / 1,800,000 (EPA) (Cr-total) | 23 / 350 (EPA) | 3,100 / 47,000 (EPA) | 80 / 320 | 5 mg/L | 1.0 / 4.4 | 390 / 5,800 (EPA) | 820 / 11,000 | 390 / 5,800 (EPA) | 390 / 5,800 (EPA) | 0.78 / 12 (EPA) | 390 / 5,800 (EPA) | 23,000 / 350,000 (EPA) |
| Environmental Screening Levels (ESLs) (2) (for human health risk pathway) For Residential or Commercial Land Use (& for a construction worker) | | | | 430 / 2,000 / (1,800) | 260 / 1,200 / (1,100) | 12,000 / 180,000 / (54,000) | 11 / 160 (50) | 11.0 /11.0 (Bkg) 0.067 / 0.31 (2.0) | 5 mg/L | 15,000 / 220,000 (3,000) | 100 mg/L | 16 / 230 (27) | 78 / 1,100 (51) | 120,000 / 180,000 (Cr-total) (53,000) | 23 / 350 (28) | 3,100 / 47,000 (14,000) | 80 / 320 (160) | 5 mg/L | 13 / 190 (44) | 390 / 5,800 (1,800) | 820 / 11,000 (86) | 390 / 5,800 (1,700) | 390 / 5,800 (1,800) | 0.78 / 12 (3.5) | 390 / 5,800 (470) | 23,000 / 350,000 (110,000) |
| "Tier 1 ESL" (2) Lowest ESL(and basis) for All Possible Pathways & Land Uses (includes residential) | | | | 100 (O) | 260 (NC) | 5,100 (GC) | 11 (HH, resid) | 0.067 (HH, resid) | | 3,000 (HH, const) | | 16 (HH, resid) | 78 (HH, resid) | 120,000(Cr-total) (HH, resid) | 23 (HH, resid) | 3,100 (HH, resid) | 80 (HH, resid) | | 13 (HH, resid) | 390 (HH, resid) | 86 (HH, const) | 390 (HH, resid) | 390 (HH, resid) | 0.78 (HH, resid) | 390 (HH, resid) | 23,000 (HH, resid) |

***Notes***

| Cell Shading | = Indicative of an agency exceedance for a particurlar land use. |
|---|---|
| BOLD = | A bolden result indicates the metal was detected by the lab (i.e., detected above the *Reported Detection Limit* (RDL)). |
| BOLD = | Green shaded cell indicates the lab detciton was **above** the ESL or DTSC **Residential Land Use Threshol**d. |
| BOLD = | Red shaded cell indicates the lab detciton was **above** the ESL or DTSC **Commercial Land Use Threshol**d. |
| BOLD = | Yellow-shaded cell indicates the lab detciton was **above** the **Commercial Land Use** ESL, but below the ***Naturally Occuring (background)*** |
| BOLD = | Brown-shaded cell indicates the lab detciton was **above** the ESL **Construction Worker Threshold** |
| BOLD = | ADDITIONAL TEST for Landfill acceptance: Blue shaded cell incidcates the Soluble (STLC or TCLP) value exceeds Hazardous Waste Screening Threshold |

**1 =** **CA DTSC Soil Screening Levels:** From the California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note Number 3, Table 1, June 2020 <https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf >. **If no DTSC screening level is established then the corrisponding US EPA RSL is provided** (see below)**.**

**EPA =** **US EPA Region 9 Soil Regional Screening Levels (RSLs):** From *US EPA Regional Screening Levels for Soil* < https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables ) , last updated May 2021 using the Summary Table [based on Carcinogenic Target Risk (TR) =1E-6, Noncancer Hazard Index (HI) =1.0].

**2 =** **Environmental Screening Levels (ESLs):** Regional Water Quality Control Board (San Francisco Bay Region) guideline document: *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* (Final version, 2019). The ESLs are intended to provide quantitative risk-based guidance on whether further assessment or remediation of contamination is warranted <https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/new/ESL_Summary_Tables_24Jan19_Rev1.pdf >

The " **Tier 1 ESL**" =The most conservative *Environmental Screening Level* (ESL) across all potential pathways including leaching (L), human health (HH, typically for a residential land use) & odor/nuisance (O)). Note: ecolologic ("Terrestrial Habitat") is not included.

**RDL = Reported Detection Limit** = is the laboratory-determined value that is 2 to 5 times above the Method Detection Limit (MDL) that can be reproduced in a manner that results in a 99% confidence level and is both accurate and precise.

**Bkg= The background (bkg)** concentration of naturally-occurring Arsenic for the greater Bay Area is established as 11 mg/kg based on a 2011 study. The study determined background concentrations (99th percentile) of arsenic in the San Francisco Bay Region, including Santa Clara.
- Additional information at (http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/2011_Arsenic_Background_Duverge.pdf)
- See charts/calculation sheets for UCL-95 concentration of site specific arsenic concentrations.

**Cr-total=** Chromium's risk-based thresholds are based on Chromium III as there is no established threshold for Total Chromium. Total Chromium = Cr-III + Cr VI.

**= (C22-C32) + (C32-C40) = the hydrocarbon motor oil value

**ND =** Non Detection
**NE =** Not Established
**'-- =** Not Analyzed

**RDL =** **Reported Detection Limit** = is the laboratory-determined value that is 2 to 5 times above the Method Detection Limit (MDL) that can be reproduced in a manner that results in a 99% confidence level and is both accurate and precise.

**< =** A "less than" symbol indicates no detectable concentrations (i.e., the laboratory did not detect the contaminant at the concentration shown).
**B=** The same analyte is found in the associated blank
**I =** Laboratory reports that the detection value is between MDL and RDL, and should be considered an estimate.
**L =** Indicates the lowest ESL is based on a **potential Leaching pathway** (for groundwater protection).
**HH, resid =** Indicates the lowest ESL is based on a **potential Human Health & Safety Pathway** for Residential Land Use (i.e, ingestion, inhalation, dermal).
**O =** Indicates the lowest ESL is based on a **potential "odor nuisance"** (i.e. 100 mg/kg for gasoline).

Table 2

## Summary of Active Soil Vapor Analytical Results

**Volatile Organic Compounds**

**113 Lincoln Street, Santa Cruz**

*All vapor sample results are in micrograms per meter cubed (ug/m$^3$)*

| Sample Information | | | Volatile Chemicals of Potential Concern (COPCs) (Volatile Organic Compounds by EPA Method TO-15) | | | | | | | | Other Volatile Compounds (Common Urban Compounds) | Field Leak Check Monitoring (Isopropyl Alcohol) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Chlorinated Solvent Compounds | | | Volatile Petroleum Hydrocabons (gasoline) & Volatile Constituent Compounds | | | | | | | | |
| Sample Date | Sample Depth (ft, bgs) | Sample ID# | PCE (Tetrachloroethene) | TCE (Trichloroethene) | cis-1,2-DCE | TPH-Gasoline | Benzene | Ethylbenzene | Toluene | Xylenes | | Field Shroud Concentration (avg., in ppm) | Laboratory Results (in ug/m3) | Calculated Leakage (percent, %) |
| Phase II Property Screening Investigation 5/6/2022 | 5-ft | SV-1 | 5.6 | < 3.3 | < 3.3 | 650 | 4.1 | 11 | 9.7 | 45 | Cyclohexane = 51<br>1,2-Dibromoethane = 60<br>Dichlorodifuoromethane = 2.2<br>1,2-Dichloroethane = 15<br>Ethanol = 18<br>Methyl ethyl ketone = 9.5<br>Trichlorofluoromethane = 1.3 | 124.1 | 5.7 | 0.04 |
| | | SV-2 | < 160* | < 170* | < 100 | 100,000,000[A] | < 66* | < 100* | 160 J | < 290* | Cyclohexance = 350 J<br>Propylene = 110 J | 108.8 | < 630 | 0.04 |
| | | SV-3 | 9.8 | 0.86 | < 3.2 | 980 | 0.86 | < 8.0 | 3 | 3.8 | Cyclohexane = 53<br>Dichlorodifluoromethane = 2.6<br>Hexane = 0.82<br>Methyl ethyl ketone = 3.7<br>Trichlorofluoromethane = 1.4 | 244.3 | 13 | 0.04 |
| | | SV-4 | 4.6 | 2.2 | < 3.3 | 3,700 | 2.2 | 0.95 | 3.4 | 5.5 | Cyclohexane = 98<br>Dichlorodifluoromethane = 2.5<br>Hexane = 1.7<br>Methyl ethyl ketone = 6.7<br>Propylene = 11<br>Trichlorofluoromethane = 1.4 | 173.3 | 10 | 0.04 |
| | | SV-5 | 2.9 | 9.6 | < 4.0 | 1,100 | 3 | < 10 | 3.8 | 1.8 | Cyclohexane = 290<br>Dichlorodifluormethane = 2.4<br>Hexane = 3.7<br>Methyl ethyl ketone = 4.9<br>Propylene = 4.4<br>Trichlorofluoromethane = 1.5 | 205.2 | 2.3 | 0.00 |
| | | SV-6 | 8.4 | < 4.2 | < 4.2 | 190 | 0.71 | < 10 | 1.3 | < 21 | Cyclohexane = 11<br>Dichloofluoromethane = 2.6<br>Mehtyl ethyl ketone = 3.4<br>Propylene = 4.2<br>Trichlorofluoromethane = 1.4 | 166.3 | 2.5 | 0.00 |
| | | SV-7 | 29 | 6 | < 3.2 | 900 | 1.4 | < 8.0 | 3.1 | < 16 | Cyclohexane = 360<br>Dichlorodifluoromethane = 2.5<br>Hexane = 3.9<br>Methyl ethyl ketone = 1.2<br>Propylene = 8.9<br>Trichlorofluoromethane = 3.9 | 267.1 | 2.9 | 0.04 |
| | | SV-8 | 2.1 J | 5 | < 3.3 | 1,100 | 0.86 J | < 8.2 | 2.5 | 3.8 | Cyclohexane = 55<br>Dichlorodifluoromethane = 2.2 J<br>Hexane = 0.61 J<br>Methyl ethyl ketone = 1.3 J<br>Trichlorofluoromethane = 1.3 J | 267.2 | 53 | 0.040689 |
| | | SV-9 | 2.3 J | 30 | < 3.0 | 3,200 | 4.8 | 1.0 | 10 | 4.6 | Cyclohexane = 420<br>Difluoromethane = 2.2 J<br>Ethanol = 10<br>Hexane = 5.6 J<br>Methyl ethyl ketone = 2.1 J<br>Propylene = 1.1 J<br>Trichlorofluoromethane = 2.7 J | 188 | 2,100 | 0.04 |
| DTSC-Modified Soil Gas Screening Levels (SLs) [1] Residential / Commercial Land Use | | | 15 / 67 | 16 / 100 | 280 / 1200 | 20,000 / 83,000 | 3.2 / 14 | 37 / 160 | 10,000 / 44,000 | 3,500 / 15,000 | Varies (no exceedances) | | | |
| RWQCB (Water Board) Environmental Screening Levels (ESLs) [2] Residential / Commercial Land Use | | | | | | | | | | | | | | |

See Notes on following Page

**Table 2**

## Summary of Active Soil Vapor Analytical Results

**Volatile Organic Compounds**

**113 Lincoln Street, Santa Cruz**

*All vapor sample results are in micrograms per meter cubed (ug/m$^3$)*

| *Sample Information* | | | *Volatile Chemicals of Potential Concern (COPCs)* *(Volatile Organic Compounds by EPA Method TO-15)* | | | | | | | | *Other Volatile Compounds* *(Common Urban Compounds)* | Field Leak Check Monitoring (Isopropyl Alcohol) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *Chlorinated Solvent Compounds* | | | *Volatile Petroleum Hydrocabons (gasoline) & Volatile Constituent Compounds* | | | | | | | | |
| *Sample Date* | *Sample Depth (ft, bgs)* | *Sample ID#* | *PCE (Tetrachloroethene)* | *TCE (Trichloroethene)* | *cis-1,2-DCE* | *TPH-Gasoline* | *Benzene* | *Ethylbenzene* | *Toluene* | *Xylenes* | | Field Shroud Concentration (avg., in ppm) | Laboratory Results (in ug/m3) | Calculated Leakage (percent, %) |

***Notes***

***1 =*** ***California DTSC Soil Vapor Screening Levels (SL)*** **:** **<** https://dtsc.ca.gov/wp-content/uploads/sites/31/2022/02/HHRA-Note-3-June2020-Revised-May2022A.pdf **>.**
These human health-based cleanup goals are established by the California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO) in their guideline and summary lookup tables (*Human Health Risk Assessment (HHRA) Note Number 3,* Table 1, **June 2020 revised May 2022**). The soil vapor thresholds ar based on a Vapor Attenuation Factor of 0.03.

**2 =** ***Environmental Screening Levels*** **(ESLs):** < https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html>
- Note: the most current ESLs soil gas thresholds for subslab and soil vapor sampling are identical to the DTSC *Soil Vapor Screening Levels* (SLs) described above, and were therefore not replicated as a separate line.
Source: The Regional Water Quality Control Board (San Francisco Bay Region) guideline document: *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* (**Final version, 2019**).

| | |
|---|---|
| **BOLD =** | A bolden concentration indicates the laboratory detected the contaminant at the concentration shown. |
| **BOLD =** | Green-shaded cell indicates the lab result concentration exceeds the residential screening threshold limit (US EPA RSL, Califorinia DTSC or RWQCB ESL threshold.) |
| **BOLD =** | Red-shaded cell indicates the lab result concentration exceeds the commercial screening threshold limit (US EPA RSL, Califorinia DTSC or RWQCB ESL threshold.) |

*= Method Detection Limit (MDL) used due to elevated PQL and MDL limits from dilution of sample.

**PCE =** Tetrachloroethene **cis-1,2-DCE =** cis-1,2-Dichloroethene

**TCE =** Trichloroethene

**RL =** **Reporting Limit (RL)** (aka: the Pr*actical Quantitation Limit, PQL).* The laboratory generally sets the RL/PQL limits at 2 to 5 times greater than the MDL. Anything that the lab reports above this level *is defensible as 99.5% actual concentration found for that sample analyzed* .

**MDL =** **Method Detection Limit (MDL)** (aka: the Detection Limit, DL): The MDL is a statistically derived value which represents the lowest concentration that can be *detected by a laboratory within a 99% confidence level of presence* . This level is considered to be an estimated value so if detected above the MDL (but below the RL), then it is flagged with a "J-flag" to indicate an estimated value. Non-detects are reported down to the MDL's (i.e., < 8.5).

**J =** This **"J-Flag"** is a lab-reported value that is detected at a concentration that is below the laboratory's RDL but above the MDL - the detection is considered an accurate detectionof the compound, but it is an estimated value.

**< X =** Constituent not detected above laboratory's Method Detection Limit (MDL), X.

**A =** Laboratory confirmed that this elevated detection of TPH-Gas is due to high concentrations of Pinene, and some Camphor, and D-limonene found in the sample as they fall into the "gasoline" range. These chemicals are commonly associated with natural oil/extracts from natural plants and trees. This property has historically been utilized for the weekly farmers market for a very long time, and its likely that a concentrated bottle of natural extracts was spilled at this location producing this false TPH-Gas detection.

Table 3

# Groundwater Results: Summary of Analytical Lab Data

## Total Petroleum Hydrocarbons - Volatile Organic Compounds

## 113 Lincoln Street, Santa Cruz

*All groundwater results are in micrograms per liter (ug/L)*

| Sample Information | | | Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 | Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Volatile Fuel Constituent Compounds | | | | | Solvent Compounds | | | Other VOC's |
| Sample ID | Sample Date | Depth To Water (feet bgs) | TPH GASOLINE (C5 - C12) | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | PCE | TCE | cis-1,2-DCE | |
| GW-1 | May 5, 2022 | 10.3 | **50.7 B J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | All Other VOCs = ND |
| GW-2 | | 11.1 | **52.3 B J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | All Other VOCs = ND |
| GW-3 | | 9.4 | **59.6 B J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **0.176 J** | All Other VOCs = ND |
| GW-4 | | 10.1 | **59.4 B J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **0.952 J** | trans-1,2-dichloroethene = 0.183 J<br>All Other VOCs = ND |
| GW-5 | | 9.1 | **56.1 B J** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **0.320 J** | All Other VOCs = ND |
| ***Water Quality Goals (WQG)*** (1)<br>*( *= Human Health ESL if no MCL established)* | | | 760*<br>(human health) | 1 | 150 | 300 | 1,750 | 13 | 5 | 5 | 6 | Varies |
| ***Environmental Screening Levels (ESLs)*** (2)<br>**Tier 1 (worst case) concentration (& ESL pathway)** | | | 100*<br>(odor nuisance) | 0.42<br>(vapor intrusion) | 40<br>(odor nuisance) | 3.5<br>(vapor intrusion) | 20<br>(odor nuisance) | 5<br>(odor nuisance) | 0.64<br>(vapor intrusion) | 1.2<br>(vapor intrusion) | 6<br>(MCL) | Varies |

(see next page for table notes)

***Notes:***

1 = ***Water Quality Goals*** **(WQGs):** The listed ***Water Quality Goals*** listed are based of ***Maximum Contaminant Levels (MCLs)*** - see note below. However, if a MCL does not exist for a constituent, the listed WQG is based on ***Environmental Screening Levels (ESLs)*** - constituents with a WQB based on an ESLs are identified with an asterisk ( "(*)", see note below.

**Maximum Contaminant Levels (MCLs):** < https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.html >. **MCL's** are drinking water standards established in Title 22 of the California Code of Regulations for safe water coming from a tap or a drinking water aquifer. If no MCL is available the corresponding ***Environmental Screening Level (ESL, below)*** **health based pathway** will be used in its place.

2 = ***Environmental Screening Levels*** **(ESLs):** < https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html> The ESLs are agency-stablished threshold concentrations intended to provide quantitative risk-based guidance on whether further assessment or remediation of contamination is warranted based on risk pathways (protection of human heath, groundwater and/or ecological). Source: The Regional Water Quality Control Board (San Francisco Bay Region) guideline document: Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater (Final version, 2016).

100 = **Laboratory detected concentration is equal to or greater than the Water Quality Goal.**

** = C22-C32 is the carbon chain range established for Motor Oil-range petroleum hydrocarbons. The C32-C40 range is for residual oils (asphalt

< X = Constituent *not detected* above the laboratory-*Reported Detection Limit (RDL* , X). Refer to laboratory reports for

RDL = **Reported Detection Limit** = is the laboratory-determined value that is 2 to 5 times above the Method Detection Limit (MDL) that can be reproduced in a manner that results in a 99% confidence level and is both accurate and precise (based on Laboratory's Blank (QA/QC).

MDL = **Method Detection Limit** - The minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

J = This **"J-Flag"** is a lab-reported value that is detected at a concentration that is below the laboratory's RDL but above the MDL - the detection is considered an accurate detection of the compound, but it is an estimated value.

B = The same analyte is found in the associated blank

***ug/L*** = micrograms per liter - parts per billion.

**bgs=** **b**elow **g**round **s**urface.

**TCE =** Tri-chloroethene

**PCE =** Tetra-chloroethene

**cis-1,2 DCE =** cis-1,2 Dichloroethene

# APPENDIX A

## COLLECTED PHASE I ESA INFORMATION

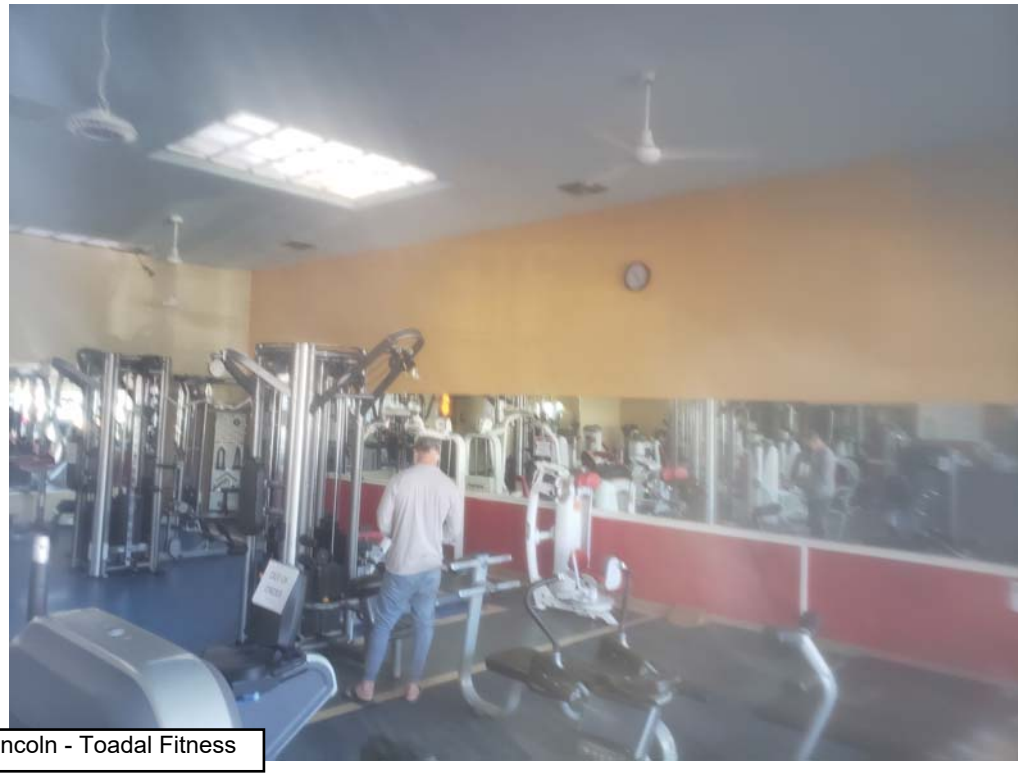
**Site Inspection Checklist with Photo Sheets**

**Land Use Questionnaire**

**Interviewing Documentation**

Lincoln Street - Commercial building across street from Site. Former location of 108 Lincoln Street (Royal Dry Cleaners 1960 - 1987)

113 Lincoln Street - Subject Site - only building on Site, operating as fitness gym.



Interior views of 113 Lincoln - Toadal Fitness

Men/Women locker rooms

Shower drains - only floor drains observed

Remainder of Site is parking lot

Adjoining commercial buildings to the east

Church across Cedar Street on West

Aerial views of Site

Weber, Hayes & Associates
*Hydrogeology and Environmental Engineering*
120 Westgate Drive, Watsonville, CA 95076
(831) 722-3580 // www.weber-hayes.com

*Phase I Environmental Site Assessment*

# Site Inspection Checklist

**Objective: To visually evaluate and document the extent of the target property(ies) for the likely presence of *recognized environmental conditions*. Photodocumentation gathered during the site inspection are appended at the end of this form.**

**Site/Facility Name**: _____

**Site Address**: 113 Lincoln Street & City Parking Lot

**Site Contact**: _____

1. **Current Uses of the Property:** *To include (1) general description of the facility & commercial or industrial processes therein, (2) topography, (3) site improvements [# of buildings, size/age/condition], (4) occupants/vacancies and the nature of business operations, and (5) any indications of past site use.*

Site is largely flat downtown property with City Parking Lot and small concrete on slab commercial building. Building is occupied by a fitness/gym business (Toadal Fitness). Site is largely encapsulated by the asphalt parking lot and single commercial building. Toadal Fitness building is comprised of locker/shower rooms for both men and women and open space for gym equipment. No bulk chemical storage and no indication of any significant spills or staining observed. The city parking lot is mostly asphalt with some limited landscaping areas. Some mild staining was observed across the parking lot, but appeared in relatively good condition. Locker room/shower room contains two floor drains each (men/women).

Project #: _____2-9-22_____

Date: _____

Inspector: _____

| 2. **Site Infrastructure:** | Yes | No | Notes: |
|---|---|---|---|
| ▪ Any wells, water tanks or water towers? | ☐ | X | |
| ▪ Boiler rooms? | ☐ | X | |
| ▪ Electrical transformers? | ☐ | ☐ | |
| ▪ Septic System? | ☐ | X | |
| ▪ Drainage wells or dry wells? | ☐ | X | |

*Note observations and data for heating sources, water supply source(s), solid waste disposal and electrical systems.*

Site is located downtown Santa Cruz, and most utilities are buried underground. Site is serviced by City of Santa Cruz for water and sewer, and PG&E for electrical. No overhead lines observed.

| 3. **Evidence of Hazardous Materials Storage & Use** *(check appropriate):* | Yes | No |
|---|---|---|
| ▪ Haz-mat storage area(s)? Location? | ☐ | X |
| ▪ Abandoned drums or containers? | ☐ | X |
| ▪ Aboveground Storage Tanks? | ☐ | X |
| ▪ Underground Storage Tanks? | ☐ | X |
| ▪ Fuel or Chemical Dispensing Equipment or vent piping? | ☐ | X |
| ▪ Pools of liquid? Characteristics? | ☐ | X |
| ▪ Sumps, oil/water separators and collection pits? | ☐ | X |
| ▪ Unusual Odors, staining or distressed vegetation? | ☐ | ☐ |

Project #: _____2-9-22_____

Date: _____

Inspector: _____

No bulk chemical storage or use observed or reported on Site. Only small household sized chemicals for general cleaning and laundry.

**4. Exterior Observations**:

| | Yes | No |
|---|---|---|
| ▪ Exterior surface coverings? *(describe condition, type, % native soils)* | ☐ | ☐ |
| ▪ Paving patches/staining? | X | ☐ |
| ▪ Manholes/utility covers? | ☐ | ☐ |
| ▪ Any stacks or HVAC units visible on roof? | X | ☐ |
| ▪ Mounds or depressions? | ☐ | X |
| ▪ Do surface water catch basins drain? | X | ☐ |
| ▪ Any ditches or drainages? *(If flow is present, identify the source)* | ☐ | X |

Site parking lot contains stormwater system along the street. Some patching and staining observed across the parking lot. HVAC units observed on the commercial building.

Project #: _____2-9-22_____

Date: _____

Inspector: _____

| 5. **Interior Observations**: | Yes | No |
|---|---|---|
| ▪ Maintenance Areas? | ☐ | X |
| ▪ Hydraulic equipment? | ☐ | X |
| ▪ Interior floor staining, cracking or patching? | ☐ | X |
| ▪ Interior floor drains? Outlet Sump? | X | ☐ |
| ▪ Interior floor integrity (good, satisfactory or poor)? | X | ☐ |

Two floor drains in each men/womens shower/locker room. Interior appeared to be in relatively good condition. Floor appeared in good condition.

**6. Describe Adjoining Site Land Uses and Note Any Areas of Concern:**

North -parking lot/commercial – Lincoln Street

East – Commercial Buildings

South – Commercial – Cathcart Street

West – Church – Cedar Street

**7. Any inaccessible Areas of the Property:**

No

ADDITIONAL INFORMATION OBTAINED & UTILIZED DURING SITE INSPECTION

Project #: _____2-9-22_____

Date: _____

Inspector: _____

| | Yes | No |
|---|---|---|
| **Photo Sheets** | ☐ | ☐ |
| **Hazardous Materials Management Plans (HMMP)** | ☐ | ☐ |
| **Permits** | ☐ | ☐ |
| **Previous Reports/Inspections** | ☐ | ☐ |
| **Other** | ☐ | ☐ |
| | ☐ | ☐ |

Project #: _____2-9-22_____

Date: _____

Inspector: _____

**Weber, Hayes & Associates**
***Hydrogeology and Environmental Engineering***
120 Westgate Drive, Watsonville, CA 95076
(831) 722-3580 // www.weber-hayes.com

*Phase I Environmental Site Assessment*
# User/Client Questionnaire

**Overview:** *Phase I Environmental Site Assessment (ESA)* standards[1] require that the party requesting this ESA (i.e., the **"user",** or **client**), make a good faith effort to provide and/or obtain the following disclosure items, which are generally available during the property transaction escrow process:

- Reason for contracting this Phase I ESA
- Knowledge of any environmental leans or agency restrictions on the property
- Specialized knowledge of the property
- Any discounts to the property fair-market value associated with chemical spills or releases
- Commonly known ("reasonably ascertainable") information regarding chemical storage/use
- Available environmental reports

***Please provide the following information to the best of your ability.***

**Site/Facility Name**: **113 Lincoln Street & City Parking Lot** (2 parcels- 1.53 acres combined)

**Site Address**: [Santa Cruz County APNs 005-141-21, -11]

**Name/Title**: _____

[1]: ASTM Standard E 1527-05 and EPA All Appropriate Inquiries (AAI) guidelines,

## 1. Reason for Performing this ESA *(check appropriate):*

☐ Lender: Property sale requirement for lender

☐ Buyer: Due diligence property screening by buyer.

☐ General Liability: "Landowner Liability Protections" (LLPs) as per Federal environmental laws

☐ Personal Comfort Level: Better understanding of land uses & potential environmental liabilities

☒ Other: Parcels are identified for a Redevelopment Project

## 2. Environmental Cleanup Liens *(check appropriate):*

**Yes** ☐ **No** ☒ Are you aware of any ***environmental liens*** placed on the property by a regulatory agency (Federal, State or Local)?

**If yes, please provide details:**

## 3. Land-Use Limitations (check appropriate):

**Yes** ☐ **No** ☒ Are you aware of any ***"Activity Land-Use Limitations"*** *(AULs)* placed upon the Site by Federal, State or Local regulatory agencies such as engineering or institutional controls?

**If yes, please provide details:**

## 4. Specialized Knowledge of the User/Client (check appropriate):

As the person or entity requesting this *Phase I ESA* ("user"), do you have any specialized knowledge or experience pertaining to the subject Site or nearby/adjoining property that would give you distinct knowledge of chemical usage and/or industrial processes at the subject Site?

**Yes** ☐ **No** ☒ Are you a current or former occupant of the Site? Current

**Yes** ☐ **No** ☒ Are you involved in the same type of business/industry, and are familiar with commercial/industrial processes or chemical storage

**If yes, please provide details:**

## 5. Comparison of Purchase Price to Fair Market Value (check appropriate):

To the extent of your knowledge, does the requested purchase price of the subject Site reflect the fair market value of the property? If a discrepancy is present, have you considered whether the lower purchase price is due to environmental contamination believed to be or known to be present at the Site?

**Yes** ☐ **No** ☒ Does the property purchase price reflect a discounted value relative to fair market value?

**Yes** ☐ **No** ☒ If the property is being sold below fair market value, is the reason attributed to a known/perceived chemical release (i.e., contamination)

**If yes, please provide details:**

## 6. "Reasonably Ascertainable Information" (brief description):

Are you aware of any ***commonly known*** or ***reasonably ascertainable information*** pertaining chemical storage/usage on the subject Site? Specifically:

**a) Prior Land Use(s):** Do you know previous land use(s) at the subject Site (land uses/businesses)?

Current use of City Public Parking Lot and Commercial Building.

**b) Chemical Use or Storage**: Do you know of any current or historical use/storage/generation of chemicals, fuels, or hazardous waste at the subject Site?

No known

**c) Chemical Releases**: Are you aware of any reported or unreported chemical spills or releases that occurred at the subject Site? *[Current or Historical]*

No known

d) **Environmental Clean-ups**: Are you aware of any reported or unreported environmental cleanups that have occurred at the subject Site? *[Current or Historical]*

No known

## 7. Degree of Obviousness of Contamination:

Based on your knowledge of the property, are you aware of any obvious indicators that would suggest the presence (or likely presence) of contamination at the subject Site?

No known

## 8. Helpful Documents: Are you aware of existing reports (listed below) for the subject Site?

| Yes | No | |
|---|---|---|
| ☐ | ☒ | Previous Phase I or Phase II ESAs |
| ☐ | ☒ | *Hazardous Materials Management Plans* (HMMPs) or Chemical Storage Inventories |
| ☐ | ☒ | Industrial Stormwater Monitoring Plans/Reports (SWPPPs or compliance reports) |
| ☐ | ☒ | Permitting or Documentation re: Aboveground or Underground Storage Tanks |
| ☐ | ☒ | Hazardous Waste Generator notices, disposal manifests, or compliance reports |
| ☐ | ☒ | Regulatory directives or *No Further Action (NFA) l*etters. |

If yes to any of the above, please provide details (year, author/consultant if possible):

Additional comments to elaborate on answers (if needed):

No known past uses or current uses that would indicate contamination on either site.

***To the best of my knowledge I attest that the above information is true:***

Signature: _____ Date: 2/8/2022

Printed Name: Brian Borguno

Title: Development Manager - City of Santa Cruz Economic Development Dept.

**Reference: Information & Definitions**

As per **ASTM** ***Standard E 1527-05*** **and EPA** ***All Appropriate Inquiries*** **(AAI)**

**"USER":** The ***user*** (i.e. the party requesting this Phase I ESA), is required to provide a short list of items that are more readily available to the parties involved with the property transaction. This information is used to support the case for the *user* of the ESA to qualify for one of the *landowner liability protections* (LLPs) defenses under Federal environmental law.

# APPENDIX B

## HISTORICAL RESEARCH REPORTS (EDR)

**City Directory Listings**

**Aerial Maps**

**Sanborn Maps**

**Historical Topo Maps**

**2T158 Downtown Library ESA**
113 Lincoln Street
Santa Cruz, CA 95060

Inquiry Number: 6833160.5
January 31, 2022

# The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

## TABLE OF CONTENTS

**SECTION**

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2017 | ☑ | ☑ | EDR Digital Archive |
| 2014 | ☑ | ☑ | EDR Digital Archive |
| 2010 | ☑ | ☑ | EDR Digital Archive |
| 2005 | ☑ | ☑ | EDR Digital Archive |
| 2000 | ☑ | ☑ | EDR Digital Archive |
| 1995 | ☑ | ☑ | EDR Digital Archive |
| 1992 | ☑ | ☑ | EDR Digital Archive |
| 1987 | ☑ | ☑ | Polk's City Directory |
| 1980 | ☑ | ☑ | Polk's City Directory |
| 1975 | ☑ | ☑ | Polk's City Directory |
| 1971 | ☑ | ☑ | Polk's City Directory |
| 1964 | ☑ | ☑ | Polk's City Directory |
| 1960 | ☑ | ☑ | Polk's City Directory |

## FINDINGS

**TARGET PROPERTY STREET**

113 Lincoln Street
Santa Cruz, CA 95060

| *Year* | *CD Image* | *Source* |
|---|---|---|
| **LINCOLN ST** | | |
| 2017 | pg A1 | EDR Digital Archive |
| 2014 | pg A3 | EDR Digital Archive |
| 2010 | pg A5 | EDR Digital Archive |
| 2005 | pg A7 | EDR Digital Archive |
| 2000 | pg A9 | EDR Digital Archive |
| 1995 | pg A11 | EDR Digital Archive |
| 1992 | pg A13 | EDR Digital Archive |
| 1987 | pg A15 | Polk's City Directory |
| 1980 | pg A17 | Polk's City Directory |
| 1980 | pg A18 | Polk's City Directory |
| 1975 | pg A21 | Polk's City Directory |
| 1975 | pg A22 | Polk's City Directory |
| 1971 | pg A25 | Polk's City Directory |
| 1971 | pg A26 | Polk's City Directory |
| 1964 | pg A29 | Polk's City Directory |
| 1960 | pg A32 | Polk's City Directory |
| 1960 | pg A33 | Polk's City Directory |



## FINDINGS

**CROSS STREETS**

| *Year* | *CD Image* | *Source* |
|---|---|---|
| **PACIFIC AVE** | | |
| 2017 | pg. A2 | EDR Digital Archive |
| 2014 | pg. A4 | EDR Digital Archive |
| 2010 | pg. A6 | EDR Digital Archive |
| 2005 | pg. A8 | EDR Digital Archive |
| 2000 | pg. A10 | EDR Digital Archive |
| 1995 | pg. A12 | EDR Digital Archive |
| 1992 | pg. A14 | EDR Digital Archive |
| 1987 | pg. A16 | Polk's City Directory |
| 1980 | pg. A19 | Polk's City Directory |
| 1980 | pg. A20 | Polk's City Directory |
| 1975 | pg. A23 | Polk's City Directory |
| 1975 | pg. A24 | Polk's City Directory |
| 1971 | pg. A27 | Polk's City Directory |
| 1971 | pg. A28 | Polk's City Directory |
| 1964 | pg. A30 | Polk's City Directory |
| 1964 | pg. A31 | Polk's City Directory |
| 1960 | pg. A34 | Polk's City Directory |
| 1960 | pg. A35 | Polk's City Directory |
| 1960 | pg. A36 | Polk's City Directory |

## City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
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### LINCOLN ST 2017

| | |
|---|---|
| 103 | ASANA TEA CAFE |
| | CAFE GRATITUDE |
| 105 | DONG, HARRY |
| 106 | TRUE OLIVE CONNECTION THE |
| 113 | TOADAL FITNESS |
| 202 | JACKS HAMBURGERS |
| 208 | COX, ALLISON C |
| | MUNOZ, IVONNE |
| 210 | NICKELODEON THEATRE |
| 220 | HOPE SERVICES |
| 304 | NAVIGATOR HOLDINGS LLC |
| 306 | BENETUA-ROLENS, JACQUIE |
| 312 | FREEFIND |
| 315 | KENNEY, JOAN B |
| 316 | CARRANCO, MIGUEL |
| | MENDOZA, DANIEL |
| | MIRANDA, JOSE |
| | ROBLES, REBECCA L |
| | SCHIFFMAN, BETTINA J |
| | VANN, JOELLE |
| 317 | ROEVEKAMP, JOHN D |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## PACIFIC AVE 2017

| | |
|---|---|
| 1120 | LA PLAYA |
| 1121 | NEW LEAF COMMUNITY MARKETS |
| | SACNAS |
| 1122 | SANTA CRUZ JEWELERS |
| 1123 | SHOGUN JAPANESE RESTAURANT |
| 1125 | GO ASK ALICE |
| | PACIFIC AVENUE PROPERTIES |
| 1126 | CAFE DELMARETTE |
| 1128 | BANK OF AMERICA ATM |
| | WORLD MARKET BAZAAR |
| 1129 | COLD STONE CREAMERY |
| 1130 | CAFE CAMPESINO |
| | ECO GOODS |
| 1133 | SITAR INDIAN CUISINE |
| 1134 | NEW LEAF COMMUNITY MARKETS |
| 1200 | ATACK & PENROSE LLP |
| | BAIL BONDS |
| | FORTYTHREE |
| | FULLPOWER TECHNOLOGIES |
| | STEVEN D PENROSE ATTORNEY AT LAW |
| | XXI FOREVER |
| 1201 | OM GALLERY |
| 1203 | PACIFIC COOKIE COMPANY |
| 1205 | GOOD TIMES |
| | HIHN REALTY |
| 1207 | JOES PIZZA & SUBS |
| 1209 | RETROUVAILLE MARRIAGE HELP |
| 1213 | GAP |
| 1220 | ROSIE MCCANNS |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 2014

| | |
|---|---|
| 103 | CAFE GRATITUDE |
| 104 | NUT KREATIONS |
| 105 | BRISTOL, DALYN D |
| | DONG, HARRY |
| 106 | TRUE OLIVE CONNECTION THE |
| 113 | TOADAL FITNESS |
| | TOTAL FITNESS |
| 202 | JACKS HAMBURGERS |
| 208 | COX, ALLISON C |
| | LARKINS, MICHAEL G |
| | MUNOZ, IVONNE |
| | OCCUPANT UNKNOWN, |
| 210 | DEL MAR THEATRE |
| | NICKELODEON THEATRE |
| 214 | HOHENSEE, MICHELLE |
| 216 | TWOHIG, PATRICK M |
| 220 | GOODYEAR TIRE CENTER |
| | HOPE SERVICES |
| 306 | OCCUPANT UNKNOWN, |
| 312 | FREEFIND |
| 314 | PHILLIPS, JOHN H |
| 315 | KENNY, JOAN B |
| | OHEARN, MICHAEL J |
| 316 | AQUINO, ANTONIO F |
| | JACKSON, CHRISTOPHER C |
| | NOROYAN, RICHELLE A |
| | SCHIFFMAN, BETTINA J |
| 317 | GLICK, BERT J |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## PACIFIC AVE 2014

| | |
|---|---|
| 1120 | LA PLAYA |
| 1122 | SANTA CRUZ JEWELERS |
| 1123 | SHOGUN JAPANESE RESTAURANT |
| 1126 | CAFE DELMARETTE |
| 1128 | JADE |
| 1129 | COLD STONE CREAMERY |
| 1130 | CAFE CAMPESINO |
| | ECO GOODS |
| 1133 | SITAR INDIAN CUISINE |
| 1134 | NEW LEAF COMMUNITY MARKETS |
| 1200 | ATACK & PENROSE LLP |
| | CITRYX |
| | DETERMINISTIC NETWORKS INC |
| | FORTYTHREE |
| | FULLPOWER TECHNOLOGIES |
| | FULLPOWER TECHNOLOGY |
| | ROBERT VARICH ALLSTATE INSURANCE A |
| | SHELDON WISEMAN COMMERCIAL REAL ESTA |
| | XXI FOREVER |
| 1201 | OM GALLERY |
| 1203 | PACIFIC COOKIE COMPANY |
| 1205 | GOOD TIMES |
| | HIHN REALTY |
| 1207 | JOES PIZZA & SUBS |
| 1209 | RETROUVAILLE MARRIAGE HELP |
| 1213 | GAP |
| 1220 | ROSIE MCCANNS |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 2010

| | |
|---|---|
| 103 | ASANA |
| 104 | VICTORIAS DANCE & COSTUME |
| 105 | DONG, HARRY |
| | JANSSENS, STEVEN |
| | TORRES, TOM M |
| 113 | TOADAL FITNESS |
| 202 | JACKS HAMBURGERS |
| 208 | MUNOZ, IVONNE |
| | OCCUPANT UNKNOWN, |
| 210 | NICKELODEON THEATRE |
| 216 | TWOHIG, PATRICK M |
| 220 | HOPE SERVICES |
| 304 | A GAVIN MC CLURE INC |
| 306 | OCCUPANT UNKNOWN, |
| 312 | FREE FIND |
| 314 | OTTENHEIMER, DAVI B |
| 315 | KENNEY, JOAN B |
| | OHEARN, MICHAEL J |
| 316 | AQUINO, ANTONIO |
| | ARMSTRONG, MATTHEW D |
| | BAXTER, J |
| | JACQUES, CHARMAINE C |
| | METCALFE, KAYLIA |
| | SCHIFFMAN, T |
| 319 | AVILA, VIRGINIA |
| | FERGUSON, SILVIA J |
| | FLINT, ALEXIS S |
| | JONES, TAMARA D |
| | PINCUS, DANIEL |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## PACIFIC AVE 2010

| | |
|---|---|
| 1120 | LA PLAYA |
| 1121 | INTERNATIONAL NETWORK SVC |
| 1122 | SANTA CRUZ JEWELERS & GIFT |
| 1123 | SHOGUN JAPANESE RESTAURANT |
| 1125 | SKATEWORKS |
| 1128 | JADE |
| 1129 | COLD STONE CREAMERY |
| 1130 | CAFE CAMPESINO |
| | ECO GOODS |
| 1133 | ROYAL TAJ INDIA CUISINE |
| | SITAR INDIAN CUISINE |
| 1134 | NEW LEAF COMMUNITY MARKETS |
| 1200 | ALLSTATE INSURANCE |
| | ALLSTATE INSURANCE CO |
| | BORDERS |
| | CITRYX |
| | COMCOURSE |
| | COUNTRYWIDE HOME LOANS |
| | DETERMINISTIC NETWORKS INC |
| | FULLPOWER TECHNOLOGIES |
| | SHELDON WISEMAN COML RL EST |
| | THOITS INSURANCE |
| | WELLS FARGO |
| | ZANGLE COM |
| | ZENITH INSURANCE |
| 1201 | OM GALLERY |
| 1203 | PACIFIC COOKIE CO |
| 1205 | ENCRYPTED COMMERCE |
| | GOOD TIMES |
| | HARBOURTON ENTERPRISES |
| | HIHN REALTY |
| | ICEDOWN PRODUCTIONS INC |
| | JADICK DANIEL |
| | WITTBRODT, DAVE |
| 1209 | RETROUVAILLE MARRIAGE HELP |
| 1220 | ROSIE MC CANNS IRISH PUB |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 2005

| | |
|---|---|
| 103 | DONBO UDON |
| 105 | DONG, HARRY |
| 106 | ICARUS CASUAL CLOTHING CO |
| | SUPER SILVER SANTA CRUZ |
| 113 | TOADAL FITNESS |
| 202 | JACKS HAMBURGERS |
| 208 | HARWOOD, RACHEL |
| | MUNOZ, IVONNE |
| | ODRISCOLL, COLLEEN A |
| 210 | NICKELODEON THEATRE |
| 220 | A1 AMERICAN CAMPER SHELLS |
| | J V TIRE & AUTO SERVICE |
| | JV TIRE & AUTO SERVICE |
| 304 | MCCLURE A GAVIN |
| 306 | OBRYAN, HILARY |
| 312 | ALLTERRA ENVIRONMENTAL |
| | GEO IMAGING |
| | SANTA CRUZ GAMES LLC |
| | T P L MANAGEMENT |
| 314 | OTTENHEIMER, DAVI B |
| 315 | DETRICH, DAVID W |
| | OHEARN, MICHAEL J |
| | SHANKS, PETE |
| 316 | FENLEY, KEVIN D |
| | JACQUES, CHARMAINE C |
| | KUSDU, SAUL K |
| | LOPEZ, XOCHITL |
| | QUINTEROS, MARIBEL |
| | SCHIFFMAN, T |
| 319 | DIEKHANS, MARK |
| | ELLIOTT, LEILA |
| | JONES, GREGORY G |
| | WILHELM, DAVID C |

| Target Street | Cross Street | Source |
|---|---|---|
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## PACIFIC AVE 2005

| | |
|---|---|
| 1120 | LA PLAYA |
| 1122 | SANTA CRUZ JEWELERS |
| 1123 | SHOGUN JAPANESE RESTAURANT |
| 1125 | SOCKSHOP & SHOE CO |
| 1134 | NEW LEAF COMMUNITY MARKETS |
| 1200 | BORDERS BOOKS MUSIC & CAFE |
| | SANTA CRUZ NETWORKS |
| | SHELDON WISEMAN COMMERCIAL REAL ESTA |
| | ZENITH INSURANCE CO |
| 1203 | PACIFIC COOKIE CO |
| 1205 | EMEDIA FILMS |
| | FULL SUPORT PRODUCTIONS CO |
| | FULL SUPPORT PRODUCTIONS |
| | GOOD TIMES |
| | HIHN REALTY |
| | MILLS & LYNN ENTERPRISES |
| | SAN JOSE MERCURY NEWS INC |
| | WELSH, G H |
| | WITTBRODT, DAVE |
| 1207 | DISCOUNT RECORDS |
| | SANTA CRUZ BASEBALL CARD CENTER |
| 1211 | VOMVOLAKIS, PATRICIA |
| 1213 | THE GAP |
| 1220 | ROSIE MCCANNS IRISH PUB & RESTAURANT |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 2000

| | |
|---|---|
| 104 | STARSTRUCK |
| 106 | SUPER SILVER |
| 113 | TOADAL FITNESS |
| | TOTAL FITNESS |
| 202 | JACKS HAMBURGERS |
| 208 | MUNOZ, IVONNE |
| | SCHWAMBERGER, JANE |
| 210 | NICKELODEON THEATRE |
| 216 | CASHON, VALERIE M |
| 220 | A 1 AMERICAN CAMPER SHELL & TRUCK ACCESSORIES |
| | GOODYEAR TIRE CENTER |
| 304 | MCCLURE A GAVIN DDS INCORPORATED |
| | MCCLURE, A |
| 306 | TSANG, AMIE L |
| 314 | TAYLOR, JEFF P |
| 315 | CALLAWAY, JOHN L |
| 316 | CASUGA, ROBERT S |
| | COBULNICKY, HENRY A |
| | IYER, V |
| | MILLER, LANCE |
| | ROBERTS, WILLIAM |
| | RUTHERFORD, KIM A |
| | WELLS, JOEL D |
| 317 | OCCUPANT UNKNOWN, |

| Target Street | Cross Street | Source |
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## PACIFIC AVE 2000

| | |
|---|---|
| 1120 | LAPLAYA |
| 1121 | BESHURES, MARIE |
| | PREDICTIVE SYSTEMS INCORPORATED |
| 1122 | SANTA CRUZ JEWELERS & GIFT |
| 1125 | SOCKSHOP & SHOE COMPANY |
| 1126 | DOWNTOWN MANAGEMENT CORPORATION |
| 1128 | LAS MANOS |
| 1129 | GRAPHFIX GALLERY & FRAMING |
| 1130 | ALI BABAS CAFE |
| | ECO GOODS |
| | PAPAZUPA |
| 1132 | JUICE WORLD |
| 1133 | MANILA TURO TURO |
| | PALOOKAVILLE ADMINISTRATION |
| | PALOOKAVILLE INFORMATION |
| 1134 | NEW LEAF COMMUNITY MARKETS |
| 1200 | DEVCON CONSTRUCTION INCORPORATED |
| | LUTRIS TECHNOLOGIES |
| | SHI, SHIMING |
| | TELEPOST INCORPORATED |
| 1201 | COTTON TALES NATURAL FIBERS |
| 1203 | PACIFIC COOKIE COMPANY |
| 1205 | GOOD TIMES |
| | HARBOURTON ENTERPRISES |
| | HIHN REALTY |
| | SAN JOSE MERCURY NEWS |
| | SCII CONSULTING LIMITED |
| | WELSH G H |
| 1207 | DISCOUNT RECORDS |
| | SANTA CRUZ BASEBALL CARD CENTER |
| 1209 | CLUB DAKOTA |
| | DAKOTA CLUB DAKOTA |
| 1213 | GAP THE |
| 1220 | ROSIE MCCANNS IRISH PUB & RESTAURANT |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 1995

| | |
|---|---|
| 113 | BOB MARTIN |
| | BRIAN STALEY |
| | START CLINIC |
| 202 | JACKS HAMBURGERS |
| 210 | NICKELODEON THEATRE |
| 220 | GOODYEAR SANTA CRUZ |
| | SCOTTS VILLAGE TIRE INC |
| 304 | BRUCE BARTLETT DDS |
| | MCCLURE, GAVIN |
| 306 | OCCUPANT UNKNOWNN |
| 312 | CRAVATTA MEDICAL |
| | DOORSTEP WAITERS & SVC INC |
| | FICERE, VERNA E |
| | NETWORK CHIROPRACTIC |
| | RUSSO, GLENN |
| | ST SILICON INC |
| | TRANSCENDENTAL MEDITATION |
| 314 | OLOS, ELAYNE |
| 315 | TASSONE, MELANIE M |
| 316 | GODJOIAN, GAYANE |
| | MILLER, LANCE |
| 317 | OCCUPANT UNKNOWNN |

| Target Street | Cross Street | Source |
|---|---|---|
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## PACIFIC AVE 1995

| | |
|---|---|
| 1120 | LA PLAYA |
| 1122 | SANTA CRUZ JEWELERS & GIFT |
| 1124 | DEL MAR THEATRE |
| 1131 | PIPE LINE |
| 1132 | ECLECTIX |
| 1205 | WELSH, G |
| 1207 | SANTA CRUZ BASEBALL CARD CTR |
| | UNIVERSES DISCOUNT MUSIC SUPER |
| 1209 | RADERS JEWELRY & LOAN CO |
| 1213 | GAP STORE INC |



| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 1992

| | |
|---|---|
| 113 | BROWN, GARY C |
| | START CLINIC |
| 202 | JACKS HAMBURGERS |
| 210 | NICKELODEON THEATRE |
| 304 | BARTLETT BRUCE DDS |
| 306 | SERVENTI, C |
| 312 | CRAVATTA MARY JO DC |
| | CRAVATTA, MARY J |
| | LEVY, SETH |
| | SAINT SILICON INC |
| | TRANSCNDTL MDTN |
| | VESTER DICK PHTGRPY |
| 314 | OLDS, EUGENE E |
| 319 | DIEKHANS, C |
| | GINGRICH, ROBERT |
| | REINSMA, DAVID A |
| | RYDER, STEPHEN |

| Target Street | Cross Street | Source |
|---|---|---|
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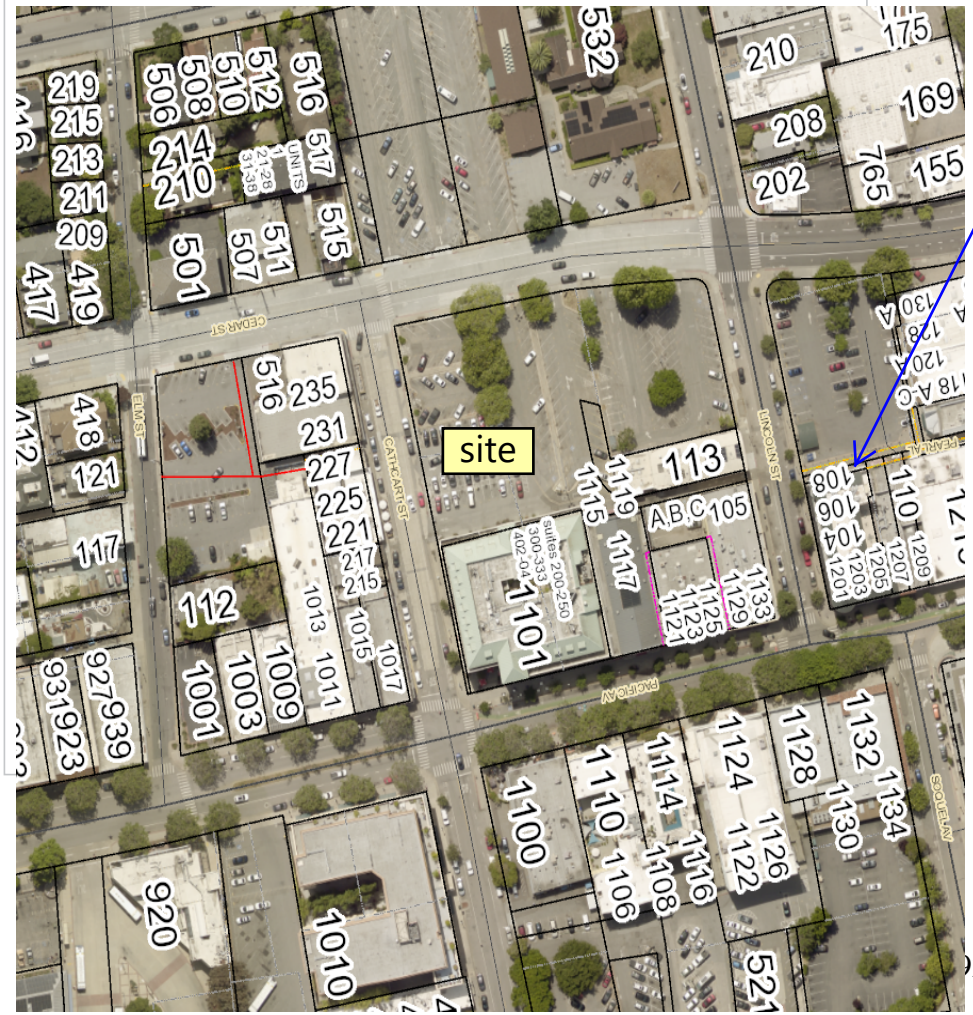
## PACIFIC AVE 1992

| | |
|---|---|
| 1111 | PAPER VISION PLZ BK |
| 1117 | DEVCON LOGOS |
| 1120 | LA PLAYA |
| 1122 | SANTA CRZ JWLRS&GFT |
| 1124 | DEL MAR THEATRE |
| 1128 | BANK AM NEW ACCOUNT |
| 1132 | ECLECTIX |
| 1207 | SANTA CRZ BSEBL CRD |
| 1209 | RADERS JEWELRY&LOAN |
| 1213 | GAP THE |
| | WOOLWORTH F W |
| 1221 | SURF SIDE SNAX |
| 1224 | PALACE ART&OFC SPLY |




| Target Street | Cross Street | Source |
|---|---|---|
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## LINCOLN ST 1987

47

**LINCOLN ST —FROM 1134 PACIFIC AV WEST**

ZIP CODE 95060
108 Royal Cleaners 423-1020
113 S T A R T Clinic health organization 458-3606
CEDAR ST INTERSECTS
202 Jack's Hamburger's restr 423-4421
208 Apartments
1★Nowdesna J
2 No Return
3 Appel Gary 425-8408
210 Nickelodeon Theatre 426-7500
220 Carr's Goodyear Tire Center 423-0100

49

CENTER ST INTERSECTS
304 Bartlett Bruce dentist 426-1343
306 Vacant
312 Covello & Covello Photography) 423-2922
Smaritan Home Servs
Typola typesetting 426-5010
Su Gatch Lettering & Design graphic designer 426-8181
314 Olds Eug E 423-1106
315 No Return
316 Lincoln Arms Apartments 423-4993
1★Kirkman Rose
2 Fish Juanita F
3 Sicola Cath E Mrs 423-5313
4★Figuara Laura 426-3151
5★Kirkman Allen
6 Vacant
7★Anderson Vivian
8★Solsoman Richd
9 Vacant
10★Thornton Olive
317 Taylor Robert J 427-2251

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1987**

1120 Vacant
1121 Pipeline pipes & smoking accessories 425-7473
1122 Kevin's Fine Jewelry ret jwlry 425-4731
1123 Gensler-Lee Diamonds jwlrs 423-4292
1124 Delmar Theatre 425-0616
1125 Athletic Shoe Factory 423-1907
1126 Del Marette Fountain restr 427-2279
1128 Bank Of America (Escrow Ofc)
1128a Bank Of America (Note Dept)
1129 Lily Wong's 458-1172
1130 Bank Of America (Consumer Loans Ofc)
1132 Bank Of America (Coml & Real Est Loans)
1134 Bank Of America 458-3047

55

LINCOLN ST INTERSECTS
1201 Gergen's Hallmark Shop cards-gifts 426-7610
1205 Shockley's Jewelers Inc 423-7070
1207 Discount Records & Tapes 426-0208
SOQUEL AV INTERSECTS
1208 California Savings & Loan 427-3240
1209 Rader's Jewelry & Loans 423-0269
1210 Jasmine women's clo ret 425-0570
BUILDING
1211 Rooms
1 Vacant
2 Pacific Tax Service 426-1320
3a San Jose Mercury News 423-3234
5 Another Graphic Design 423-5116
6a Prototype Funding Corp 425-5204
6a Feakins & Feakins cpa 423-7463
6b Patterson Noel realtor 423-7592
7 Contractors Drafting Service 458-0455
8 Jacobson Jack lwyr 429-1587
9 Marco Victorian genl contr 425-8033
10 Kaplan Hermia lwyr 426-2041
10 Kaplan Emily lwyr 426-2041
1212 Camouflage men's & women's clo 423-7613
1213 Woolworth F W Co dept store 423-6400
WALNUT ST INTERSECTS
1214 Pacific Cookie Co bakery 429-9709
1214a Universes new & used records 425-1096
1214½ Butoku Kai Affiliates martial arts instruction 425-1600
1216 Shirt Works The clothing 458-1011
1218 Mirage Imports clo 429-9611
1220 Ambiance womens clo 426-1735



| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**LINCOLN ST 1980**

47

LINCOLN ST —FROM 1134 PACIFIC AV WEST

ZIP CODE 95060
108 Royal Cleaners 423-1020
113 Vacant
CEDAR ST INTERSECTS
202 Jack's restr 423-4421
208 Apartments
1 Wood Wallace D 423-2131
2★Francis Brian
3★Appel Gary
210 Nickelodeon Theatre theatre 426-7500
220 Carr's Goodyear Tire Center 423-0100

48

CENTER ST INTERSECTS
304 Jarvis Wayne W dentist 426-1343
306 Vacant
312 Vester Dick Photography 423-2922
Hubbard Kay Associates & Marketing Service adv pub relations 423-4420
312a★Schnieder Tom
314 Olds Fienette Mrs © 423-7157
314b Olds Eugene 423-1106
315 Schultz Mildred 425-0513
316 Lincoln Arms Apartments 423-4993
1 Beassie Charlene L
2 Vacant
3 Sicola Cath E Mrs 423-5313
4 Canessa Pamela R 426-8093
5 Morton Robt

| Target Street | Cross Street | Source |
|---|---|---|
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**LINCOLN ST 1980**

**LINCOLN ST—Contd**

5a★Chandler Geo
6 Jones Michl
7 Battle Judy
8 Mehra Bret
9 Vacant
10 Littlefield Warren W
317★Benson Loyd



| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1980**

1120 Queen Bee womens clo 425-5733
1121 Pipeline pipes & smoking accessories
1122 Crucible Studios Inc custom design jwlry 426-7242
1123 Gensler-Lee Diamonds jwlrs 423-4292
1124 Delmar U A Movies 4 425-0917
1125 Vacant
1126 Del Marette Fountain restr 427-2279
1128 Bank Of America (Escrow Ofc)
1128a Bank Of America (Escrow Ofc)

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

PACIFIC AVE 1980

**PACIFIC AV—Contd**
1129 Morris Abrams Store dept store 423-1717
1130 Triad clo ret 426-6363
1132 Bank Of America (Trust Ofc)
1134 Bank Of America 426-3311

55

LINCOLN ST INTERSECTS
1201 Gallenkamp Shoes 426-9934
1205 Shockley's Jewelers Inc 423-7070
1207 Gergen's Hallmark Shop card shop 426-7610
SOQUEL AV INTERSECTS
1208 California Savings & Loan 427-3240
1209 Rader's Jewelry & Loans 423-0269
1210 Alternative Footwear 429-7463
1211 Rooms
1 Shultes Clark L Design 429-1088
2 Pacific Tax Service 426-1320
3a San Jose Mercury News 423-3234
3b Vacant
5 Buck Geo Fine Art Gallery & Studio 475-5049
6 Darrow Robt H lwyr 423-3640
7 Another Graphic Design 423-5116
8 Jacobson Jack lwyr 429-1587
9 Swanson & Associates adv agcy 426-8428
9 Hihn Realty 423-7463
10 Vacant
1212 Harris Bros men's clo 423-5111
1213 Woolworth F W Co 423-6400
WALNUT ST INTERSECTS
1214 Vacant
1214½ Vacant
1216 Mirage clothing 423-6354
1218 Pacific Imports 429-9611
1220 Boppell Carl L Hearing Aid Specialist 423-6322



| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

LINCOLN ST 1975

47

**LINCOLN ST —FROM 1134 PACIFIC AV WEST**

ZIP CODE 95060
108 Royal Cleaners 423-1020
113 Western Auto Associate Store 426-1211
CEDAR ST INTERSECTS
202 Cady Building
202a Project Scout 423-2128
202b Santa Cruz Community Switchboard 426-5434
James William Association The employment agcy 426-9518
202c Santa Cruz Dental Laboratory 423-8212
208 Apartments
1 Vacant
2 Vacant
3 Lorenzo Gloria J
208½ Miranda John M 427-2704
210 Nickolodeon Corp theatre 426-7500
214 Vacant
220 Goodyear Service Store 423-0100

49

CENTER ST INTERSECTS
304 Jarvis Wayne W dentist 426-1343
306 Stanley Wilbur L dentist 426-1814

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**LINCOLN ST 1975**

312 Vester Dick Photography 423-2922
Hubbard Kay Associates adv & public relations serv 423-4420
314 Olds Fienette Mrs ◎ 423-7157
314b Mathen Steven
315 Schultz Mildred
316 Lincoln Arms Apts 423-4993
1 Beassie Charlene L
2 Fish Fay
3 Vacant
4 Volpini Maria Mrs
5 Vacant
5a Vacant
6 Fagro Cecilia
7 Vacant
8 Vacant
9 Fankhouse Edna
10 Littlefield Warren W
317 Wilson Irene 423-3567



| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1975**

1120 Rysdam Harold W real est 426-0742
1121 Trade Winds Imports 423-6888
1122 Crucible Studios custom design jwlry 426-7242
1123 Gensler-Lee Diamonds ret jwlrs 423-4292
1124 Theatre Del Mar 423-1000
1125 Karl's Shoe Store 423-9766
1126 Del Marette Fountain restr 423-9688
1128 Christian Science Reading Room 423-4816
1128a Daly John C optom 426-1050
1129 Abrams Morris Store dept store 423-1717
1130 Triad clo ret 426-6363
1132 Bank Of America (Trust Ofc)
1134 Bank Of America 426-3311

55

LINCOLN ST INTERSECTS
1201 Gallenkamp Shoes 426-9934

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1975**

PACIFIC AV—Contd
1205 Shockley's Jewelers 423-7070
1207 Gergen's Hallmark Shop wms clo 426-7610
SOQUEL AV INTERSECTS
1208 Santa Cruz Imports mexican indian imports 426-9076
1209 Rader's Jewelry & Loans 423-0269
1210 Real George Mens Emporium mens wear 426-4803
1211 Medico-Dental Building
Rooms
1 Hihn Realty
2 Pacific Tax Service 426-1320
3 San Jose Mercury News
5 Vacant
6 Darrow Robt H lwyr 423-3640
6 Marcus Howard S lwyr 423-3640
7 Vacant
8 Smith Ernest J chiropractor 423-1246
9 Vacant
1212 Harris Bros men's clo 423-5111
1213 Woolworth F W Co 423-6400
WALNUT ST INTERSECTS
1214 International Bazaar 426-7777
1214½ Vacant
1216 Leibbrandt & Puget men's wear 423-4250
1218 Interlude The tavern 423-6611
1220 Boppell Maico Hearing Aid Center 423-6322



| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**LINCOLN ST 1971**

LINCOLN ST —FROM 1134 PACIFIC AV WEST

ZIP CODE 95060
108 Royal Cleaners 423-1020
113 Western Auto Associate Store 426-1211
CEDAR ST INTERSECTS
202 Cady Building
Draft Information Service 426-2698
Draft Repeal Group
Ecology Action 423-8111

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**LINCOLN ST 1971**

Sherrill Dental Laboratory 423-8212
County Tuberculosis & Respiratory Disease Assn Inc 423-7619
Women's Liberation Association 426-9294
Zero Population Growth org
208 Apartments
1 Warner Dennis A
2 Vacant
3 Vacant
4 Vacant
208½ Hooper Florence Mrs 426-4390
210 Nickolodeon Corp theatre 426-7500
214 Raney Wm V 423-8329
220 Goodyear Service Store 423-0100

49

CENTER ST INTERSECTS
304 Jarvis Wayne W dentist 426-1343
306 Stanley Wilbur L dentist 426-1814
312 Dick Vester Photography 423-2922
Hubbard Kay Associates adv & public relations serv 423-4420
Dick Vester J
314 Olds Fienette Mrs © 423-7157
314b Vacant
315 Schultz Mildred
316 Lincoln Arms Apt 423-9338
1 Vacant
2 Bartle Richd E
3 Ajeska Judy 426-9087
4 Volpine Maria Mrs
5 Serrin Anita Mrs 423-2664
5a Tellez Jesus
6 Vacant
7 Vacant
8 Brice Wm R
9 Oza Marlene
10 De Costa Helen
317 Parkhill Harold



| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1971**

1120 Rysdam Harold W real est 426-0742
1121 Trade Winds Imports 423-6888
1122 Vacant
1123 Gensler-Lee Diamonds ret 423-4292
1124 Theatre Del Mar 423-1000
1125 Karl's Shoe Store 423-9766
1126 Del Marette Fountain restr 423-9688
1128 Christian Science Reading Room 423-4816
1128a Daly John C optom 426-1050
1129 Abrams' Morris Store dept store 423-1717
1130 Vacant
1132 Bank Of America (Ofc)
1134 Bank Of America National Trust & Savings Assn 426-3311
LINCOLN ST INTERSECTS

55

LINCOLN ST INTERSECTS
1201 Gallen Kamp Shoes 426-6611
1205 Shockley's Jewelers 423-7070
1207 Vacant
SOQUEL AV INTERSECTS
1208 Santa Cruz Imports mexican indian imports 426-9076
1209 Rader's Jewelry & Loans 423-0269
1210 Real George Mens Emporium mens wear 426-4803
1211 Medico-Dental Building
Rooms

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1971**

**PACIFIC AV—Contd**

1 Hihn Realty
2 Pacific Tax Service 426-1320
3 Vacant
5 Ginocchio Andrew B dentist 423-7655
6 Darrow Robt H lwyr 423-3640
6 Tobias Danl J lwyr 423-3640
7 Post Harry V dental laby 423-7073
8 Smith Ernest J chiropractor 423-1246
9 Dakan Geo H dentist 423-2925
10 Whiting Leslie T optom 423-3355
1212 Harris Bros men's clo 423-5111
1213 Woolworth F W Co 423-6400
WALNUT ST INTERSECTS
1214 Vacant
1214½ Vacant
1216 Leibbrandt & Puget men's wear 423-4250
1218 Interlude The tavern 423-6611
1218½ Vacant
1220 Boppell Maico Hearing Aid Center 423-6322



| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**LINCOLN ST 1964**

47

LINCOLN ST -FROM 1134 PACIFIC AV
WEST 5 NORTH OF LAUREL

108 ROYAL CLEANERS 423-1020
112 PURITY STORES GRO 423-9656
113 WESTERN AUTO SUPPLY CO 426-1211
119 SAFEWAY STORES INC GRO
128 DICK VESTER PHOTOGRAPHY 423-2922
RHODES FREDERICK REALTY 426-3430
---CEDAR INTERSECTS
202 CADY BUILDING
HOLY GRAIL FOUNDATION RELIGIOUS READING RM 426-5339
MC PHAIL IAN D LWYR 426-6060
SHERRILL DENTAL LABORATORY 423-8212
208 LASKASKA STELLA MRS • 423-7186
208½ HOOPER FLORENCE MRS 426-4390
210 LINCOLN BAKERY 423-1674
214 JOHNSTON PAUL B 423-3839
219 CALVARY EPISCOPAL CHURCH (SIDE ENTRANCE)
220 THOMA SCO TIRE SERVICE 423-0100

49

---CENTER INTERSECTS
304 JARVIS WAYNE W DENTIST 426-1343
306 STANLEY WILBUR L DENTIST 426-1814
312 SANTA CRUZ COUNTY TUBERCULOSIS & HEALTH ASSN 423-7619
314 OLDS FIENETTE MRS • 423-7157
314B MONTOYA JAMES D
315 COVEY LEWIS
316 LINCOLN ARMS APTS 423-9338
1 BUSHNELL JOHN 426-5548
2 MORALEZ FRANK 423-9338
3 FORTINO ELIZ 423-1681
4 DYER MURIEL 423-2976
5 BAUGH JANE F
5A BOUST HAROLD S
6 KALFUS GEO R 426-5865
7 BLISS T D
8 HOULAHAN CHARLES W 426-6344
9 GRONEN HAMILTON F 423-9382
10 DANIELS C
STREET CONTINUED
317 VACANT

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1964**

1120 RYSDAM HAROLD W REAL EST
426-0742
1121 CASUAL AIRE WOMEN'S CLO
423-7996
1122 BEAUTY NOOK BEAUTY SHOP
423-8636
1122 SLIM'S BARBER SHOP 423-8636
1123 GENSLER-LEE DIAMONDS
423-4292
1124 THEATRE DEL MAR 423-1000
1125 KARL'S SHOE STORE 423-9766
1126 DEL MARETTE FOUNTAIN RESTR
423-9688
1128 HARNISH,MUSIC CO ORGANS
423-8782
1128A DALY JOHN C OPTOM 426-1050
1129 ABRAMS MORRIS STORE DEPT
STORE 423-1717
---LINCOLN INTERSECTS
1130 SANTA CRUZ BLUEPRINT &
SUPPLY 423-0313
1132 RADERS JEWELRY & LOAN CO
423-0269
1134 BANK OF AMERICAN NATIONAL
TRUST & SAVINGS ASSN
423-1340

55

---LINCOLN INTERSECTS
1201 GALLEN KAMP SHOES 423-9696
1205 SHOCKLEY'S JEWELERS 423-7070
1207 SANTA CRUZ JEWELERS 423-4300
---SOQUEL AV INTERSECTS
1208 SHOE OUTLET THE 423-9768
1209 REEVE'S 423-9660
1211 MEDICO DENTAL BUILDING
ROOMS
1 JOHNSTON MALCOLM DENTIST
423-6563
2 HIHN FRED D REAL EST
423-7463
3 SHENK FREDK P PHYS 426-1770
5 GINOCCHIO ANDREW B DENTIST
423-7655
6 DARROW ROBT H LWYR 423-3640
6 SNYDER BERT B JR LWYR
423-2141
7 POST HARRY V DENTAL LABY



| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1964**

8 SMITH ERNEST J CHIROPRACTOR
423-1246
9 DAKAN GEO H DENTIST
423-2925
10 WHITING LESLIE T OPTOM
423-3355
STREET CONTINUED
1212 HARRIS BROS MEN'S CLO
423-5111
1213 WOOLWORTH F W CO 423-6400
---WALNUT INTERSECTS
1214 SPARKY'S HOUSE OF MUSIC
MUSICAL INSTRUMENT SLS &
SERV 426-2242
1214½ ELKS HALL 423-8420
ELKS CLUB 423-8240
SANTA CRUZ LODGE NO 824
(BPOE) 423-8240
1216 LEIBBRANDT & PUGET MEN'S &
BOY'S CLO 423-4250
1218 CLUB ALOHA TAVERN 423-4140
1220 BOPPELL-ORR HEARING AID
CENTER 423-6322

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

LINCOLN ST 1960

47

**LINCOLN—From 1134 Pacific av west, 5 north of Laurel**

108 Royal Dry Clns
ΔGA3-1020
112 Purity Stores gro
ΔGA3-9656
113 Wester Auto Sup Co
ΔGA6-1211
119 Safeway Stores Inc gro
ΔGA3-9668
128 Burr E Wm drftsmn
ΔGA3-6998
Rhodes Fredk E real est
ΔGA6-3430
Vellutini Frederick Realty
ΔGA6-3430

**Cedar intersects**

202 **Cady Building**
Elliott Bates archt
ΔGA6-4249
Fernands Owen acct
ΔGA6-3045
Santa Cruz Hearing Aid Center ΔGA3-0685
Sherrill Dental Laby
ΔGA3-8212
208 Laskaka Stella Mrs ◎
ΔGA3-7186
208½ Vacant



| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

LINCOLN ST 1960

LINCOLN—Contd
210 Lincoln St Bakery
ΔGA3-1674
214 Johnson Paul B ◎
ΔGA3-3839
219 Calvary Episcopal Church (side ent)
220 Sco Thoma Tire Serv
ΔGA3-0095

49

**Center intersects**

304 Jarvis Wayne W dentist
ΔGA6-1343
306 Stanley Wilbur L dentist
ΔGA6-1814
312 Melick Mohaned
ΔGA3-0706
314 Olds Paul E ◎
ΔGA3-7157
314b Montoya James D
315 Smith Mary A
316 Stanuseich John S
ΔGA3-9027
317 Boaz Grace T Mrs
ΔGA3-7272

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1960**

1120 Rysdam Harold W real
est ΔGA6-0742
1121 Casual Aire women's clo
ΔGA3-7996
1122 Beauty Nook Beauty Shop
ΔGA3-8636
Slim's Barber Shop
ΔGA3-8636



| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1960**

PACIFIC AV—Contd
1123 Gensler-Lee Diamonds
ΔGA3-4292
1124 Theatre Del Mar
ΔGA3-1000
1125 Karl's Shoe Store
ΔGA3-9766
1126 Delmarette Fountain
restr ΔGA3-9688
1128 Graham Music Co
ΔGA3-8782
1128a Daly John C optom
ΔGA6-1050
1129 Abrams Morris Store,
men's clo ΔGA3-1717
**Lincoln intersects**
1130 Aquinas Shop church gds
ΔGA3-4989
1132 Am Home Food Serv Corp
frozen food lockers
ΔGA3-2957
1134 Bank of America Natl Tr
& Sav Assn
55
**Soquel intersects**
1201 Gallen Kamp's shoes
ΔGA6-0959
1205 Shockley's Jwlrs ret
ΔGA3-7070
1207 Vacant
1208 Plaza Jwlry ret
ΔGA3-1450
1209 Reeve's shoes
ΔGA3-9660
1210 Brunjes & Fallis real est
ΔGA3-4261
1211 **Medico-Dental Building**
Rooms:
1 Johnston Malcolm dentist
ΔGA3-6563
2 Hihn Fred D property
management
ΔGA3-7463
3 Shenk Fredk P phys
ΔGA6-1770
4 Ginocchio Andrew B
dentist ΔGA3-7655
6 Darrow Robt H lwyr
ΔGA3-3640
Snyder Bert B jr lwyr
ΔGA3-2141
7 Post Harry V dental laby
8 Taylor Chas W chiro-
practor ΔGA3-1246
9 Dakan Geo H dentist
ΔGA3-2125
10 Whiting Leslie T optom
ΔGA3-3355
**Street continued**
1212 Harris Bros men's clo
ΔGA3-5111

| Target Street | Cross Street | Source |
| --- | --- | --- |
| - | ✓ | Polk's City Directory |

**PACIFIC AVE 1960**

1213 Woolworth F W Co
ΔGA3-6400
1214 Johnson's Chet Hdw &
Appls ΔGA6-0800
1214½ Elks Club ΔGA3-8240
Benevolent Protective
Order of Elks
ΔGA3-8240
1216 Leibbrahdt & Puget
menls clo ΔGA3-4250
**Walnut av intersects.**
1218 Club Aloha tavern
ΔGA3-4140
1220 Orr Eddie Z hearing aids
ΔGA3-6322

**2T158 Downtown Library ESA**

113 Lincoln Street

Santa Cruz, CA 95060

Inquiry Number: 6833160.8

January 26, 2022

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

01/26/22

**Site Name:**

2T158 Downtown Library ESA
113 Lincoln Street
Santa Cruz, CA 95060
EDR Inquiry # 6833160.8

**Client Name:**

Weber, Hayes, & Associates
120 Westgate Drive
Watsonville, CA 95076
Contact: Shaun Ersoy

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

***Search Results:***

| Year | Scale | Details | Source |
|---|---|---|---|
| 2016 | 1"=500' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=500' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2005 | 1"=500' | Flight Year: 2005 | USDA/NAIP |
| 1993 | 1"=500' | Acquisition Date: June 14, 1993 | USGS/DOQQ |
| 1982 | 1"=500' | Flight Date: August 16, 1982 | USDA |
| 1974 | 1"=500' | Flight Date: June 07, 1974 | USGS |
| 1968 | 1"=500' | Flight Date: June 14, 1968 | USGS |
| 1956 | 1"=500' | Flight Date: June 05, 1956 | USDA |
| 1948 | 1"=500' | Flight Date: May 05, 1948 | USFS |
| 1940 | 1"=500' | Flight Date: June 17, 1940 | FAIR |
| 1931 | 1"=500' | Flight Date: April 01, 1931 | FAIR |

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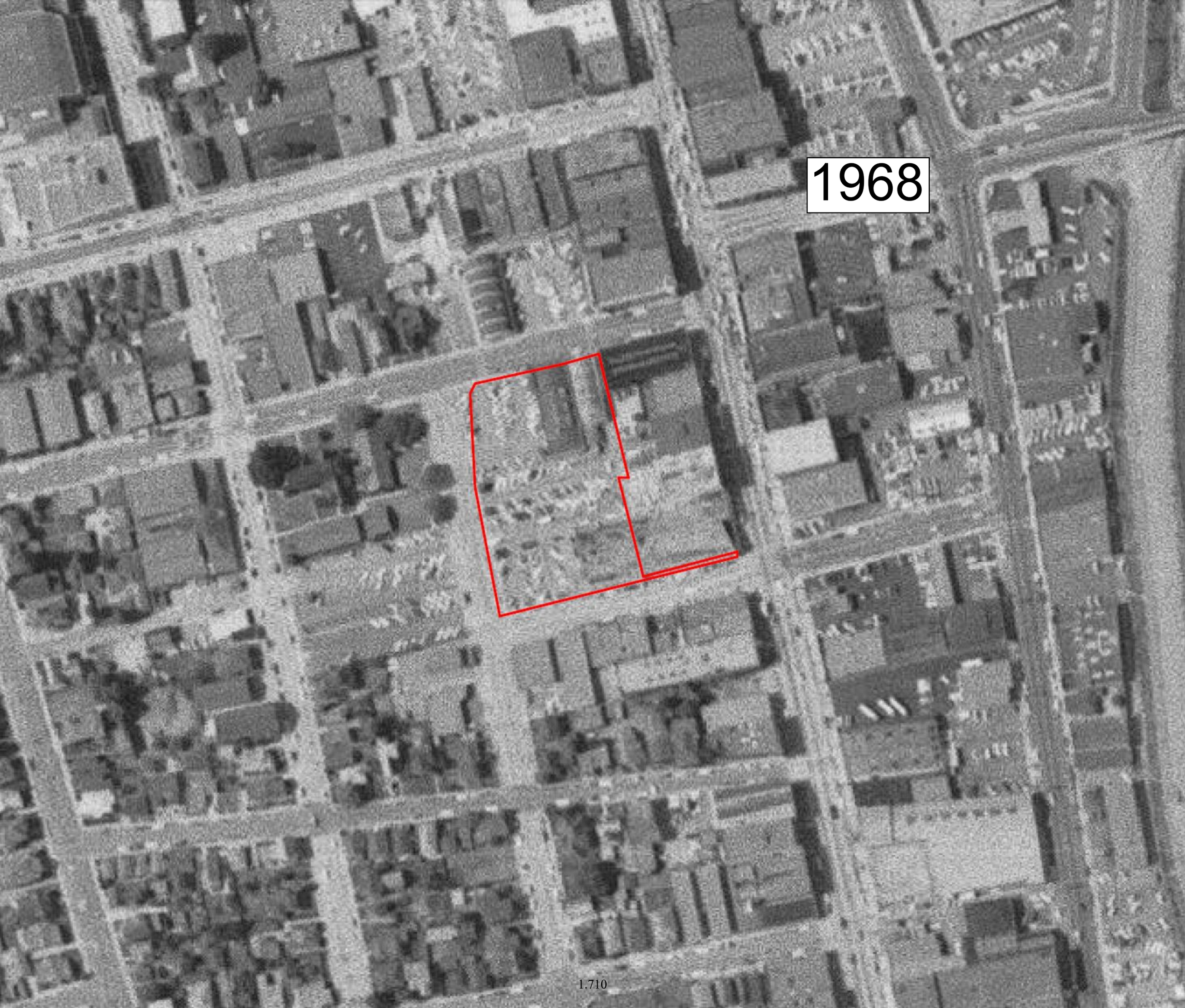
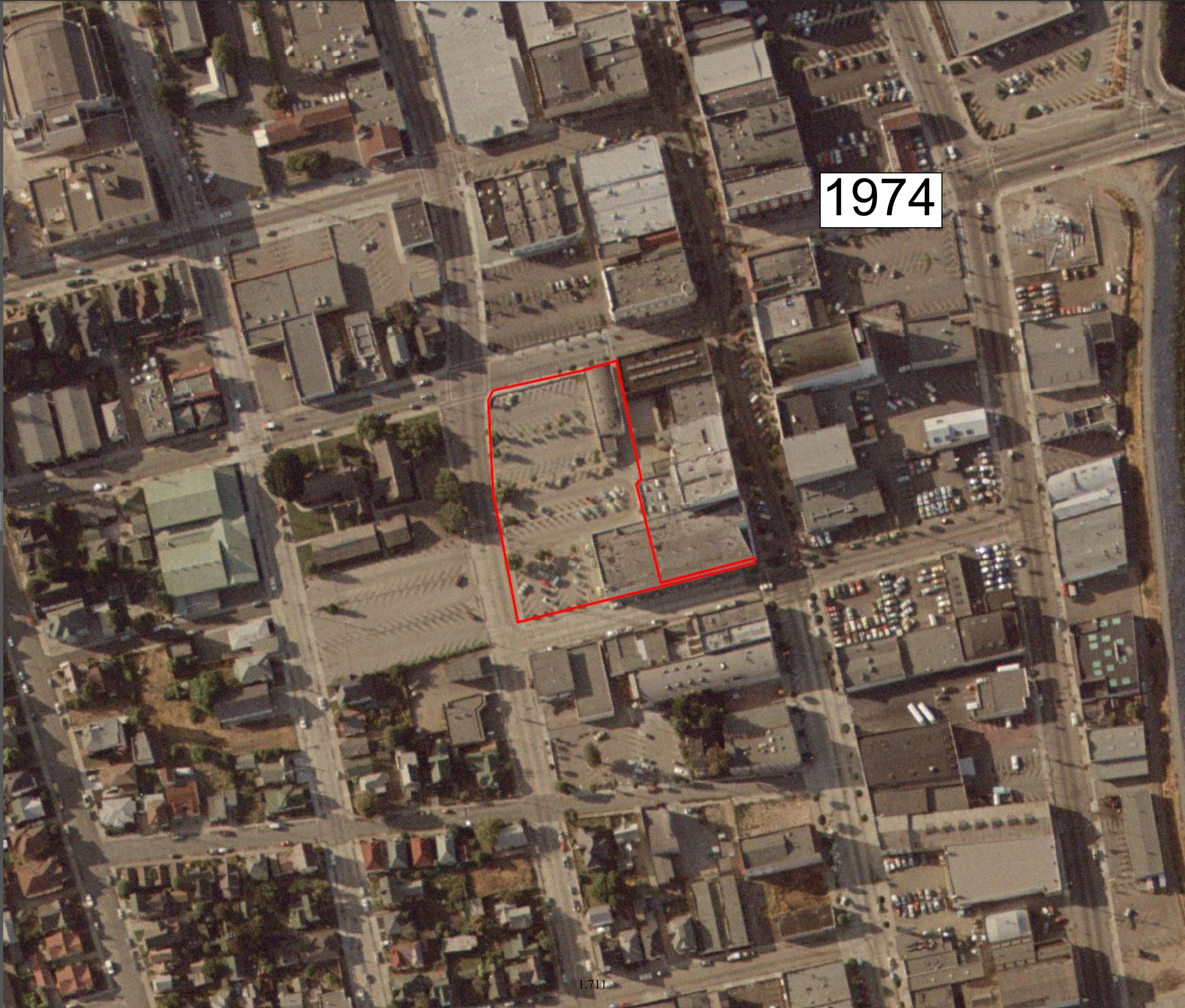
1931

1940
1.707

1948

1956


1968


1974

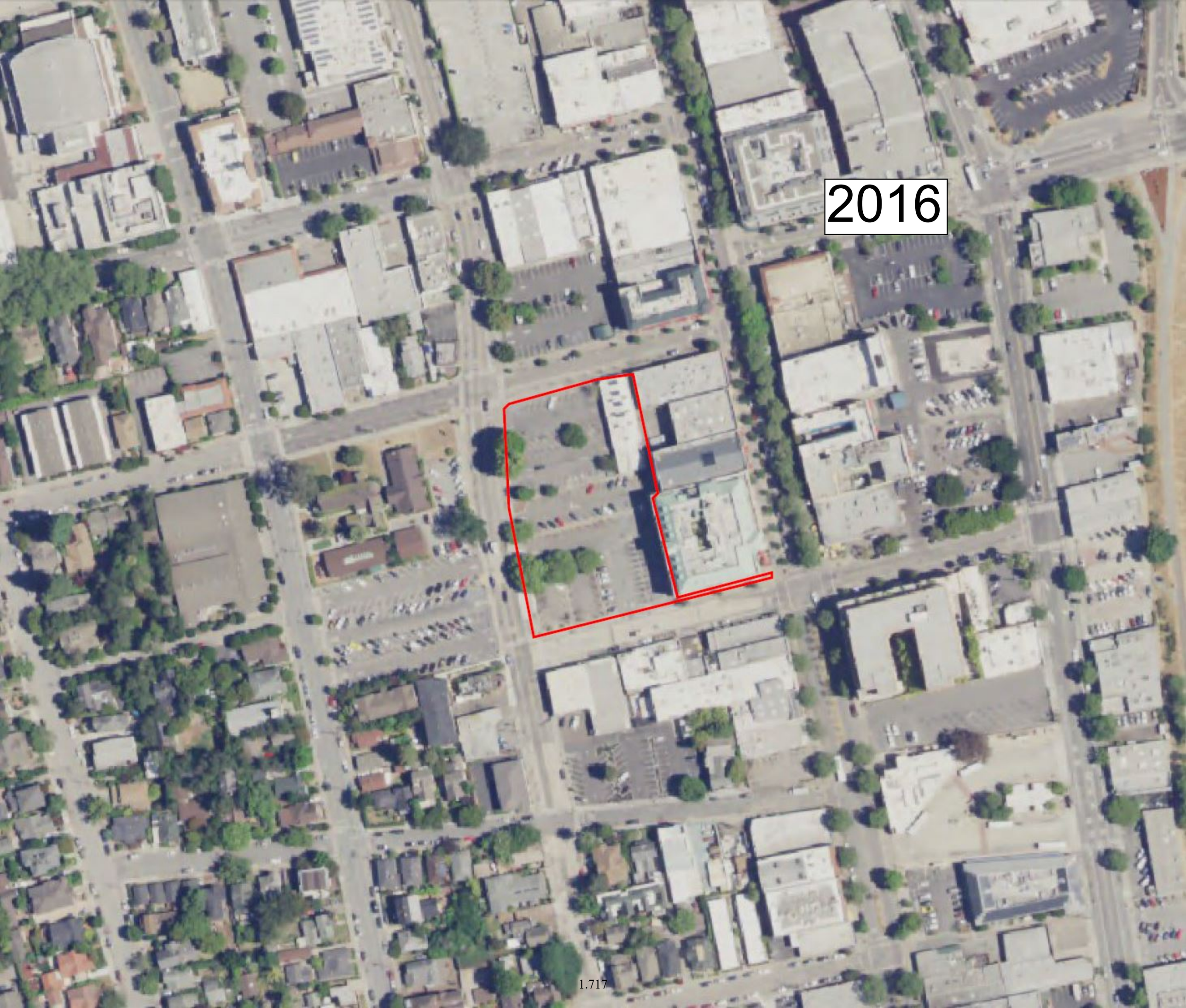
1982
1.712

1993
1.713

2005
1.714

2009
1.715

2012
1.716


2016
1.717

INQUIRY #: 6833160.8
YEAR: 2016
= 500'
N
EDR

2T158 Downtown Library ESA

113 Lincoln Street

Santa Cruz, CA 95060

Inquiry Number: 6833160.3

January 26, 2022

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

01/26/22

| Site Name: | Client Name: |
|---|---|
| 2T158 Downtown Library ESA | Weber, Hayes, & Associates |
| 113 Lincoln Street | 120 Westgate Drive |
| Santa Cruz, CA 95060 | Watsonville, CA 95076 |
| EDR Inquiry # 6833160.3 | Contact: Shaun Ersoy |

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Weber, Hayes, & Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Certification #** 8E9F-4916-94A9

**PO #** 2T158

**Project** 2T158 Downtown Library ESA

**Maps Provided:**

1988
1950
1928
1905
1892
1888
1886

Sanborn® Library search results

Certification #: 8E9F-4916-94A9

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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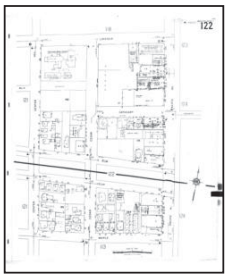
## *Sanborn Sheet Key*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 1988 Source Sheets

Volume 1, Sheet 118


Volume 1, Sheet 122

Volume 1, Sheet 123

Volume 1, Sheet 124

### 1950 Source Sheets

Volume 1, Sheet 122

Volume 1, Sheet 118

Volume 1, Sheet 123

Volume 1, Sheet 124

### 1928 Source Sheets

Volume 1, Sheet 118

Volume 1, Sheet 122

Volume 1, Sheet 123

Volume 1, Sheet 124

### 1905 Source Sheets

Volume 1, Sheet 14

Volume 1, Sheet 15

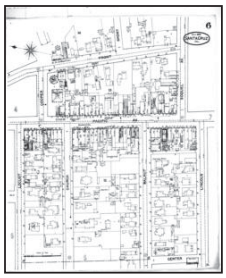
Volume 1, Sheet 16

Volume 1, Sheet 20

## *Sanborn Sheet Key*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 1892 Source Sheets



Volume 1, Sheet 6

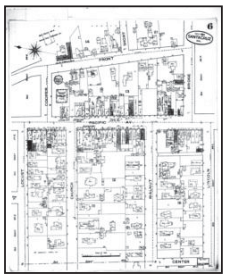
Volume 1, Sheet 7

### 1888 Source Sheets

Volume 1, Sheet 6

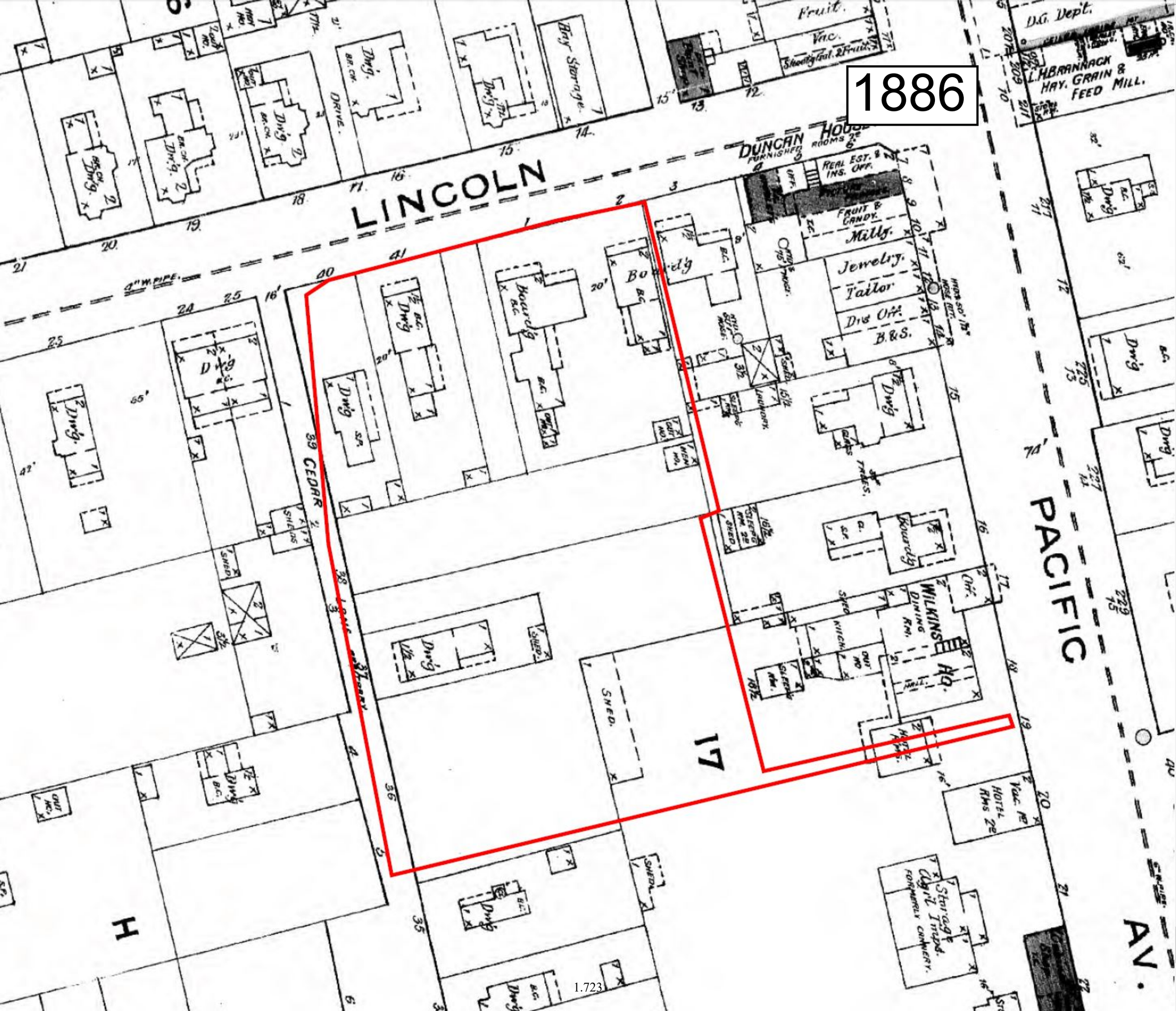
Volume 1, Sheet 7

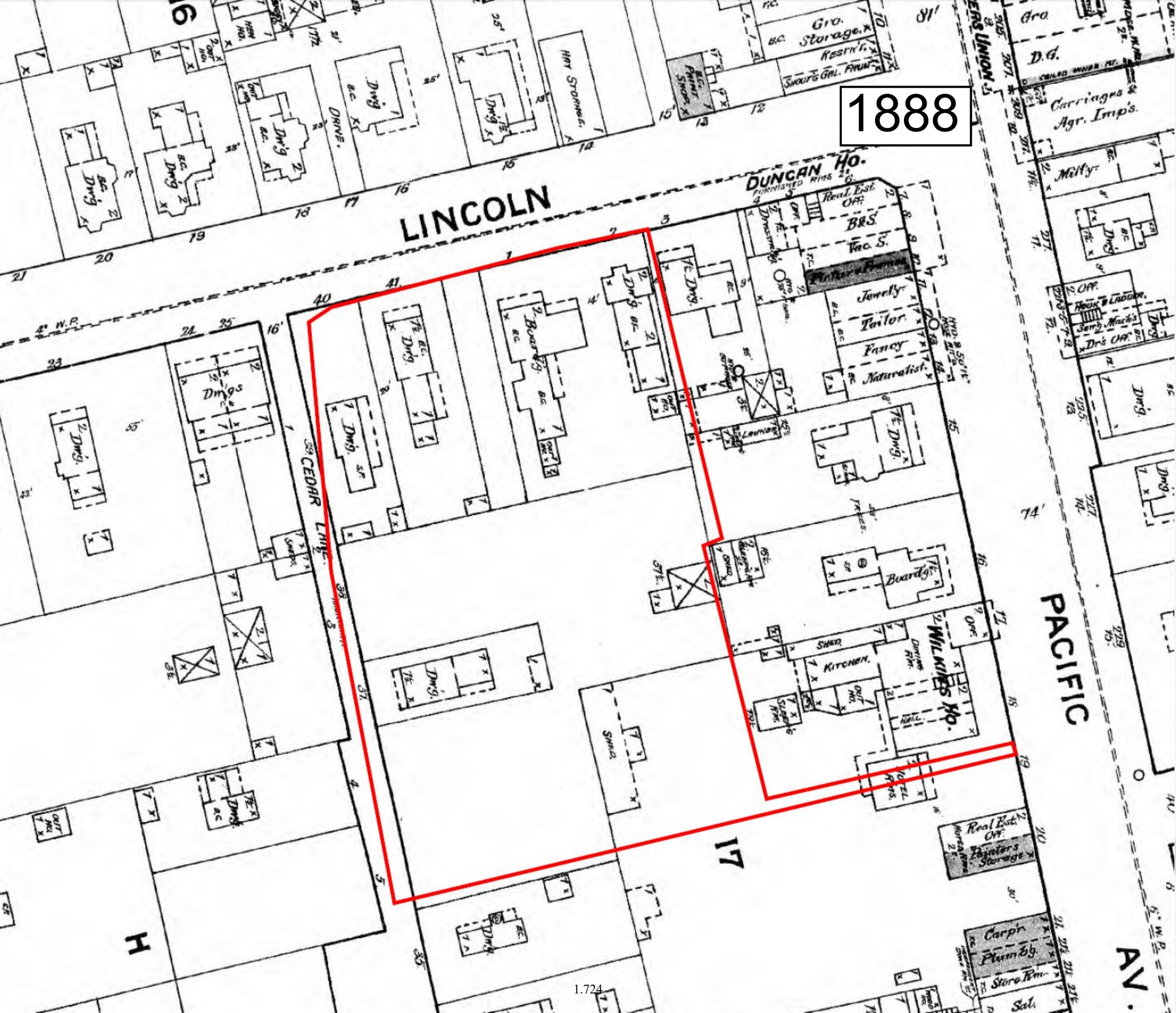
### 1886 Source Sheets

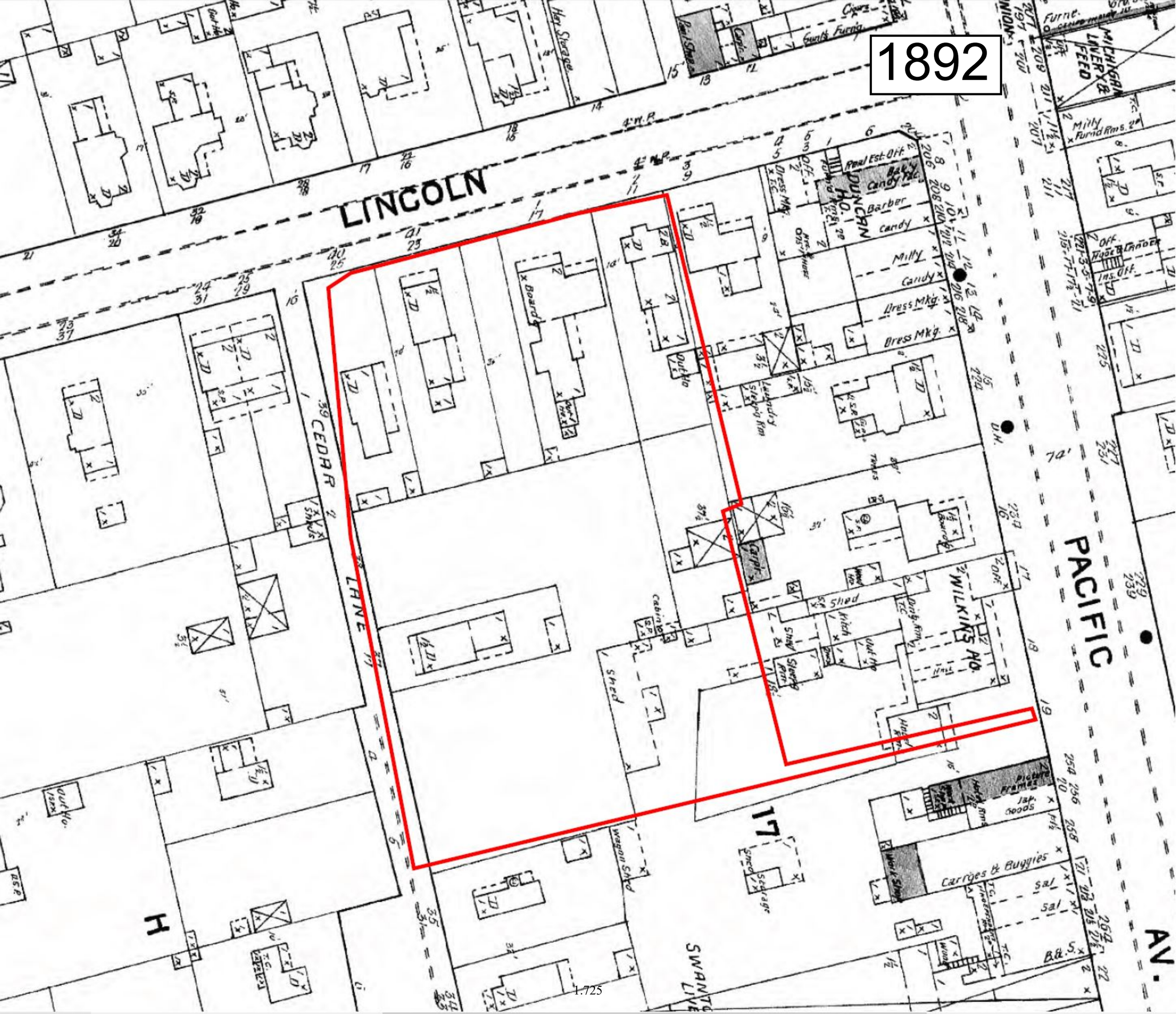


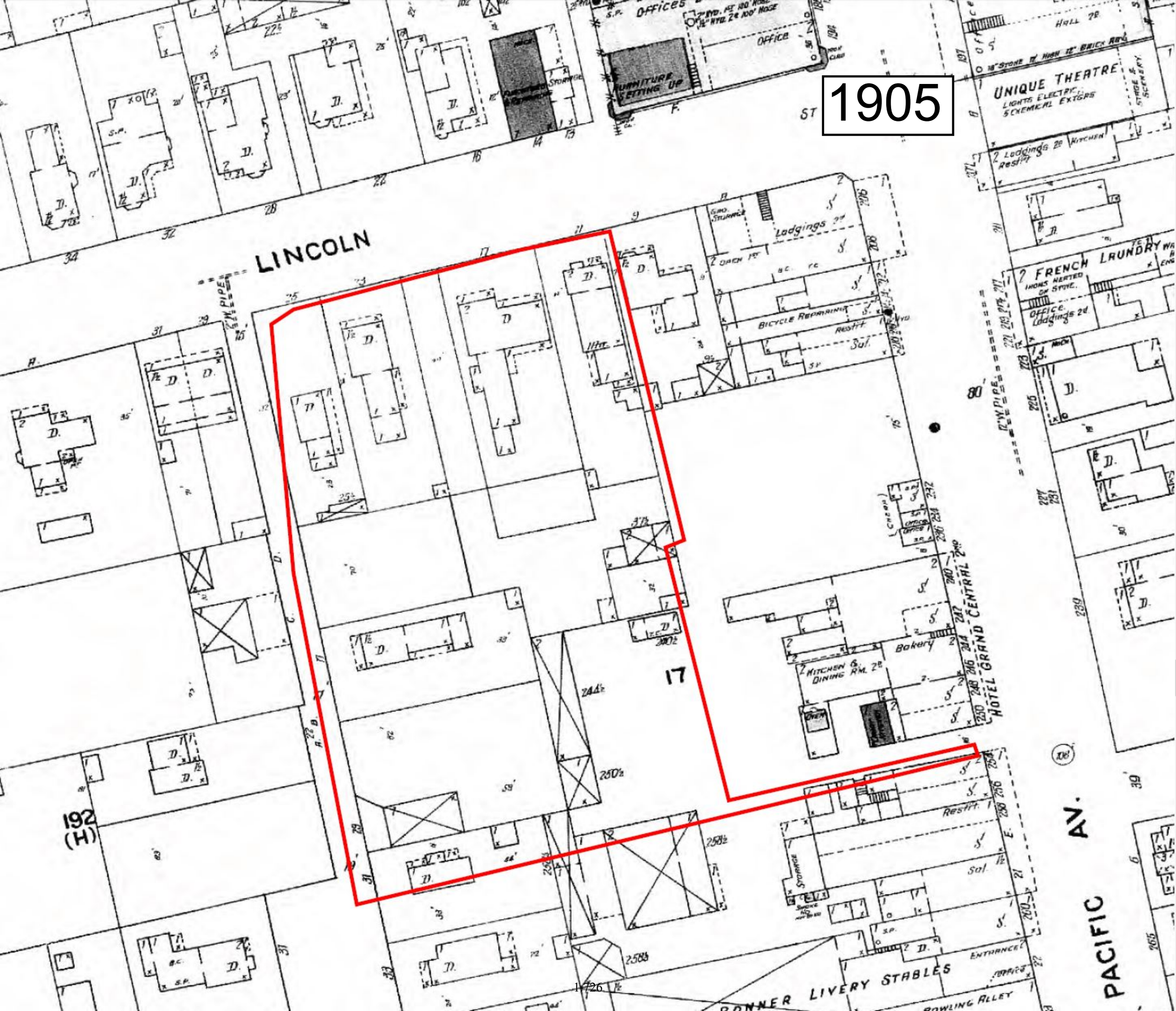
Volume 1, Sheet 6

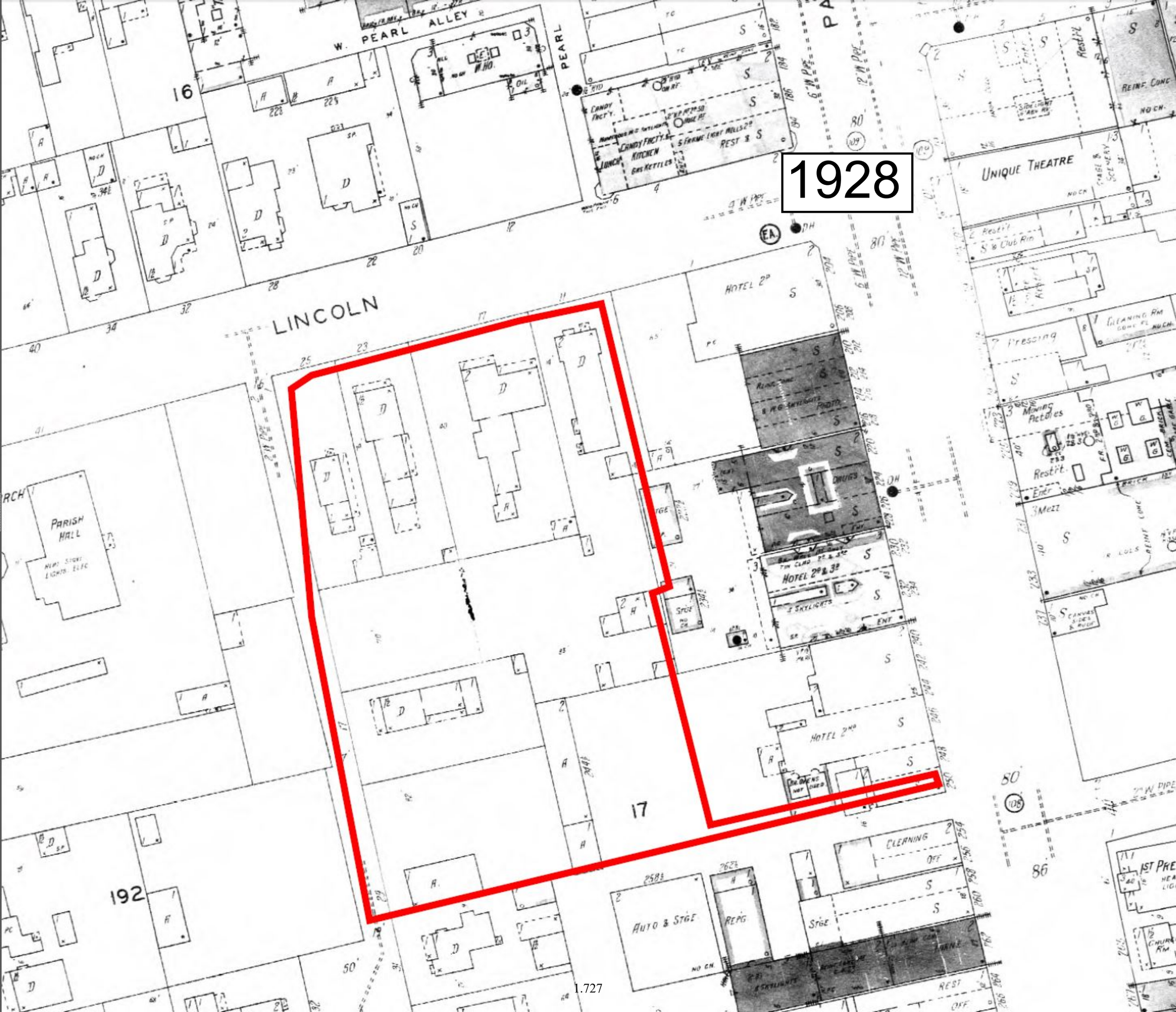
Volume 1, Sheet 7

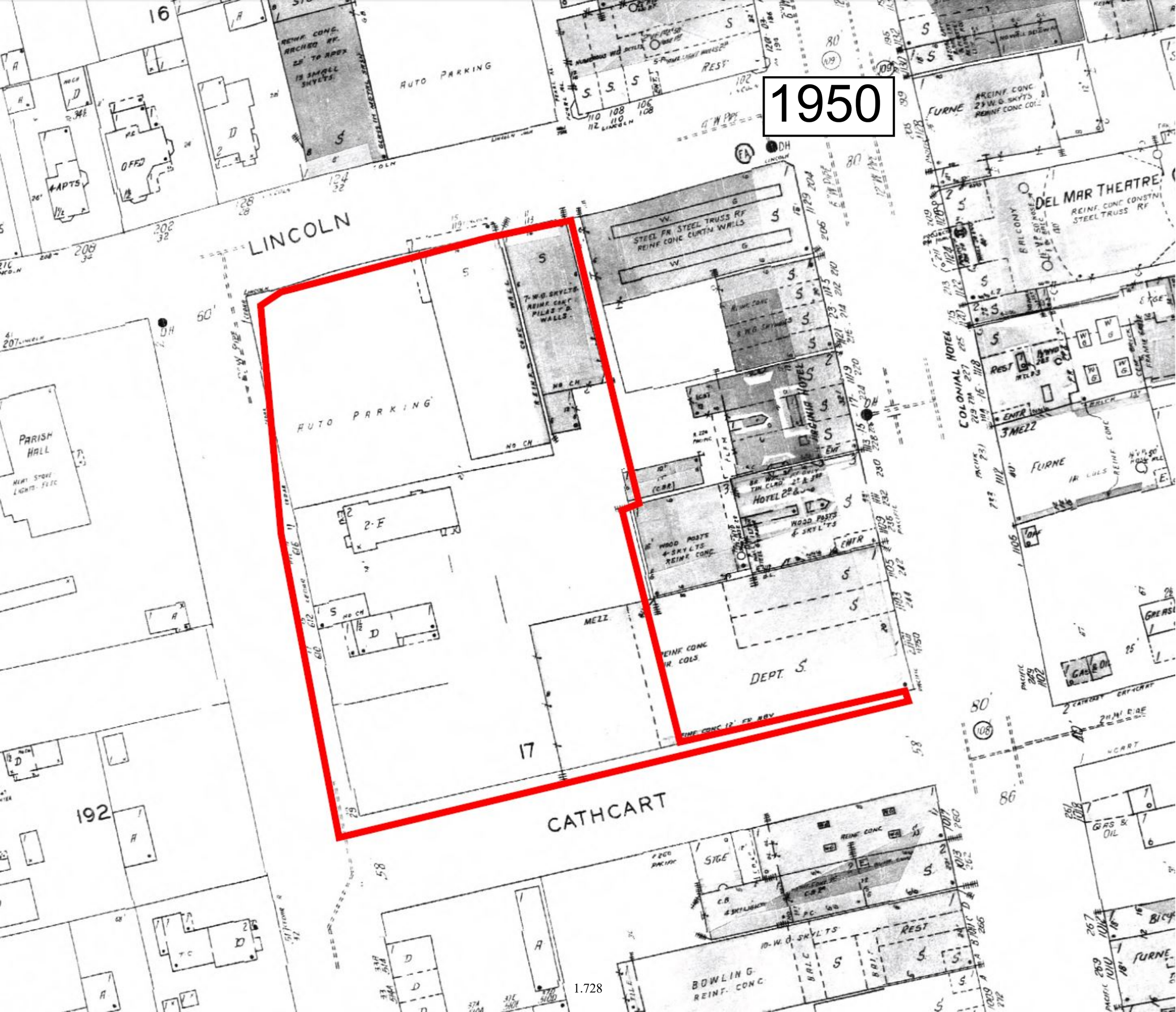

1886
LINCOLN
PACIFIC
AV.
DUNCAN HOUSE
FURNISHED ROOMS
REAL EST. & INS. OFF.
FRUIT & CANDY.
Millg.
Jewelry.
Tailor
Drs Off.
B.&S.
WILKINS HO.
DINING RM.
KITCHEN
Hay Storage
Fruit.
Vac.
L.H.BRANNACK HAY, GRAIN & FEED MILL.
D.G. Dep't.
Boardg
Dwg.
SHED.
CEDAR
DRIVE.
4" W. PIPE.
17
H

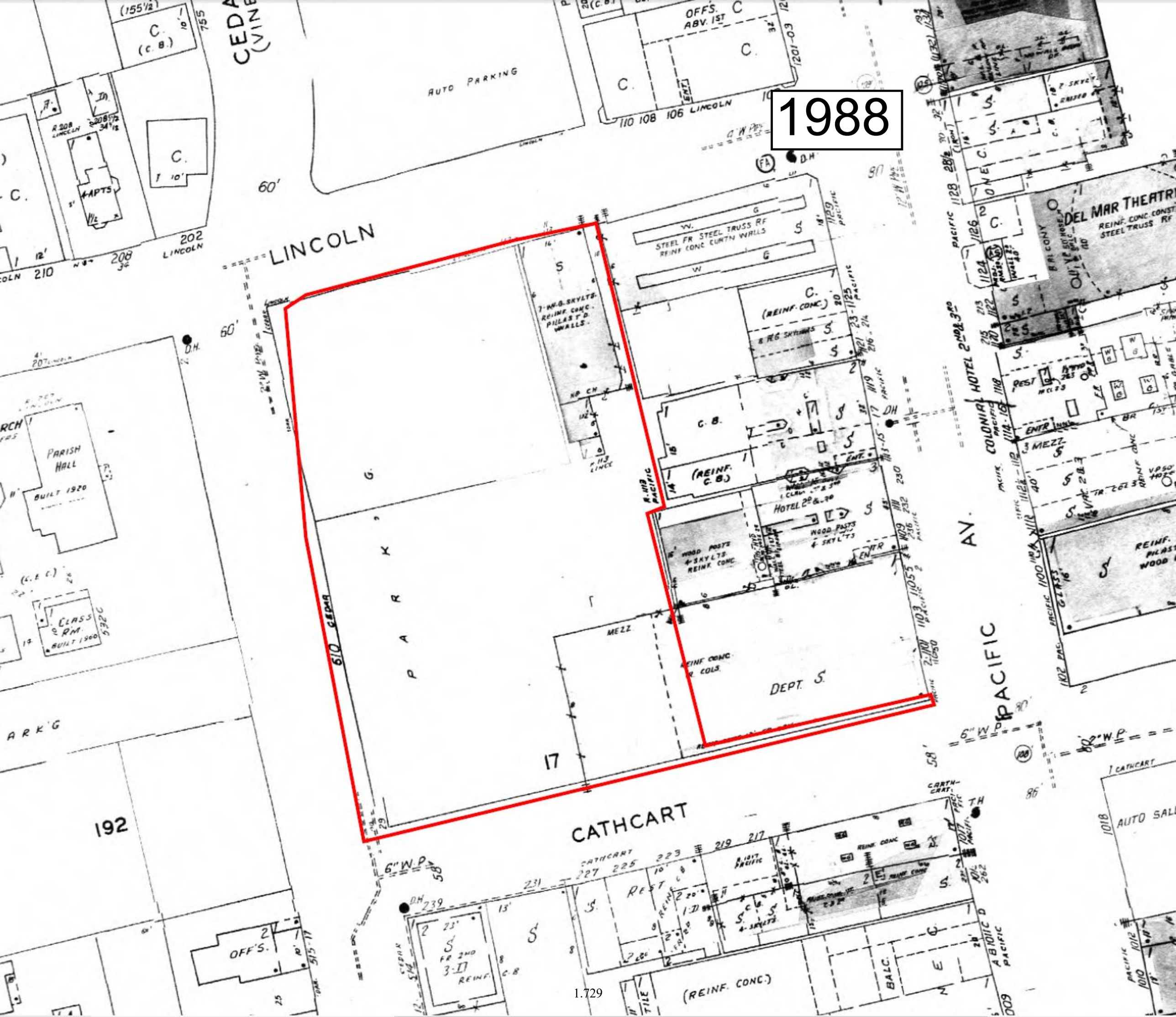

1888
LINCOLN
DUNCAN HO.
FURNISHED RMS
Real Est. Off.
B&S.
Vac. S.
Jewelry
Tailor
Fancy
Naturalist.
Gro. Storage.
Restr't.
Shoot'g Gal.
Paint Shop
Hay Storage
Drive
Dwg.
Boarding
Carriages & Agr. Imp's.
Milly
Hook & Ladder
Dr's Off.
CEDAR
WILKINS HO.
Kitchen
Dining Rm.
Sleeping Rm.
Hall
Shed
Hotel Rms.
Real Est. Off.
Painters Storage
Carp'r.
Plumb'g.
Store Rm.
Sal.
PACIFIC
AV.
17
H
1.724


1892
LINCOLN
CEDAR
LANE
PACIFIC
AV.
WILKINS HO.
DUNCAN HO.
Real Est. Off.
Barber
Candy
Milly
Dress Mkg.
Hay Storage
Boards
Shed
Wagon Shed
Carriages & Buggies
Picture Frames
Jap. Goods
Work Shop
Sal
B.&S.
Furne.
MICHIGAN LIVERY & FEED
Milly Furnd Rms.
Ins. Off.
Hose & Ladder
Gent's Furng.
Cigars
Carp'r.
Out Ho.
Kitch.
Sleeping Rm.
Laundry
Dining Rm.
Dress Mkg.
17
H


1905
LINCOLN
ST
PACIFIC
AV.
UNIQUE THEATRE
LIGHTS ELECTRIC
5 CHEMICAL EXTGRS
HALL 2d
FRENCH LAUNDRY
IRONS HEATED ON STOVE
OFFICE
Lodgings 2d
Lodgings 2d
BICYCLE REPAIRING
Restr.
Sal.
Offices
Office
FURNITURE SETTING UP
STORAGE
Bakery
KITCHEN & DINING RM. 2d
HOTEL GRAND CENTRAL 2d
17
192
(H)
BONNER LIVERY STABLES
BOWLING ALLEY
ENTRANCE
Restr.
Sal.
STORAGE
12" W. PIPE

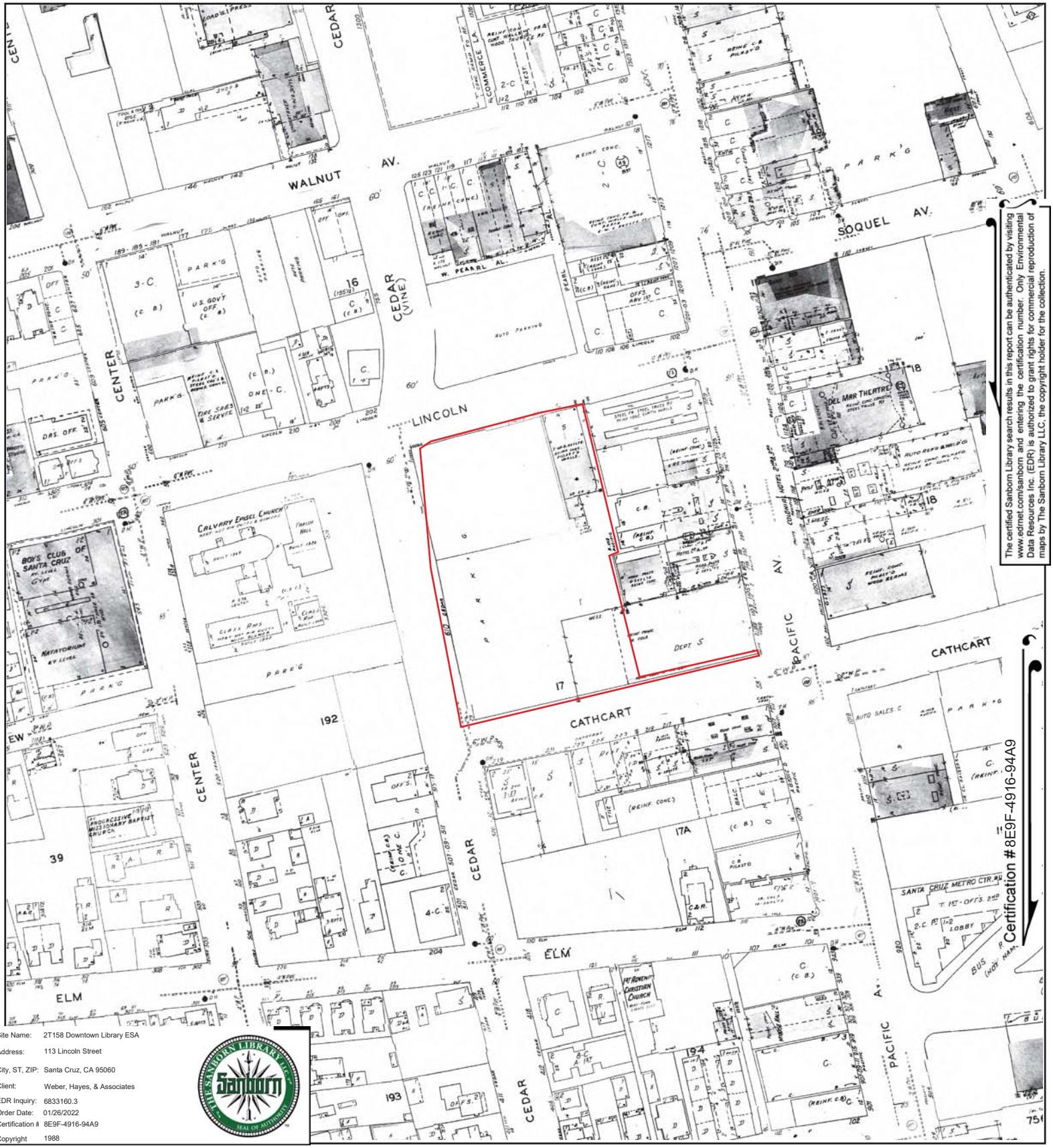

1928
W. PEARL ALLEY
PEARL
LINCOLN
UNIQUE THEATRE
HOTEL 2D
HOTEL 2D & 3D
HOTEL 2ND
PARISH HALL
CANDY FACTY.
KITCHEN
GAS KETTLES
REST & S
DRUGS
CLEANING
AUTO & STGE
REPG
STGE
REST
OFF
Pressing
Moving Pictures
Restr't.
Restr't
Entr
3 Mezz
REINF. CONC
16
17
192
86
80
50'


1950
LINCOLN
CATHCART
AUTO PARKING
AUTO PARKING
PARISH HALL
DEL MAR THEATRE
REINF. CONC CONSTN STEEL TRUSS RF
STEEL FR. STEEL TRUSS RF REINF CONC CURTN WALLS
7-W.G. SKYLTS. REINF. CONC PILASTRS WALLS
HOTEL 2D & 3RD
WOOD POSTS 4-SKYLTS REINF CONC
DEPT. S
MEZZ
REINF CONC 12' FR BBY
BOWLING REINF. CONC
10-W.G. SKYLTS
REST
FURNE
COLONIAL HOTEL
BALCONY
GAS & OIL
OFFD
4 APTS
16
17
192
80'
86'
58'
60'


1988
LINCOLN
CATHCART
PACIFIC
AV.
AUTO PARKING
PARISH HALL
BUILT 1920
CLASS RM.
BUILT 1960
DEL MAR THEATRE
COLONIAL HOTEL 2ND & 3RD
DEPT. S.
STEEL FR STEEL TRUSS RF
REINF CONC CURTN WALLS
(REINF. CONC.)
HOTEL 2D & 3D
WOOD POSTS
4 SKYLTS
REINF CONC
MEZZ
REINF CONC
COLS
OFFS.
ABV. 1ST
110 108 106 LINCOLN
202 LINCOLN
210
208
4 APTS
610 CEDAR
17
192
6" W.P.
2" W.P.
AUTO SALE
OFF'S.
REINF. CONC.
BALC.
TILE
REST
CATHCART
CARTH-CART
1.729

# Certified Sanborn® Map

1988

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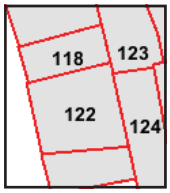
Certification # 8E9F-4916-94A9

| | |
|---|---|
| Site Name: | 2T158 Downtown Library ESA |
| Address: | 113 Lincoln Street |
| City, ST, ZIP: | Santa Cruz, CA 95060 |
| Client: | Weber, Hayes, & Associates |
| EDR Inquiry: | 6833160.3 |
| Order Date: | 01/26/2022 |
| Certification # | 8E9F-4916-94A9 |
| Copyright | 1988 |

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600




Volume 1, Sheet 124
Volume 1, Sheet 123
Volume 1, Sheet 122
Volume 1, Sheet 118

N

1.730

2T158 Downtown Library ESA
113 Lincoln Street
Santa Cruz, CA 95060

Inquiry Number: 6833160.4
January 25, 2022

# EDR Historical Topo Map Report
## with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

## EDR Historical Topo Map Report

01/25/22

| Site Name: | Client Name: |
|---|---|
| 2T158 Downtown Library ESA | Weber, Hayes, & Associates |
| 113 Lincoln Street | 120 Westgate Drive |
| Santa Cruz, CA 95060 | Watsonville, CA 95076 |
| EDR Inquiry # 6833160.4 | Contact: Shaun Ersoy |

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Weber, Hayes, & Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

| *Search Results:* | | *Coordinates:* | |
|---|---|---|---|
| **P.O.#** | 2T158 | **Latitude:** | 36.97206 36° 58' 19" North |
| **Project:** | 2T158 Downtown Library ESA | **Longitude:** | -122.02653 -122° 1' 36" West |
| | | **UTM Zone:** | Zone 10 North |
| | | **UTM X Meters:** | 586648.38 |
| | | **UTM Y Meters:** | 4092215.63 |
| | | **Elevation:** | 14.00' above sea level |

**Maps Provided:**

2018
2015
2012
1994
1980, 1981
1973
1968
1954

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## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2018 Source Sheets

Santa Cruz

7.5-minute, 24000

Soquel

7.5-minute, 24000

### 2015 Source Sheets

Santa Cruz

7.5-minute, 24000

Soquel

7.5-minute, 24000

### 2012 Source Sheets

Santa Cruz

7.5-minute, 24000

Soquel

7.5-minute, 24000

### 1994 Source Sheets

Soquel

7.5-minute, 24000
Aerial Photo Revised 1987

Santa Cruz

7.5-minute, 24000
Aerial Photo Revised 1987



## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1980, 1981 Source Sheets

Soquel

7.5-minute, 24000
Aerial Photo Revised 1978

Santa Cruz

7.5-minute, 24000
Aerial Photo Revised 1978

### 1973 Source Sheets

Santa Cruz

7.5-minute, 24000
Aerial Photo Revised 1973

### 1968 Source Sheets

Santa Cruz

7.5-minute, 24000
Aerial Photo Revised 1968

Soquel

7.5-minute, 24000
Aerial Photo Revised 1968

### 1954 Source Sheets

Santa Cruz

7.5-minute, 24000
Aerial Photo Revised 1952

Soquel

7.5-minute, 24000
Aerial Photo Revised 1952

## Historical Topo Map 2018

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Cruz, 2018, 7.5-minute
SE, Soquel, 2018, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N



## Historical Topo Map 2015

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Cruz, 2015, 7.5-minute
SE, Soquel, 2015, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N

## Historical Topo Map 2012

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

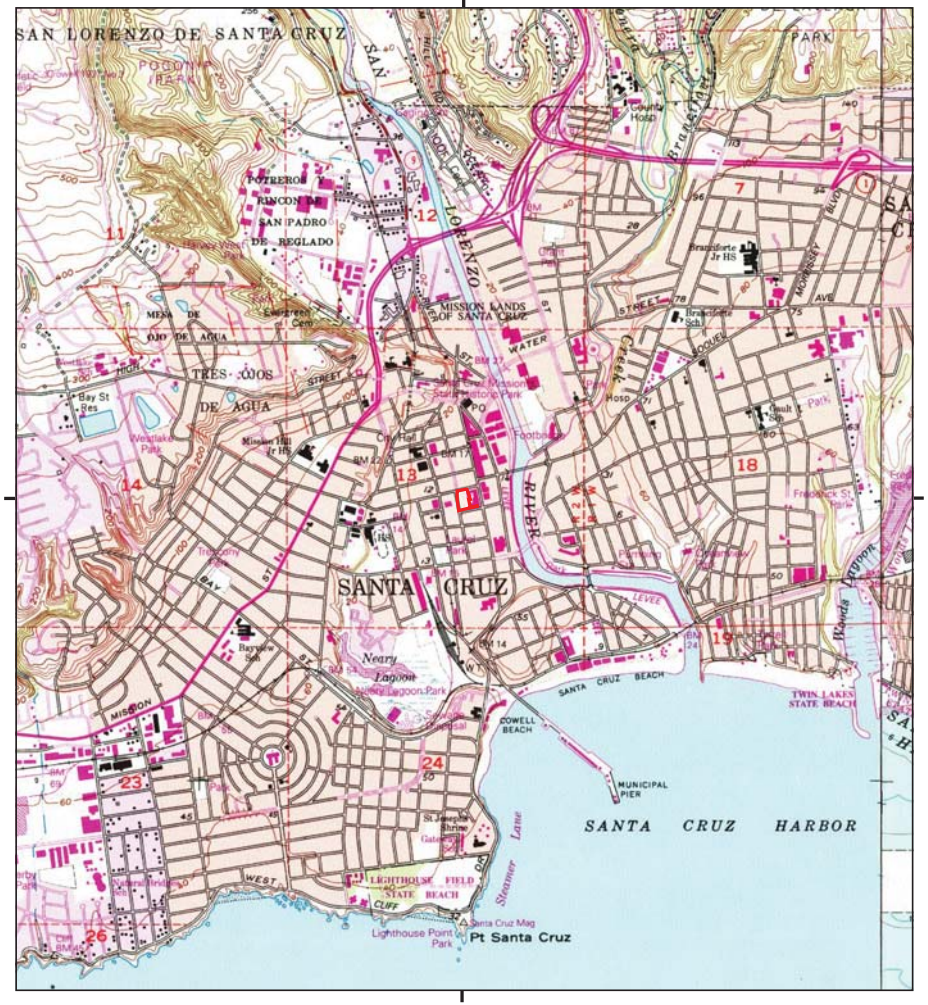
TP, Santa Cruz, 2012, 7.5-minute
SE, Soquel, 2012, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N



## Historical Topo Map 1994




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

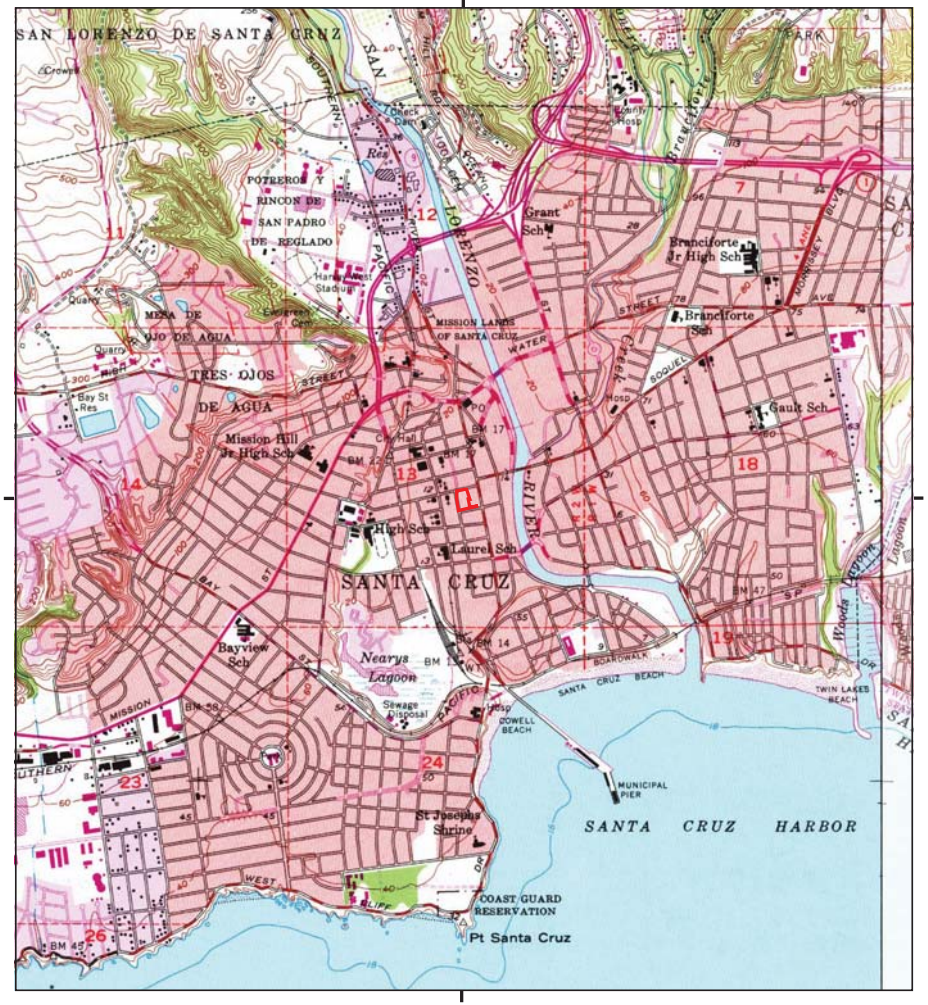
TP, Santa Cruz, 1994, 7.5-minute
SE, Soquel, 1994, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N

## Historical Topo Map

1980, 1981




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Cruz, 1981, 7.5-minute
SE, Soquel, 1980, 7.5-minute

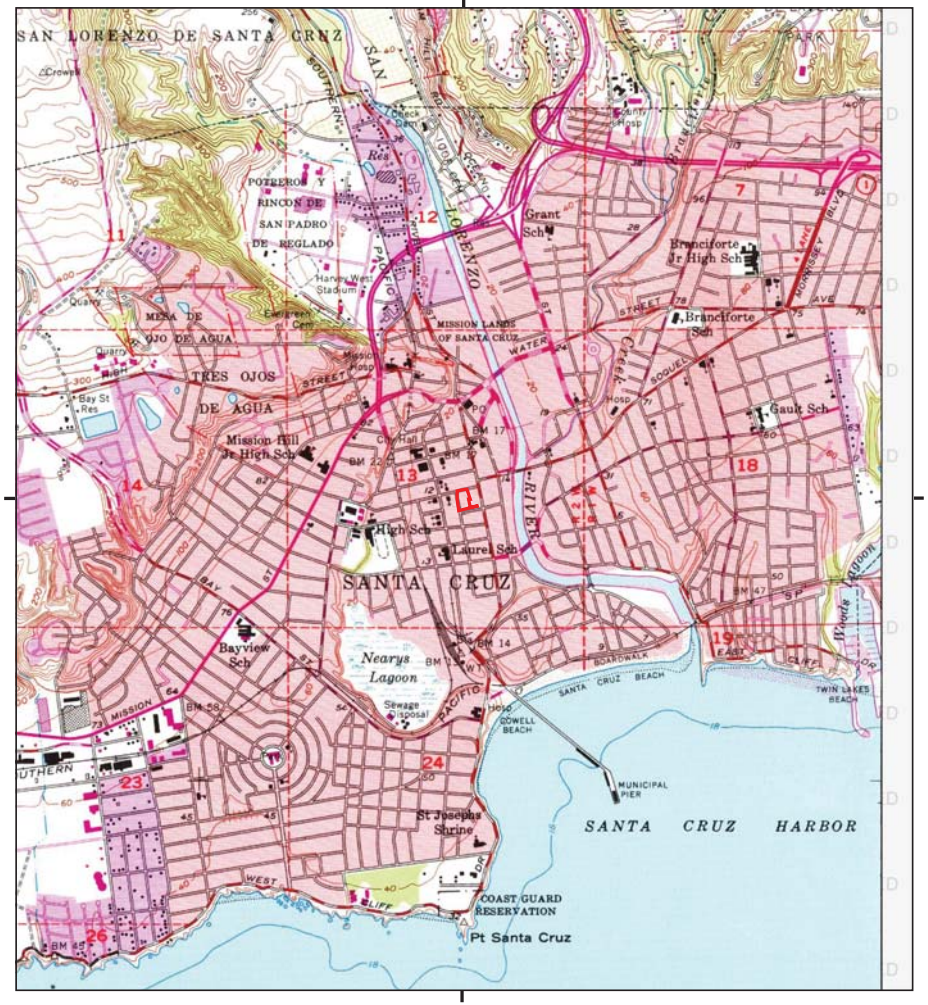
SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N



## Historical Topo Map

1973




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

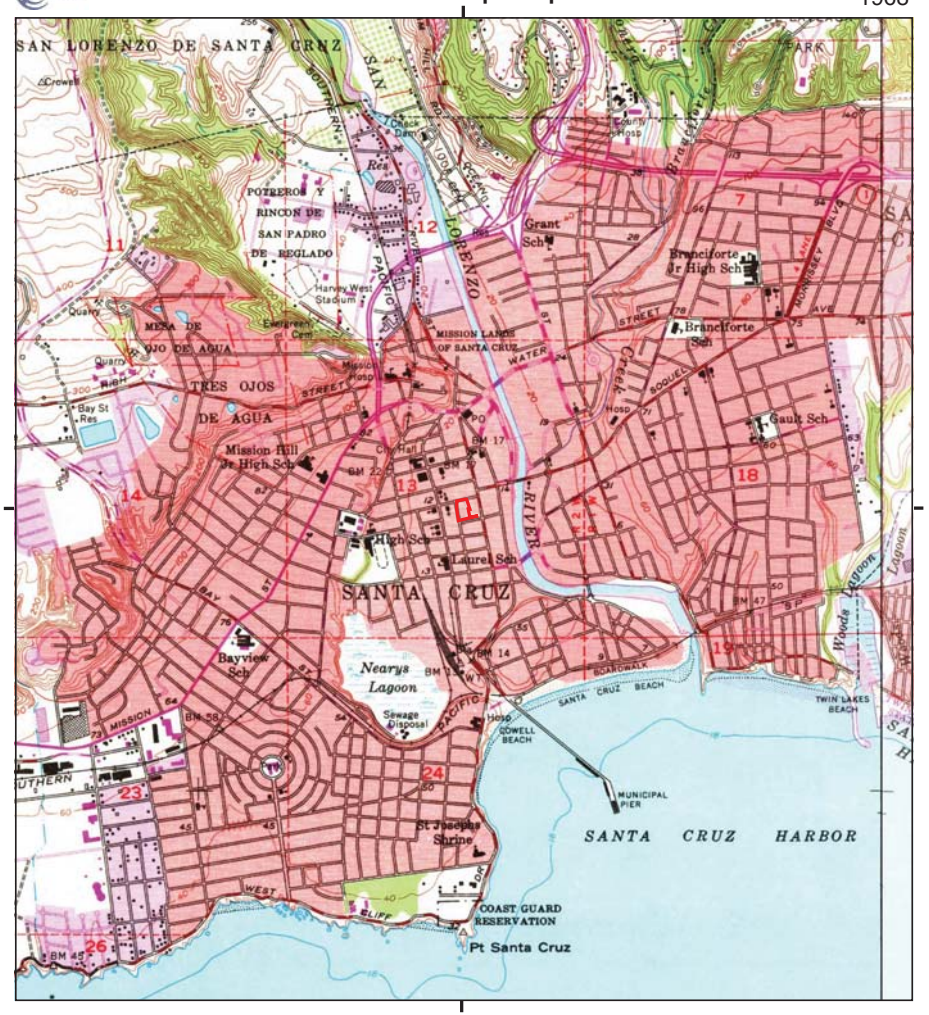
NW N NE
W E
SW S SE

TP, Santa Cruz, 1973, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

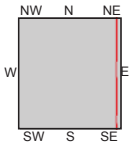
N

## Historical Topo Map 1968




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



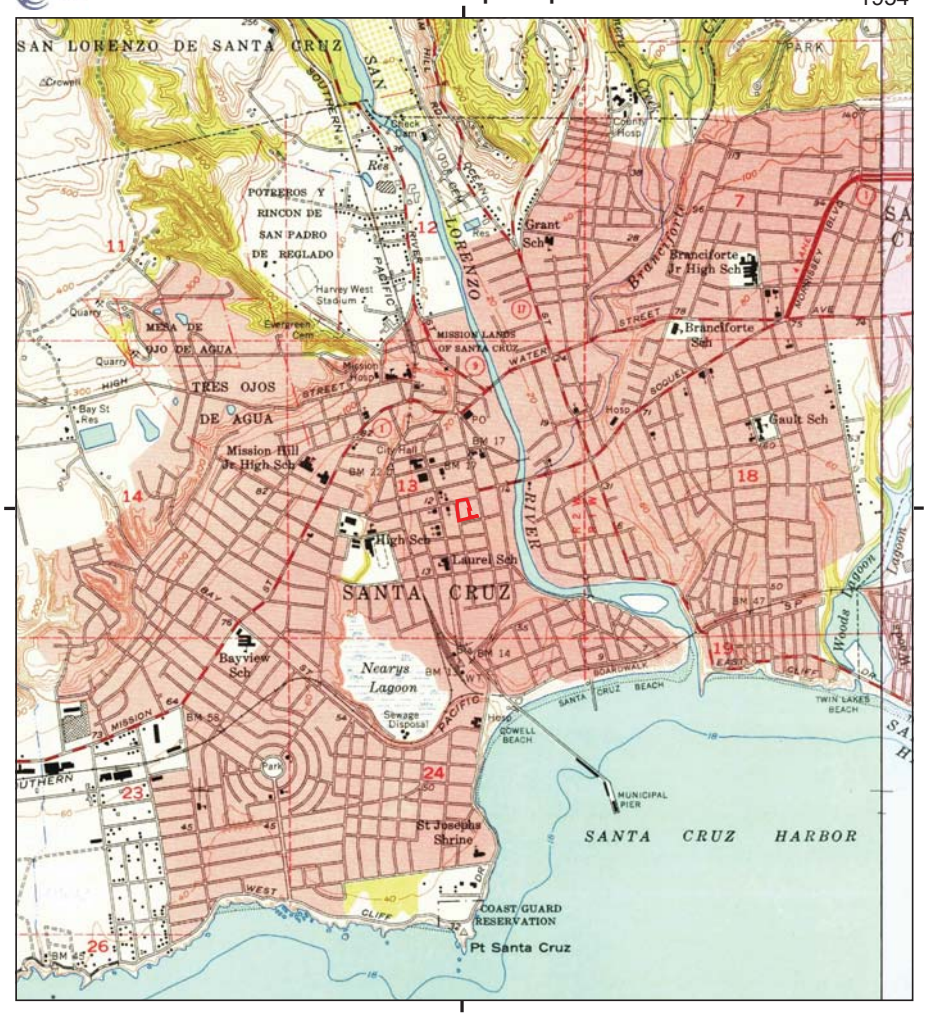

TP, Santa Cruz, 1968, 7.5-minute
SE, Soquel, 1968, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N

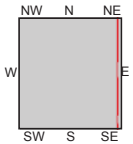


## Historical Topo Map 1954




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5




TP, Santa Cruz, 1954, 7.5-minute
SE, Soquel, 1954, 7.5-minute

SITE NAME: 2T158 Downtown Library ESA
ADDRESS: 113 Lincoln Street
Santa Cruz, CA 95060
CLIENT: Weber, Hayes, & Associates

N

# APPENDIX C

# EDR RADIUS REPORT
## (Database Report of Regulated Sites)

**2T158 Downtown Library ESA**
113 Lincoln Street
Santa Cruz, CA 95060

Inquiry Number: 6833160.2s
January 25, 2022

# The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com



FORM-LBC-DVV

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| Map Findings Summary | 4 |
| Map Findings | 9 |
| Orphan Summary | 792 |
| Government Records Searched/Data Currency Tracking | GR-1 |

## GEOCHECK ADDENDUM

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|---|---|
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| Physical Setting Source Summary | A-2 |
| Physical Setting SSURGO Soil Map | A-5 |
| Physical Setting Source Map | A-16 |
| Physical Setting Source Map Findings | A-18 |
| Physical Setting Source Records Searched | PSGR-1 |


***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

**TARGET PROPERTY INFORMATION**

**ADDRESS**

113 LINCOLN STREET
SANTA CRUZ, CA 95060

**COORDINATES**

| | |
|---|---|
| Latitude (North): | 36.9720600 - 36ˆ 58' 19.41'' |
| Longitude (West): | 122.0265300 - 122ˆ 1' 35.50'' |
| Universal Tranverse Mercator: | Zone 10 |
| UTM X (Meters): | 586650.5 |
| UTM Y (Meters): | 4092012.5 |
| Elevation: | 14 ft. above sea level |

**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

| | |
|---|---|
| Target Property Map: | 12007839 SANTA CRUZ, CA |
| Version Date: | 2018 |

**AERIAL PHOTOGRAPHY IN THIS REPORT**

| | |
|---|---|
| Portions of Photo from: | 20140613 |
| Source: | USDA |

## MAPPED SITES SUMMARY

Target Property Address:
113 LINCOLN STREET
SANTA CRUZ, CA 95060

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| A1 | ROYAL CLEANERS | 108 LINCOLN AV | EDR Hist Cleaner | Lower | 37, 0.007, NNE |
| B2 | VERIZON WIRELESS SAN | 1101 PACIFIC AVE | CUPA Listings, CERS | Lower | 68, 0.013, ESE |
| C3 | THE SPOKESMAN BICYCL | 231 CATHCART ST | RCRA NonGen / NLR | Lower | 87, 0.016, South |
| A4 | PLANNED PARENTHOOD M | 1119 PACIFIC AVE STE | RCRA NonGen / NLR | Lower | 104, 0.020, ENE |
| C5 | PACIFIC DRY CLEANERS | 511 CEDAR ST | RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, CUPA... | Higher | 127, 0.024, SSW |
| C6 | PACIFIC DRY CLEANERS | 511 CEDAR ST | EDR Hist Cleaner | Higher | 127, 0.024, SSW |
| B7 | PACIFIC UNION APARTM | 1018 PACIFIC AVENUE | LUST, CERS | Lower | 163, 0.031, ESE |
| B8 | PACIFIC UNION APARTM | 1018 PACIFIC AVENUE | LUST, Cortese | Lower | 163, 0.031, ESE |
| A9 | BANK OF AMERICA | 1128 PACIFIC AVE | LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS | Lower | 202, 0.038, ENE |
| A10 | GAP 137 | 1225 PACIFIC AVE | CERS HAZ WASTE, CERS, HWTS | Lower | 236, 0.045, NNE |
| A11 | GAP 137 | 1225 PACIFIC AVE | RCRA NonGen / NLR | Lower | 236, 0.045, NNE |
| D12 | SANTA CRUZ GOODYEAR | 220 LINCOLN ST | RCRA-SQG, FINDS, ECHO | Higher | 275, 0.052, WNW |
| E13 | BAY PHOTO INC SANTA | 119 WALNUT AVE | RCRA-SQG, FINDS, ECHO | Higher | 307, 0.058, NNW |
| F14 | FORMER GREYHOUND PAS | 425 FRONT STREET | RCRA-LQG, FINDS | Lower | 371, 0.070, ESE |
| F15 | GREYHOUND TERMINAL | 425 FRONT STREET | CPS-SLIC, CERS | Lower | 371, 0.070, ESE |
| F16 | GREYHOUND BUS DEPOT | 425 FRONT STREET | RESPONSE, ENVIROSTOR, CPS-SLIC, DEED | Lower | 371, 0.070, ESE |
| 17 | PIONEER SUPER SERVIC | 515 FRONT ST | EDR Hist Auto | Lower | 387, 0.073, ENE |
| D18 | BOYS & GIRLS CLUB OF | 543 CENTER ST | RCRA NonGen / NLR | Higher | 394, 0.075, West |
| D19 | BOYS & GIRLS CLUB OF | 543 CENTER STREET | RCRA NonGen / NLR | Higher | 394, 0.075, West |
| F20 | SANTA CRUZ METROPOLI | 920 PACIFIC AVE | RCRA NonGen / NLR | Lower | 410, 0.078, SE |
| F21 | SANTA CRUZ METROPOLI | 920 PACIFIC AVE | CPS-SLIC, HAZNET, CERS, HWTS | Lower | 410, 0.078, SE |
| D22 | MURPHY WILLIAMS BK & | 605 CENTER ST | EDR Hist Auto | Higher | 426, 0.081, WNW |
| E23 | PACIFIC THAI SANTA C | 1319 PACIFIC AVE | RCRA NonGen / NLR | Higher | 444, 0.084, North |
| G24 | MOBO SUSHI CORP | 901 PACIFIC AVENUE | RCRA NonGen / NLR | Lower | 521, 0.099, SSE |
| G25 | ANDY'S AUTO SUPPLY | 901 PACIFIC AVE | RCRA NonGen / NLR | Lower | 521, 0.099, SSE |
| G26 | ANDY'S AUTO SUPPLY | 901 PACIFIC AVE | CUPA Listings | Lower | 521, 0.099, SSE |
| H27 | FRONT STREET GARAGE | 601 FRONT STREET | LUST, Cortese, CERS | Lower | 531, 0.101, NE |
| F28 | HAROLD & GRACE SUNDE | 418 FRONT ST | SWEEPS UST | Lower | 553, 0.105, ESE |
| I29 | PESTANA PROPERTIES | 316 LINCOLN STREET | RCRA NonGen / NLR | Higher | 581, 0.110, West |
| I30 | PESTANA PROPERTIES | 316 LINCOLN STREET | RCRA NonGen / NLR | Higher | 581, 0.110, West |
| J31 | CITY OF SANTA CRUZ F | 711 CENTER ST | RCRA NonGen / NLR | Higher | 582, 0.110, NW |
| J32 | PACIFIC BELL NF101 | 709 CENTER ST | UST | Higher | 588, 0.111, NW |
| J33 | AT&T CALIFORNIA - NF | 709 CENTER ST | UST | Higher | 588, 0.111, NW |
| J34 | PACIFIC BELL | 709 CENTER STREET | RCRA-LQG, LUST, CERS HAZ WASTE, SWEEPS UST, HIST... | Higher | 588, 0.111, NW |
| K35 | 877 CEDAR STREET OWN | 877 CEDAR ST | RCRA NonGen / NLR | Higher | 595, 0.113, NNW |
| K36 | THE INTERNET STORE I | 877 CEDAR ST | CUPA Listings | Higher | 595, 0.113, NNW |
| H37 | FORMER KERRICKS LAUN | 600 FRONT STREET | CPS-SLIC, CERS | Lower | 670, 0.127, NE |
| H38 | SAN LORENZO PARK PLA | 600-720 FRONT ST | LUST | Lower | 670, 0.127, NE |
| H39 | CVS PHARMACY #9331 | 600 FRONT ST | CERS HAZ WASTE, CUPA Listings, CERS | Lower | 670, 0.127, NE |

MAPPED SITES SUMMARY

Target Property Address:
113 LINCOLN STREET
SANTA CRUZ, CA 95060

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| H40 | FRIEND, FRIEND & FRI | 600 FRONT STREET | RCRA NonGen / NLR | Lower | 670, 0.127, NE |
| H41 | CVS PHARMACY NO 9331 | 600 FRONT ST | RCRA-LQG, FINDS, ECHO | Lower | 670, 0.127, NE |
| H42 | SAN LORENZO PARK PLA | 600-601 FRONT ST (CO | LUST, Cortese, CERS | Lower | 670, 0.127, NE |
| L43 | SHERWIN-WILLIAMS #89 | 408 FRONT ST | CERS HAZ WASTE, CUPA Listings, CERS | Lower | 676, 0.128, SE |
| L44 | SHERWIN-WILLIAMS # 8 | 408 FRONT ST | RCRA NonGen / NLR | Lower | 676, 0.128, SE |
| L45 | PUTNEY & PERRY AUTO | 325 FRONT ST | RCRA-SQG, LUST, CPS-SLIC, SWEEPS UST, HIST UST, CA... | Lower | 700, 0.133, SE |
| M46 | MCPHERSON BUILDING | 705 FRONT ST | SWEEPS UST, CA FID UST | Lower | 701, 0.133, NNE |
| M47 | MCPHERSON ART & HIST | 705 FRONT ST | LUST, Cortese, HIST CORTESE, CERS | Lower | 701, 0.133, NNE |
| K48 | SANTA CRUZ SENTINEL | 207 CHURCH ST | RCRA-SQG, CPS-SLIC, FINDS, ECHO, HAZNET, NPDES,... | Higher | 701, 0.133, NNW |
| J49 | PACIFIC BELL | 224 WALNUT AVENUE | RCRA NonGen / NLR, FINDS, ECHO | Higher | 750, 0.142, WNW |
| M50 | TRADER JOES 193 | 700 FRONT ST | RCRA NonGen / NLR | Lower | 787, 0.149, NNE |
| M51 | TRADER JOE'S #193 | 700 FRONT ST | CERS HAZ WASTE, CERS | Lower | 787, 0.149, NNE |
| M52 | SAN LORENZO PARK PLA | 698-720 FRONT STREET | LUST, Cortese, CERS | Lower | 794, 0.150, NNE |
| K53 | ALAN HEIT, DDS INC | 903 CEDAR ST | RCRA NonGen / NLR | Higher | 813, 0.154, NNW |
| J54 | CITY OF SANTA CRUZ | 307 CHURCH ST | RCRA NonGen / NLR | Higher | 846, 0.160, NW |
| N55 | CALDERON TIRES | 309 FRONT ST | RCRA NonGen / NLR | Lower | 849, 0.161, SE |
| N56 | SHELL STATION | 100 LAUREL ST | LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS | Lower | 897, 0.170, SSE |
| O57 | SENTINEL PRINTERS | 912 CEDAR ST | Cortese, HAZNET, HWTS | Higher | 910, 0.172, NNW |
| O58 | SENTINEL PRINTERS | 912 CEDAR ST | LUST, CERS | Higher | 910, 0.172, NNW |
| O59 | MEHDI SHMIRZA | 912 CEDAR STREET | RCRA NonGen / NLR | Higher | 910, 0.172, NNW |
| 60 | SEANA MALLEN | 326 CHESTNUT STREET | RCRA NonGen / NLR | Higher | 938, 0.178, WSW |
| N61 | ANTON SANTA CRUZ, LL | 100 LAUREL STREET | RCRA NonGen / NLR | Lower | 940, 0.178, SE |
| N62 | ANTON SANTA CRUZ, LL | 100 LAUREL STREET | RCRA NonGen / NLR | Lower | 940, 0.178, SE |
| N63 | SHELL SERV STATION S | 100 LAUREL | RCRA-SQG, FINDS, ECHO | Lower | 940, 0.178, SE |
| N64 | TERENCE L ADAMS | 100 LAUREL | HIST UST | Lower | 940, 0.178, SE |
| N65 | HIGHTINGALE SHELL | 100 LAUREL ST | CA FID UST | Lower | 940, 0.178, SE |
| O66 | KAISER PERMANENTE SA | 115 LOCUST ST | RCRA NonGen / NLR | Higher | 943, 0.179, North |
| O67 | KAISER PERMANENTE | 115 LOCUST ST | CERS HAZ WASTE, CERS | Higher | 943, 0.179, North |
| N68 | S.L.R. PUMP STATION | FRONT AND LAUREL ST | CUPA Listings, CERS | Lower | 1032, 0.195, SE |
| O69 | STANDARD OIL COMPANY | 108 LOCUST STREET | ENVIROSTOR | Higher | 1044, 0.198, North |
| P70 | SANTA CRUZ MOTORSPOR | 211 CEDAR ST | CERS HAZ WASTE, CUPA Listings, CERS | Lower | 1068, 0.202, South |
| P71 | EUROTECHS | 211 CEDAR ST | RCRA-SQG, CPS-SLIC, FINDS, ECHO, HAZNET, HWTS | Lower | 1068, 0.202, South |
| P72 | FORMER EUROTECH | 211 CEDAR STREET | CPS-SLIC, CERS | Lower | 1068, 0.202, South |
| P73 | SANTA CRUZ MONTORSPO | 211 CEDAR ST | RCRA NonGen / NLR | Lower | 1068, 0.202, South |
| Q74 | PACIFIC BELL | 212 LOCUST STREET | RCRA NonGen / NLR, FINDS, ECHO | Higher | 1081, 0.205, NNW |
| Q75 | SANTA CRUZ MUNICIPAL | 212 LOCUST ST. SUITE | RCRA NonGen / NLR | Higher | 1081, 0.205, NNW |
| O76 | TI - CEDAR | 1005 CEDAR ST | RCRA NonGen / NLR | Higher | 1100, 0.208, NNW |
| Q77 | SANTA CRUZ WOMEN'S H | 250 LOCUST ST | RCRA NonGen / NLR | Higher | 1105, 0.209, NNW |
| 78 | FORMER FRENCH LAUNDR | 740 FRONT ST | LUST, Cortese, CERS | Lower | 1146, 0.217, NNE |

MAPPED SITES SUMMARY

Target Property Address:
113 LINCOLN STREET
SANTA CRUZ, CA 95060

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| R79 | WALGREENS #15108 | 201 FRONT STREET | RCRA-SQG | Lower | 1157, 0.219, SSE |
| R80 | WALGREENS #15108 | 201 FRONT ST | CUPA Listings | Lower | 1157, 0.219, SSE |
| R81 | TOYOTA OF SANTA CRUZ | 201 FRONT ST | RCRA-SQG, LUST, FINDS, ECHO, Cortese, HAZNET,... | Lower | 1157, 0.219, SSE |
| 82 | LIZA MILLER | 348 WASHINGTON ST | RCRA NonGen / NLR | Higher | 1176, 0.223, SSW |
| R83 | BUGFORMANCE OF SANTA | 220 FRONT ST | CERS HAZ WASTE, SWEEPS UST, HIST UST, CA FID UST,... | Lower | 1225, 0.232, SE |
| R84 | WHEEL WORKS # 8219 | 220 FRONT ST | RCRA NonGen / NLR | Lower | 1225, 0.232, SE |
| S85 | 7-ELEVEN INC. STORE | 602 LAUREL ST | CUPA Listings | Higher | 1285, 0.243, SW |
| Q86 | RONALD PERRIGO | 1010 CENTER ST | CPS-SLIC, HAZNET, HWTS | Higher | 1304, 0.247, NNW |
| 87 | UNION PACIFIC RAILRO | LOMA PRIETA PEAK | CUPA Listings, CERS | Higher | 1307, 0.248, WNW |
| S88 | UNDEVELOPED LAND | 155 CHESTNUT ST | ENVIROSTOR, LUST, Cortese, CERS | Higher | 1422, 0.269, SSW |
| 89 | PG&E GAS PLANT SANTA | W SIDE N PACIFIC ADJ | SEMS-ARCHIVE | Higher | 1501, 0.284, North |
| 90 | SHELL OIL COMPANY #1 | 728 CHESTNUT STREET | ENVIROSTOR | Higher | 1518, 0.287, NNW |
| 91 | SALVATION ARMY | 721 LAUREL ST | LUST, Cortese, CERS, HWTS | Higher | 1698, 0.322, SW |
| 92 | BOOMERANG PROPERTY | 503-555 PACIFIC AVEN | LUST, Cortese, CERS | Lower | 1704, 0.323, SSE |
| T93 | OCEAN CHEVROLET | 555 PACIFIC AVE | Cortese, HAZNET, HWTS | Lower | 1709, 0.324, South |
| T94 | OCEAN CHEVROLET | 555 PACIFIC AT SYCAM | LUST, HIST UST, RCRA NonGen / NLR, HAZNET, Notify... | Lower | 1709, 0.324, South |
| T95 | OCEAN CHEVROLET | 555 PACIFIC AVE | RCRA-SQG, LUST, SWEEPS UST, CA FID UST, FINDS,... | Lower | 1709, 0.324, South |
| U96 | SANTA CRUZ HIGH SCHO | 415 WALNUT ST | LUST, CERS HAZ WASTE, SWEEPS UST, CA FID UST,... | Higher | 1767, 0.335, WSW |
| U97 | SANTA CRUZ HIGH SCHO | 415 WALNUT ST | LUST, CUPA Listings, HIST CORTESE, Notify 65 | Higher | 1767, 0.335, WSW |
| V98 | PERRIGOS AUTO BODY | 251 WASHINGTON ST | RCRA-SQG, ENVIROSTOR, FINDS, ECHO, CUPA Listings | Lower | 1785, 0.338, SSW |
| V99 | UNION ICE PROPERTY | 2 JENNE ST | LUST, Cortese, HIST CORTESE, CERS | Lower | 1801, 0.341, SSW |
| 100 | BIBBINS PROPERTIES | 2020 NORTH PACIFIC A | CPS-SLIC, CERS | Higher | 1834, 0.347, North |
| 101 | FORMER BULK PLANT | 123 CENTER ST | CPS-SLIC, CERS | Lower | 2022, 0.383, South |
| W102 | SANITARY PLUMBING & | 413 PACIFIC AVENUE | Notify 65 | Higher | 2034, 0.385, South |
| W103 | SANITARY PLUMBING & | 413 PACIFIC AVE | LUST, SWEEPS UST, HIST UST, Cortese, HIST CORTESE,... | Higher | 2034, 0.385, South |
| X104 | 7-ELEVEN INC. STORE# | 335 MISSION ST | CERS HAZ WASTE, SWEEPS UST, CA FID UST, CERS... | Higher | 2046, 0.387, NW |
| X105 | ULTRAMAR BEACON #528 | 335 MISSION ST | LUST, CHMIRS, Cortese, HAZNET, HIST CORTESE, CERS,... | Higher | 2046, 0.387, NW |
| Y106 | TOSCO - FACILITY #02 | 433 OCEAN ST | LUST, Cortese | Higher | 2082, 0.394, ENE |
| Y107 | DAVENPORTS UNION 76 | 433 OCEAN ST | RCRA-SQG, WMUDS/SWAT, HIST UST | Higher | 2082, 0.394, ENE |
| Y108 | UNOCAL SERVICE STATI | 433 OCEAN ST | LUST, AST, SWEEPS UST, CUPA Listings, HIST... | Higher | 2082, 0.394, ENE |
| Z109 | WILSON, GEO INC | 125 RIVER ST | RESPONSE, ENVIROSTOR, LUST, HIST Cal-Sites, DEED,... | Higher | 2142, 0.406, North |
| X110 | RITTENHOUSE | 406 MISSION ST | LUST, Cortese, HIST CORTESE, CERS | Higher | 2237, 0.424, NW |
| 111 | PG AND E GAS PLANT S | W SIDE N PACIFIC ADJ | EDR MGP | Higher | 2241, 0.424, North |
| Z112 | LINDBERG STREET REDE | 110 LINDBERG STREET | RESPONSE, ENVIROSTOR | Lower | 2277, 0.431, North |
| Z113 | LINDBERG STREET REDE | 110 LINDBERG STREET | HIST Cal-Sites | Lower | 2277, 0.431, North |
| Z114 | PG&E, SANTA CRUZ MGP | NORTH PACIFIC AVENUE | ENVIROSTOR, VCP | Higher | 2301, 0.436, North |
| Z115 | MANUFACTURED GAS PLA | N PACIFIC AND RIVER | CPS-SLIC | Higher | 2301, 0.436, North |
| Z116 | FORMER MANUFACTURED | N PACIFIC AND RIVER | CPS-SLIC, CERS | Higher | 2301, 0.436, North |
| Y117 | CHEVRON STATION 9-04 | 404 SOQUEL AVE | LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,... | Higher | 2324, 0.440, ENE |

MAPPED SITES SUMMARY

Target Property Address:
113 LINCOLN STREET
SANTA CRUZ, CA 95060

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| AA118 | PACIFIC STREET, SANT | 303 PACIFIC ST | LUST, SWEEPS UST, Cortese, ENF, HIST CORTESE, CERS | Higher | 2326, 0.441, South |
| 119 | ARCO STATION #2132 ( | 411 SOQUEL AVE | LUST, Cortese, HIST CORTESE, CERS | Higher | 2333, 0.442, ENE |
| AB120 | US PRO | 823 MISSION ST | LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,... | Higher | 2338, 0.443, West |
| AC121 | FORMER GULF OIL SERV | 615 OCEAN ST | LUST, Cortese, CERS | Higher | 2381, 0.451, NE |
| AA122 | ROSSI PROPERTY | 302 PACIFIC AVE | LUST, Cortese, HIST CORTESE, Notify 65, CERS | Higher | 2402, 0.455, South |
| 123 | MASINI CAR REPAIR FA | 434 BARSON ST | LUST, HIST UST, Cortese, HIST CORTESE, CERS | Higher | 2425, 0.459, East |
| AC124 | FLEET OPERATIONS | 691 OCEAN ST | LUST, CERS HAZ WASTE, HIST UST, CERS TANKS,... | Higher | 2536, 0.480, NE |
| AB125 | CLOSED UNOCAL STATIO | 904 MISSION ST | LUST, CERS HAZ WASTE, SWEEPS UST, CERS TANKS,... | Higher | 2577, 0.488, West |
| 126 | EL RIO MOBILE HOME P | 2120 NORTH PACIFIC A | ENVIROSTOR, VCP | Lower | 2696, 0.511, North |
| 127 | | 355 HIGHLAND & HIGH | Notify 65 | Higher | 2964, 0.561, NW |
| AD128 | TIDEWATER ASSOCIATED | 331 RIVER STREET | ENVIROSTOR | Higher | 3215, 0.609, NNW |
| AD129 | STANDARD OIL COMPANY | 326 RIVER STREET | ENVIROSTOR | Higher | 3245, 0.615, NNW |
| 130 | NEARY LAGOON SKATE P | INTERDECTION OF BAY | ENVIROSTOR, VCP | Higher | 3412, 0.646, SSW |
| 131 | CALIF RADIOGRAPHICS | 375 CORAL ST | RCRA NonGen / NLR, FINDS, ECHO, HAZNET, HWP, CERS,... | Higher | 3629, 0.687, NNW |
| 132 | BEI-SCOTT COMPANY LL | 1400 OCEAN ST | HAZNET, Notify 65, HWTS | Higher | 4300, 0.814, NNE |
| 133 | TEXAS COMPANY, THE | 136 CORAL STREET | ENVIROSTOR | Higher | 4860, 0.920, NNW |
| 134 | SALZ LEATHERS RAW IM | 1040 RIVER STREET | ENVIROSTOR, LUST, CPS-SLIC, VCP, HIST UST, DEED,... | Higher | 4895, 0.927, North |

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

***Lists of Federal NPL (Superfund) sites***

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

***Lists of Federal Delisted NPL sites***

Delisted NPL ..... National Priority List Deletions

***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS ..... Corrective Action Report

***Lists of Federal RCRA TSD facilities***

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

***Lists of Federal RCRA generators***

RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

***Federal institutional controls / engineering controls registries***

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

***Federal ERNS list***

ERNS ..... Emergency Response Notification System

***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF ..... Solid Waste Information System

***Lists of state and tribal leaking storage tanks***

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

***Lists of state and tribal registered storage tanks***

FEMA UST ..... Underground Storage Tank Listing
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

***Lists of state and tribal voluntary cleanup sites***

INDIAN VCP ..... Voluntary Cleanup Priority Listing

***Lists of state and tribal brownfield sites***

BROWNFIELDS ..... Considered Brownfieds Sites Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS ..... A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL ..... Delisted National Clandestine Laboratory Register
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register
PFAS ..... PFAS Contamination Site Location Listing
AQUEOUS FOAM ..... Former Fire Training Facility Assessments Listing

***Local Land Records***

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information

***Records of Emergency Release Reports***

HMIRS ..... Hazardous Materials Information Reporting System

| | |
|---|---|
| CHMIRS | California Hazardous Material Incident Report System |
| LDS | Land Disposal Sites Listing |
| MCS | Military Cleanup Sites Listing |
| SPILLS 90 | SPILLS 90 data from FirstSearch |

***Other Ascertainable Records***

| | |
|---|---|
| FUDS | Formerly Used Defense Sites |
| DOD | Department of Defense Sites |
| SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing |
| US FIN ASSUR | Financial Assurance Information |
| EPA WATCH LIST | EPA WATCH LIST |
| 2020 COR ACTION | 2020 Corrective Action Program List |
| TSCA | Toxic Substances Control Act |
| TRIS | Toxic Chemical Release Inventory System |
| SSTS | Section 7 Tracking Systems |
| ROD | Records Of Decision |
| RMP | Risk Management Plans |
| RAATS | RCRA Administrative Action Tracking System |
| PRP | Potentially Responsible Parties |
| PADS | PCB Activity Database System |
| ICIS | Integrated Compliance Information System |
| FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| MLTS | Material Licensing Tracking System |
| COAL ASH DOE | Steam-Electric Plant Operation Data |
| COAL ASH EPA | Coal Combustion Residues Surface Impoundments List |
| PCB TRANSFORMER | PCB Transformer Registration Database |
| RADINFO | Radiation Information Database |
| HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing |
| DOT OPS | Incident and Accident Data |
| CONSENT | Superfund (CERCLA) Consent Decrees |
| INDIAN RESERV | Indian Reservations |
| FUSRAP | Formerly Utilized Sites Remedial Action Program |
| UMTRA | Uranium Mill Tailings Sites |
| LEAD SMELTERS | Lead Smelter Sites |
| US AIRS | Aerometric Information Retrieval System Facility Subsystem |
| US MINES | Mines Master Index File |
| ABANDONED MINES | Abandoned Mines |
| FINDS | Facility Index System/Facility Registry System |
| DOCKET HWC | Hazardous Waste Compliance Docket Listing |
| UXO | Unexploded Ordnance Sites |
| ECHO | Enforcement & Compliance History Information |
| FUELS PROGRAM | EPA Fuels Program Registered Listing |
| CA BOND EXP. PLAN | Bond Expenditure Plan |
| EMI | Emissions Inventory Data |
| ENF | Enforcement Action Listing |
| Financial Assurance | Financial Assurance Information Listing |
| HAZNET | Facility and Manifest Data |
| ICE | ICE |
| HWT | Registered Hazardous Waste Transporter Database |
| MINES | Mines Site Location Listing |
| MWMP | Medical Waste Management Program Listing |
| NPDES | NPDES Permits Listing |
| PEST LIC | Pesticide Regulation Licenses Listing |

PROC Certified Processors Database
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
HWTS Hazardous Waste Tracking System
MINES MRDS Mineral Resources Data System

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**STANDARD ENVIRONMENTAL RECORDS**

***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for

listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PG&E GAS PLANT SANTA<br>Site ID: 0902406<br>EPA Id: CAD981416100 | W SIDE N PACIFIC ADJ | N 1/4 - 1/2 (0.284 mi.) | 89 | 428 |

***Lists of Federal RCRA generators***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL***<br>EPA ID:: CAT080022361 | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***FORMER GREYHOUND PAS***<br>EPA ID:: CAC002662533 | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F14*** | ***109*** |
| ***CVS PHARMACY NO 9331***<br>EPA ID:: CAR000235424 | ***600 FRONT ST*** | ***NE 1/8 - 1/4 (0.127 mi.)*** | ***H41*** | ***191*** |

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 9 RCRA-SQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC DRY CLEANERS***<br>EPA ID:: CAD981632458 | ***511 CEDAR ST*** | ***SSW 0 - 1/8 (0.024 mi.)*** | ***C5*** | ***20*** |
| ***SANTA CRUZ GOODYEAR***<br>EPA ID:: CAD982370413 | ***220 LINCOLN ST*** | ***WNW 0 - 1/8 (0.052 mi.)*** | ***D12*** | ***103*** |
| ***BAY PHOTO INC SANTA*** | ***119 WALNUT AVE*** | ***NNW 0 - 1/8 (0.058 mi.)*** | ***E13*** | ***106*** |

| | | | | |
|---|---|---|---|---|
| EPA ID:: CAR000014498 | | | | |
| ***SANTA CRUZ SENTINEL*** EPA ID:: CAD013111687 | ***207 CHURCH ST*** | ***NNW 1/8 - 1/4 (0.133 mi.)*** | ***K48*** | ***247*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PUTNEY & PERRY AUTO*** EPA ID:: CAD982000184 | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |
| ***SHELL SERV STATION S*** EPA ID:: CAD980676084 | ***100 LAUREL*** | ***SE 1/8 - 1/4 (0.178 mi.)*** | ***N63*** | ***320*** |
| ***EUROTECHS*** EPA ID:: CAD981664303 | ***211 CEDAR ST*** | ***S 1/8 - 1/4 (0.202 mi.)*** | ***P71*** | ***342*** |
| WALGREENS #15108 EPA ID:: CAL000382271 | 201 FRONT STREET | SSE 1/8 - 1/4 (0.219 mi.) | R79 | 369 |
| ***TOYOTA OF SANTA CRUZ*** EPA ID:: CAD981158884 | ***201 FRONT ST*** | ***SSE 1/8 - 1/4 (0.219 mi.)*** | ***R81*** | ***375*** |

***Lists of state- and tribal (Superfund) equivalent sites***

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***WILSON, GEO INC*** Database: RESPONSE, Date of Government Version: 10/25/2021 Facility Id: 44990002 Status: Certified / Operation & Maintenance | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***GREYHOUND BUS DEPOT*** Database: RESPONSE, Date of Government Version: 10/25/2021 Facility Id: 60001132 Status: Certified / Operation & Maintenance | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F16*** | ***113*** |
| ***LINDBERG STREET REDE*** Database: RESPONSE, Date of Government Version: 10/25/2021 Facility Id: 44750005 Status: Certified | ***110 LINDBERG STREET*** | ***N 1/4 - 1/2 (0.431 mi.)*** | ***Z112*** | ***568*** |

***Lists of state- and tribal hazardous waste facilities***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which

there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/25/2021 has revealed that there are 14 ENVIROSTOR sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| STANDARD OIL COMPANY<br>Facility Id: 44510009<br>Status: Refer: RWQCB | 108 LOCUST STREET | N 1/8 - 1/4 (0.198 mi.) | O69 | 335 |
| ***UNDEVELOPED LAND***<br>Facility Id: 44420002<br>Status: Refer: Other Agency | ***155 CHESTNUT ST*** | ***SSW 1/4 - 1/2 (0.269 mi.)*** | ***S88*** | ***423*** |
| SHELL OIL COMPANY #1<br>Facility Id: 44510006<br>Status: Refer: RWQCB | 728 CHESTNUT STREET | NNW 1/4 - 1/2 (0.287 mi.) | 90 | 429 |
| ***WILSON, GEO INC***<br>Facility Id: 44990002<br>Status: Certified / Operation & Maintenance | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |
| ***PG&E, SANTA CRUZ MGP***<br>Facility Id: 60000413<br>Status: Active | ***NORTH PACIFIC AVENUE*** | ***N 1/4 - 1/2 (0.436 mi.)*** | ***Z114*** | ***581*** |
| TIDEWATER ASSOCIATED<br>Facility Id: 44510011<br>Status: Refer: RWQCB | 331 RIVER STREET | NNW 1/2 - 1 (0.609 mi.) | AD128 | 747 |
| STANDARD OIL COMPANY<br>Facility Id: 44510013<br>Status: Refer: RWQCB | 326 RIVER STREET | NNW 1/2 - 1 (0.615 mi.) | AD129 | 748 |
| ***NEARY LAGOON SKATE P***<br>Facility Id: 44790002<br>Status: Refer: Other Agency | ***INTERDECTION OF BAY*** | ***SSW 1/2 - 1 (0.646 mi.)*** | ***130*** | ***749*** |
| TEXAS COMPANY, THE<br>Facility Id: 44510010<br>Status: Refer: RWQCB | 136 CORAL STREET | NNW 1/2 - 1 (0.920 mi.) | 133 | 779 |
| ***SALZ LEATHERS RAW IM***<br>Facility Id: 1310005<br>Facility Id: 71002271<br>Status: Certified / Operation & Maintenance<br>Status: Inactive - Needs Evaluation | ***1040 RIVER STREET*** | ***N 1/2 - 1 (0.927 mi.)*** | ***134*** | ***780*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***GREYHOUND BUS DEPOT***<br>Facility Id: 60001132<br>Status: Certified / Operation & Maintenance | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F16*** | ***113*** |
| ***PERRIGOS AUTO BODY*** | ***251 WASHINGTON ST*** | ***SSW 1/4 - 1/2 (0.338 mi.)*** | ***V98*** | ***467*** |

| | | | | |
|---|---|---|---|---|
| Facility Id: 44720002<br>Status: Refer: Other Agency | | | | |
| ***LINDBERG STREET REDE*** | ***110 LINDBERG STREET*** | ***N 1/4 - 1/2 (0.431 mi.)*** | ***Z112*** | ***568*** |
| Facility Id: 44750005<br>Status: Certified | | | | |
| ***EL RIO MOBILE HOME P*** | ***2120 NORTH PACIFIC A*** | ***N 1/2 - 1 (0.511 mi.)*** | ***126*** | ***744*** |
| Facility Id: 44880001<br>Status: No Further Action | | | | |

***Lists of state and tribal leaking storage tanks***

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 37 LUST sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| Database: LUST REG 3, Date of Government Version: 05/19/2003<br>Database: LUST, Date of Government Version: 09/07/2021<br>Global ID: T0608700036<br>Status: Completed - Case Closed<br>Status: Case Closed<br>Global Id: T0608700036 | | | | |
| ***SENTINEL PRINTERS*** | ***912 CEDAR ST*** | ***NNW 1/8 - 1/4 (0.172 mi.)*** | ***O58*** | ***308*** |
| Database: LUST, Date of Government Version: 09/07/2021<br>Status: Completed - Case Closed<br>Global Id: T10000003100 | | | | |
| ***UNDEVELOPED LAND*** | ***155 CHESTNUT ST*** | ***SSW 1/4 - 1/2 (0.269 mi.)*** | ***S88*** | ***423*** |
| Database: LUST REG 3, Date of Government Version: 05/19/2003<br>Database: LUST, Date of Government Version: 09/07/2021<br>Global ID: T0608799980<br>Status: Completed - Case Closed<br>Status: Preliminary site assessment underway<br>Global Id: T0608799980 | | | | |
| ***SALVATION ARMY*** | ***721 LAUREL ST*** | ***SW 1/4 - 1/2 (0.322 mi.)*** | ***91*** | ***430*** |
| Database: LUST REG 3, Date of Government Version: 05/19/2003<br>Database: LUST, Date of Government Version: 09/07/2021<br>Global ID: T0608700171<br>Status: Completed - Case Closed<br>Status: Preliminary site assessment underway<br>Global Id: T0608700171 | | | | |
| ***SANTA CRUZ HIGH SCHO*** | ***415 WALNUT ST*** | ***WSW 1/4 - 1/2 (0.335 mi.)*** | ***U96*** | ***457*** |
| Database: LUST REG 3, Date of Government Version: 05/19/2003<br>Global ID: T0608700278<br>Status: Case Closed | | | | |
| ***SANTA CRUZ HIGH SCHO*** | ***415 WALNUT ST*** | ***WSW 1/4 - 1/2 (0.335 mi.)*** | ***U97*** | ***465*** |
| Database: LUST, Date of Government Version: 09/07/2021 | | | | |

Status: Completed - Case Closed
Global Id: T0608700278

***SANITARY PLUMBING &*** ***413 PACIFIC AVE*** ***S 1/4 - 1/2 (0.385 mi.)*** ***W103*** ***478***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700184
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700184

***ULTRAMAR BEACON #528*** ***335 MISSION ST*** ***NW 1/4 - 1/2 (0.387 mi.)*** ***X105*** ***501***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700260
Status: Completed - Case Closed
Status: Remedial action (cleanup) Underway
Global Id: T0608700260

***TOSCO - FACILITY #02*** ***433 OCEAN ST*** ***ENE 1/4 - 1/2 (0.394 mi.)*** ***Y106*** ***516***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Global ID: T0608700272
Status: Post remedial action monitoring

***UNOCAL SERVICE STATI*** ***433 OCEAN ST*** ***ENE 1/4 - 1/2 (0.394 mi.)*** ***Y108*** ***522***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608700272

***WILSON, GEO INC*** ***125 RIVER ST*** ***N 1/4 - 1/2 (0.406 mi.)*** ***Z109*** ***529***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700211
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700211

***RITTENHOUSE*** ***406 MISSION ST*** ***NW 1/4 - 1/2 (0.424 mi.)*** ***X110*** ***565***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700309
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700309

***CHEVRON STATION 9-04*** ***404 SOQUEL AVE*** ***ENE 1/4 - 1/2 (0.440 mi.)*** ***Y117*** ***602***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700233
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700233

***PACIFIC STREET, SANT*** ***303 PACIFIC ST*** ***S 1/4 - 1/2 (0.441 mi.)*** ***AA118*** ***622***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700258
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700258

***ARCO STATION #2132 (*** ***411 SOQUEL AVE*** ***ENE 1/4 - 1/2 (0.442 mi.)*** ***119*** ***630***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021

Global ID: T0608700257
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700257

***US PRO*** ***823 MISSION ST*** ***W 1/4 - 1/2 (0.443 mi.)*** ***AB120*** ***634***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700030
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700030

***FORMER GULF OIL SERV*** ***615 OCEAN ST*** ***NE 1/4 - 1/2 (0.451 mi.)*** ***AC121*** ***660***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700151
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700151

***ROSSI PROPERTY*** ***302 PACIFIC AVE*** ***S 1/4 - 1/2 (0.455 mi.)*** ***AA122*** ***662***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700135
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700135

***MASINI CAR REPAIR FA*** ***434 BARSON ST*** ***E 1/4 - 1/2 (0.459 mi.)*** ***123*** ***667***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700256
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700256

***FLEET OPERATIONS*** ***691 OCEAN ST*** ***NE 1/4 - 1/2 (0.480 mi.)*** ***AC124*** ***674***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700182
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700182
Global Id: T0608786620

***CLOSED UNOCAL STATIO*** ***904 MISSION ST*** ***W 1/4 - 1/2 (0.488 mi.)*** ***AB125*** ***697***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700091
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608769288

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC UNION APARTM*** | ***1018 PACIFIC AVENUE*** | ***ESE 0 - 1/8 (0.031 mi.)*** | ***B7*** | ***87*** |

Database: LUST REG 3, Date of Government Version: 05/19/2003
Global ID: T0608716522

Status: Remediation Plan

***PACIFIC UNION APARTM*** ***1018 PACIFIC AVENUE*** ***ESE 0 - 1/8 (0.031 mi.)*** ***B8*** ***89***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608716522

***BANK OF AMERICA*** ***1128 PACIFIC AVE*** ***ENE 0 - 1/8 (0.038 mi.)*** ***A9*** ***94***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700061
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700061

***FRONT STREET GARAGE*** ***601 FRONT STREET*** ***NE 0 - 1/8 (0.101 mi.)*** ***H27*** ***150***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700167
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700167

SAN LORENZO PARK PLA 600-720 FRONT ST NE 1/8 - 1/4 (0.127 mi.) H38 182
Database: LUST REG 3, Date of Government Version: 05/19/2003
Global ID: T0608733661
Status: Preliminary site assessment underway

***SAN LORENZO PARK PLA*** ***600-601 FRONT ST (CO*** ***NE 1/8 - 1/4 (0.127 mi.)*** ***H42*** ***202***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608733661

***PUTNEY & PERRY AUTO*** ***325 FRONT ST*** ***SE 1/8 - 1/4 (0.133 mi.)*** ***L45*** ***218***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700277
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700277

***MCPHERSON ART & HIST*** ***705 FRONT ST*** ***NNE 1/8 - 1/4 (0.133 mi.)*** ***M47*** ***244***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700042
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700042

***SAN LORENZO PARK PLA*** ***698-720 FRONT STREET*** ***NNE 1/8 - 1/4 (0.150 mi.)*** ***M52*** ***281***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608733888

***SHELL STATION*** ***100 LAUREL ST*** ***SSE 1/8 - 1/4 (0.170 mi.)*** ***N56*** ***296***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700047
Status: Completed - Case Closed
Status: Preliminary site assessment workplan submitted
Global Id: T0608700047

***FORMER FRENCH LAUNDR*** ***740 FRONT ST*** ***NNE 1/8 - 1/4 (0.217 mi.)*** ***78*** ***364***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021

Global ID: T0608776495
Status: Completed - Case Closed
Status: Remediation Plan
Global Id: T0608776495

***TOYOTA OF SANTA CRUZ*** ***201 FRONT ST*** ***SSE 1/8 - 1/4 (0.219 mi.)*** ***R81*** ***375***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700121
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700121

***BOOMERANG PROPERTY*** ***503-555 PACIFIC AVEN*** ***SSE 1/4 - 1/2 (0.323 mi.)*** ***92*** ***434***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608743945

***OCEAN CHEVROLET*** ***555 PACIFIC AT SYCAM*** ***S 1/4 - 1/2 (0.324 mi.)*** ***T94*** ***440***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0608700285

***OCEAN CHEVROLET*** ***555 PACIFIC AVE*** ***S 1/4 - 1/2 (0.324 mi.)*** ***T95*** ***451***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Global ID: T0608700285
Status: Case Closed

***UNION ICE PROPERTY*** ***2 JENNE ST*** ***SSW 1/4 - 1/2 (0.341 mi.)*** ***V99*** ***471***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 09/07/2021
Global ID: T0608700044
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700044

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 13 CPS-SLIC sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SANTA CRUZ SENTINEL*** | ***207 CHURCH ST*** | ***NNW 1/8 - 1/4 (0.133 mi.)*** | ***K48*** | ***247*** |
| Database: CPS-SLIC, Date of Government Version: 09/07/2021<br>Global Id: T10000001572<br>Facility Status: Completed - Case Closed | | | | |
| ***RONALD PERRIGO*** | ***1010 CENTER ST*** | ***NNW 1/8 - 1/4 (0.247 mi.)*** | ***Q86*** | ***419*** |
| Database: CPS-SLIC, Date of Government Version: 09/07/2021<br>Global Id: T10000013953<br>Facility Status: Open - Site Assessment | | | | |
| ***BIBBINS PROPERTIES*** | ***2020 NORTH PACIFIC A*** | ***N 1/4 - 1/2 (0.347 mi.)*** | ***100*** | ***476*** |
| Database: CPS-SLIC, Date of Government Version: 09/07/2021 | | | | |

Global Id: T10000004553
Facility Status: Completed - Case Closed

| | | | | |
|---|---|---|---|---|
| MANUFACTURED GAS PLA | N PACIFIC AND RIVER | N 1/4 - 1/2 (0.436 mi.) | Z115 | 600 |

Database: SLIC REG 3, Date of Government Version: 05/18/2006
Facility Status: Remedial Action Plan Underway/Ongoing

| | | | | |
|---|---|---|---|---|
| ***FORMER MANUFACTURED*** | ***N PACIFIC AND RIVER*** | ***N 1/4 - 1/2 (0.436 mi.)*** | ***Z116*** | ***600*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SLT3S2001337
Facility Status: Open - Remediation

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***GREYHOUND TERMINAL*** | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F15*** | ***112*** |

Database: SLIC REG 3, Date of Government Version: 05/18/2006

| | | | | |
|---|---|---|---|---|
| ***GREYHOUND BUS DEPOT*** | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F16*** | ***113*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SL0608724434
Facility Status: Open - Verification Monitoring

| | | | | |
|---|---|---|---|---|
| ***SANTA CRUZ METROPOLI*** | ***920 PACIFIC AVE*** | ***SE 0 - 1/8 (0.078 mi.)*** | ***F21*** | ***137*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: T10000006376
Facility Status: Open - Site Assessment

| | | | | |
|---|---|---|---|---|
| ***FORMER KERRICKS LAUN*** | ***600 FRONT STREET*** | ***NE 1/8 - 1/4 (0.127 mi.)*** | ***H37*** | ***181*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: T10000002689
Facility Status: Open - Site Assessment

| | | | | |
|---|---|---|---|---|
| ***PUTNEY & PERRY AUTO*** | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: T10000016719
Facility Status: Open - Assessment & Interim Remedial Action

| | | | | |
|---|---|---|---|---|
| ***EUROTECHS*** | ***211 CEDAR ST*** | ***S 1/8 - 1/4 (0.202 mi.)*** | ***P71*** | ***342*** |

Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SL0608745895
Facility Status: Completed - Case Closed

| | | | | |
|---|---|---|---|---|
| ***FORMER EUROTECH*** | ***211 CEDAR STREET*** | ***S 1/8 - 1/4 (0.202 mi.)*** | ***P72*** | ***349*** |

Database: SLIC REG 3, Date of Government Version: 05/18/2006
Facility Status: Case Closed

| | | | | |
|---|---|---|---|---|
| ***FORMER BULK PLANT*** | ***123 CENTER ST*** | ***S 1/4 - 1/2 (0.383 mi.)*** | ***101*** | ***477*** |

Database: SLIC REG 3, Date of Government Version: 05/18/2006
Database: CPS-SLIC, Date of Government Version: 09/07/2021
Global Id: SL0608717300
Facility Status: Case Closed
Facility Status: Completed - Case Closed

***Lists of state and tribal registered storage tanks***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within

approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PACIFIC BELL NF101<br>Database: UST, Date of Government Version: 09/07/2021<br>Facility Id: FA0001736 | 709 CENTER ST | NW 0 - 1/8 (0.111 mi.) | J32 | 162 |
| AT&T CALIFORNIA - NF<br>Database: UST, Date of Government Version: 09/07/2021 | 709 CENTER ST | NW 0 - 1/8 (0.111 mi.) | J33 | 162 |

***Lists of state and tribal voluntary cleanup sites***

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/25/2021 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PG&E, SANTA CRUZ MGP***<br>Status: Active<br>Facility Id: 60000413 | ***NORTH PACIFIC AVENUE*** | ***N 1/4 - 1/2 (0.436 mi.)*** | ***Z114*** | ***581*** |

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***DAVENPORTS UNION 76*** | ***433 OCEAN ST*** | ***ENE 1/4 - 1/2 (0.394 mi.)*** | ***Y107*** | ***517*** |

***Local Lists of Hazardous waste / Contaminated Sites***

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***WILSON, GEO INC*** | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| LINDBERG STREET REDE | 110 LINDBERG STREET | N 1/4 - 1/2 (0.431 mi.) | Z113 | 574 |

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/18/2021 has revealed that there are 9 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC DRY CLEANERS*** | ***511 CEDAR ST*** | ***SSW 0 - 1/8 (0.024 mi.)*** | ***C5*** | ***20*** |
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| ***KAISER PERMANENTE*** | ***115 LOCUST ST*** | ***N 1/8 - 1/4 (0.179 mi.)*** | ***O67*** | ***327*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***GAP 137*** | ***1225 PACIFIC AVE*** | ***NNE 0 - 1/8 (0.045 mi.)*** | ***A10*** | ***98*** |
| ***CVS PHARMACY #9331*** | ***600 FRONT ST*** | ***NE 1/8 - 1/4 (0.127 mi.)*** | ***H39*** | ***183*** |
| ***SHERWIN-WILLIAMS #89*** | ***408 FRONT ST*** | ***SE 1/8 - 1/4 (0.128 mi.)*** | ***L43*** | ***211*** |
| ***TRADER JOE'S #193*** | ***700 FRONT ST*** | ***NNE 1/8 - 1/4 (0.149 mi.)*** | ***M51*** | ***277*** |
| ***SANTA CRUZ MOTORSPOR*** | ***211 CEDAR ST*** | ***S 1/8 - 1/4 (0.202 mi.)*** | ***P70*** | ***336*** |
| ***BUGFORMANCE OF SANTA*** | ***220 FRONT ST*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***R83*** | ***408*** |

***Local Lists of Registered Storage Tanks***

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL***<br>Status: A<br>Tank Status: A<br>Comp Number: 57740 | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BANK OF AMERICA***<br>Comp Number: 68531 | ***1128 PACIFIC AVE*** | ***ENE 0 - 1/8 (0.038 mi.)*** | ***A9*** | ***94*** |
| HAROLD & GRACE SUNDE<br>Comp Number: 68529 | 418 FRONT ST | ESE 0 - 1/8 (0.105 mi.) | F28 | 154 |
| ***PUTNEY & PERRY AUTO***<br>Comp Number: 11757 | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |
| ***MCPHERSON BUILDING*** | ***705 FRONT ST*** | ***NNE 1/8 - 1/4 (0.133 mi.)*** | ***M46*** | ***243*** |

| | | | | |
|---|---|---|---|---|
| Comp Number: 4482 | | | | |
| ***SHELL STATION*** | ***100 LAUREL ST*** | ***SSE 1/8 - 1/4 (0.170 mi.)*** | ***N56*** | ***296*** |
| Comp Number: 5814 | | | | |
| ***BUGFORMANCE OF SANTA*** | ***220 FRONT ST*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***R83*** | ***408*** |
| Comp Number: 43273 | | | | |

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| Facility Id: 00000057740 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PUTNEY & PERRY AUTO*** | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |
| Facility Id: 00000011757 | | | | |
| TERENCE L ADAMS | 100 LAUREL | SE 1/8 - 1/4 (0.178 mi.) | N64 | 323 |
| Facility Id: 00000005814 | | | | |
| ***BUGFORMANCE OF SANTA*** | ***220 FRONT ST*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***R83*** | ***408*** |
| Facility Id: 00000043273 | | | | |

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/18/2021 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| Facility Id: 44000130 | | | | |
| Status: A | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PUTNEY & PERRY AUTO*** | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |

| | | | | |
|---|---|---|---|---|
| Facility Id: 44000072<br>Status: I | | | | |
| ***MCPHERSON BUILDING***<br>Facility Id: 44000108<br>Status: I | ***705 FRONT ST*** | ***NNE 1/8 - 1/4 (0.133 mi.)*** | ***M46*** | ***243*** |
| HIGHTINGALE SHELL<br>Facility Id: 44000139<br>Status: A | 100 LAUREL ST | SE 1/8 - 1/4 (0.178 mi.) | N65 | 324 |
| ***BUGFORMANCE OF SANTA***<br>Facility Id: 44000834<br>Status: I | ***220 FRONT ST*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***R83*** | ***408*** |

### *Local Land Records*

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 08/30/2021 has revealed that there are 4 DEED sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***7-ELEVEN INC. STORE#***<br>Status: COMPLETED - CASE CLOSED<br>Envirostor ID: T0608700260 | ***335 MISSION ST*** | ***NW 1/4 - 1/2 (0.387 mi.)*** | ***X104*** | ***482*** |
| ***WILSON, GEO INC***<br>Status: CERTIFIED / OPERATION & MAINTENANCE<br>Envirostor ID: 44990002 | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***GREYHOUND BUS DEPOT***<br>Status: CERTIFIED / OPERATION & MAINTENANCE<br>Envirostor ID: 60001132 | ***425 FRONT STREET*** | ***ESE 0 - 1/8 (0.070 mi.)*** | ***F16*** | ***113*** |
| ***PUTNEY & PERRY AUTO***<br>Status: COMPLETED - CASE CLOSED<br>Envirostor ID: T0608700277 | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |

### *Other Ascertainable Records*

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 32 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| BOYS & GIRLS CLUB OF | 543 CENTER ST | W 0 - 1/8 (0.075 mi.) | D18 | 129 |
| BOYS & GIRLS CLUB OF | 543 CENTER STREET | W 0 - 1/8 (0.075 mi.) | D19 | 132 |
| PACIFIC THAI SANTA C | 1319 PACIFIC AVE | N 0 - 1/8 (0.084 mi.) | E23 | 142 |
| PESTANA PROPERTIES | 316 LINCOLN STREET | W 0 - 1/8 (0.110 mi.) | I29 | 155 |
| PESTANA PROPERTIES | 316 LINCOLN STREET | W 0 - 1/8 (0.110 mi.) | I30 | 157 |
| CITY OF SANTA CRUZ F<br>EPA ID:: CAL000221602 | 711 CENTER ST | NW 0 - 1/8 (0.110 mi.) | J31 | 160 |
| 877 CEDAR STREET OWN<br>EPA ID:: CAL000378205 | 877 CEDAR ST | NNW 0 - 1/8 (0.113 mi.) | K35 | 178 |
| ***PACIFIC BELL***<br>EPA ID:: CAT080021041 | ***224 WALNUT AVENUE*** | ***WNW 1/8 - 1/4 (0.142 mi.)*** | ***J49*** | ***271*** |
| ALAN HEIT, DDS INC<br>EPA ID:: CAL000095732 | 903 CEDAR ST | NNW 1/8 - 1/4 (0.154 mi.) | K53 | 288 |
| CITY OF SANTA CRUZ | 307 CHURCH ST | NW 1/8 - 1/4 (0.160 mi.) | J54 | 291 |
| MEHDI SHMIRZA<br>EPA ID:: CAC003053282 | 912 CEDAR STREET | NNW 1/8 - 1/4 (0.172 mi.) | O59 | 310 |
| SEANA MALLEN | 326 CHESTNUT STREET | WSW 1/8 - 1/4 (0.178 mi.) | 60 | 313 |
| KAISER PERMANENTE SA<br>EPA ID:: CAL000431802 | 115 LOCUST ST | N 1/8 - 1/4 (0.179 mi.) | O66 | 325 |
| ***PACIFIC BELL***<br>EPA ID:: CAT080021017 | ***212 LOCUST STREET*** | ***NNW 1/8 - 1/4 (0.205 mi.)*** | ***Q74*** | ***353*** |
| SANTA CRUZ MUNICIPAL<br>EPA ID:: CAC002977483 | 212 LOCUST ST. SUITE | NNW 1/8 - 1/4 (0.205 mi.) | Q75 | 356 |
| TI - CEDAR<br>EPA ID:: CAC002991643 | 1005 CEDAR ST | NNW 1/8 - 1/4 (0.208 mi.) | O76 | 359 |
| SANTA CRUZ WOMEN'S H<br>EPA ID:: CAL000395565 | 250 LOCUST ST | NNW 1/8 - 1/4 (0.209 mi.) | Q77 | 361 |
| LIZA MILLER<br>EPA ID:: CAC003044683 | 348 WASHINGTON ST | SSW 1/8 - 1/4 (0.223 mi.) | 82 | 405 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| THE SPOKESMAN BICYCL<br>EPA ID:: CAL000299571 | 231 CATHCART ST | S 0 - 1/8 (0.016 mi.) | C3 | 15 |
| PLANNED PARENTHOOD M<br>EPA ID:: CAL000430940 | 1119 PACIFIC AVE STE | ENE 0 - 1/8 (0.020 mi.) | A4 | 17 |
| GAP 137<br>EPA ID:: CAL000453659 | 1225 PACIFIC AVE | NNE 0 - 1/8 (0.045 mi.) | A11 | 101 |
| SANTA CRUZ METROPOLI<br>EPA ID:: CAL000333253 | 920 PACIFIC AVE | SE 0 - 1/8 (0.078 mi.) | F20 | 134 |
| MOBO SUSHI CORP | 901 PACIFIC AVENUE | SSE 0 - 1/8 (0.099 mi.) | G24 | 144 |
| ANDY'S AUTO SUPPLY<br>EPA ID:: CAL912264983 | 901 PACIFIC AVE | SSE 0 - 1/8 (0.099 mi.) | G25 | 147 |
| FRIEND, FRIEND & FRI<br>EPA ID:: CAC003010669 | 600 FRONT STREET | NE 1/8 - 1/4 (0.127 mi.) | H40 | 189 |
| SHERWIN-WILLIAMS # 8<br>EPA ID:: CAL000335449 | 408 FRONT ST | SE 1/8 - 1/4 (0.128 mi.) | L44 | 215 |
| TRADER JOES 193 | 700 FRONT ST | NNE 1/8 - 1/4 (0.149 mi.) | M50 | 274 |

| | | | | |
|---|---|---|---|---|
| EPA ID:: CAL000435481 | | | | |
| CALDERON TIRES<br>EPA ID:: CAL000432979 | 309 FRONT ST | SE 1/8 - 1/4 (0.161 mi.) | N55 | 293 |
| ANTON SANTA CRUZ, LL | 100 LAUREL STREET | SE 1/8 - 1/4 (0.178 mi.) | N61 | 315 |
| ANTON SANTA CRUZ, LL | 100 LAUREL STREET | SE 1/8 - 1/4 (0.178 mi.) | N62 | 318 |
| SANTA CRUZ MONTORSPO<br>EPA ID:: CAL000307705 | 211 CEDAR ST | S 1/8 - 1/4 (0.202 mi.) | P73 | 350 |
| WHEEL WORKS # 8219<br>EPA ID:: CAL000365470 | 220 FRONT ST | SE 1/8 - 1/4 (0.232 mi.) | R84 | 416 |

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/20/2021 has revealed that there are 32 Cortese sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| ***SENTINEL PRINTERS***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***912 CEDAR ST*** | ***NNW 1/8 - 1/4 (0.172 mi.)*** | ***O57*** | ***301*** |
| ***UNDEVELOPED LAND***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***155 CHESTNUT ST*** | ***SSW 1/4 - 1/2 (0.269 mi.)*** | ***S88*** | ***423*** |
| ***SALVATION ARMY***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***721 LAUREL ST*** | ***SW 1/4 - 1/2 (0.322 mi.)*** | ***91*** | ***430*** |
| ***SANTA CRUZ HIGH SCHO***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***415 WALNUT ST*** | ***WSW 1/4 - 1/2 (0.335 mi.)*** | ***U96*** | ***457*** |
| ***SANITARY PLUMBING &***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***413 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.385 mi.)*** | ***W103*** | ***478*** |
| ***ULTRAMAR BEACON #528***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***335 MISSION ST*** | ***NW 1/4 - 1/2 (0.387 mi.)*** | ***X105*** | ***501*** |
| ***TOSCO - FACILITY #02***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***433 OCEAN ST*** | ***ENE 1/4 - 1/2 (0.394 mi.)*** | ***Y106*** | ***516*** |
| ***WILSON, GEO INC***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |
| ***RITTENHOUSE***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***406 MISSION ST*** | ***NW 1/4 - 1/2 (0.424 mi.)*** | ***X110*** | ***565*** |
| ***CHEVRON STATION 9-04***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***404 SOQUEL AVE*** | ***ENE 1/4 - 1/2 (0.440 mi.)*** | ***Y117*** | ***602*** |
| ***PACIFIC STREET, SANT***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***303 PACIFIC ST*** | ***S 1/4 - 1/2 (0.441 mi.)*** | ***AA118*** | ***622*** |
| ***ARCO STATION #2132 (***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***411 SOQUEL AVE*** | ***ENE 1/4 - 1/2 (0.442 mi.)*** | ***119*** | ***630*** |
| ***US PRO***<br>Cleanup Status: COMPLETED - CASE CLOSED | ***823 MISSION ST*** | ***W 1/4 - 1/2 (0.443 mi.)*** | ***AB120*** | ***634*** |
| ***FORMER GULF OIL SERV*** | ***615 OCEAN ST*** | ***NE 1/4 - 1/2 (0.451 mi.)*** | ***AC121*** | ***660*** |

| | | | | |
|---|---|---|---|---|
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***ROSSI PROPERTY*** | ***302 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.455 mi.)*** | ***AA122*** | ***662*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***MASINI CAR REPAIR FA*** | ***434 BARSON ST*** | ***E 1/4 - 1/2 (0.459 mi.)*** | ***123*** | ***667*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***FLEET OPERATIONS*** | ***691 OCEAN ST*** | ***NE 1/4 - 1/2 (0.480 mi.)*** | ***AC124*** | ***674*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***CLOSED UNOCAL STATIO*** | ***904 MISSION ST*** | ***W 1/4 - 1/2 (0.488 mi.)*** | ***AB125*** | ***697*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC UNION APARTM*** | ***1018 PACIFIC AVENUE*** | ***ESE 0 - 1/8 (0.031 mi.)*** | ***B8*** | ***89*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***BANK OF AMERICA*** | ***1128 PACIFIC AVE*** | ***ENE 0 - 1/8 (0.038 mi.)*** | ***A9*** | ***94*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***FRONT STREET GARAGE*** | ***601 FRONT STREET*** | ***NE 0 - 1/8 (0.101 mi.)*** | ***H27*** | ***150*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***SAN LORENZO PARK PLA*** | ***600-601 FRONT ST (CO*** | ***NE 1/8 - 1/4 (0.127 mi.)*** | ***H42*** | ***202*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***PUTNEY & PERRY AUTO*** | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***MCPHERSON ART & HIST*** | ***705 FRONT ST*** | ***NNE 1/8 - 1/4 (0.133 mi.)*** | ***M47*** | ***244*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***SAN LORENZO PARK PLA*** | ***698-720 FRONT STREET*** | ***NNE 1/8 - 1/4 (0.150 mi.)*** | ***M52*** | ***281*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***SHELL STATION*** | ***100 LAUREL ST*** | ***SSE 1/8 - 1/4 (0.170 mi.)*** | ***N56*** | ***296*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***FORMER FRENCH LAUNDR*** | ***740 FRONT ST*** | ***NNE 1/8 - 1/4 (0.217 mi.)*** | ***78*** | ***364*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***TOYOTA OF SANTA CRUZ*** | ***201 FRONT ST*** | ***SSE 1/8 - 1/4 (0.219 mi.)*** | ***R81*** | ***375*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***BOOMERANG PROPERTY*** | ***503-555 PACIFIC AVEN*** | ***SSE 1/4 - 1/2 (0.323 mi.)*** | ***92*** | ***434*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***OCEAN CHEVROLET*** | ***555 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.324 mi.)*** | ***T93*** | ***438*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ***UNION ICE PROPERTY*** | ***2 JENNE ST*** | ***SSW 1/4 - 1/2 (0.341 mi.)*** | ***V99*** | ***471*** |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 13 CUPA Listings sites within approximately 0.25 miles of the target property.

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC DRY CLEANERS*** | ***511 CEDAR ST*** | ***SSW 0 - 1/8 (0.024 mi.)*** | ***C5*** | ***20*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0001700 | | | | |
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0006700<br>Facility Id: FA0001736 | | | | |
| THE INTERNET STORE I | 877 CEDAR ST | NNW 0 - 1/8 (0.113 mi.) | K36 | 181 |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0006958 | | | | |
| 7-ELEVEN INC. STORE | 602 LAUREL ST | SW 1/8 - 1/4 (0.243 mi.) | S85 | 418 |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0007666 | | | | |
| ***UNION PACIFIC RAILRO*** | ***LOMA PRIETA PEAK*** | ***WNW 1/8 - 1/4 (0.248 mi.)*** | ***87*** | ***421*** |
| Database: CUPA SANTA CLARA, Date of Government Version: 08/04/2021 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***VERIZON WIRELESS SAN*** | ***1101 PACIFIC AVE*** | ***ESE 0 - 1/8 (0.013 mi.)*** | ***B2*** | ***9*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0005328<br>Facility Id: FA0006179 | | | | |
| ANDY'S AUTO SUPPLY | 901 PACIFIC AVE | SSE 0 - 1/8 (0.099 mi.) | G26 | 149 |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0002660 | | | | |
| ***CVS PHARMACY #9331*** | ***600 FRONT ST*** | ***NE 1/8 - 1/4 (0.127 mi.)*** | ***H39*** | ***183*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0002040 | | | | |
| ***SHERWIN-WILLIAMS #89*** | ***408 FRONT ST*** | ***SE 1/8 - 1/4 (0.128 mi.)*** | ***L43*** | ***211*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0006342 | | | | |
| ***S.L.R. PUMP STATION*** | ***FRONT AND LAUREL ST*** | ***SE 1/8 - 1/4 (0.195 mi.)*** | ***N68*** | ***330*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0003712 | | | | |
| ***SANTA CRUZ MOTORSPOR*** | ***211 CEDAR ST*** | ***S 1/8 - 1/4 (0.202 mi.)*** | ***P70*** | ***336*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0004544 | | | | |
| WALGREENS #15108 | 201 FRONT ST | SSE 1/8 - 1/4 (0.219 mi.) | R80 | 374 |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0007221 | | | | |
| ***BUGFORMANCE OF SANTA*** | ***220 FRONT ST*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***R83*** | ***408*** |
| Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017<br>Facility Id: FA0002506 | | | | |

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC DRY CLEANERS*** | ***511 CEDAR ST*** | ***SSW 0 - 1/8 (0.024 mi.)*** | ***C5*** | ***20*** |
| Database: DRYCLEANERS, Date of Government Version: 08/27/2021 | | | | |
| EPA Id: CAD981632458 | | | | |

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 20 HIST CORTESE sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PACIFIC BELL*** | ***709 CENTER STREET*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***J34*** | ***163*** |
| Reg Id: 2202 | | | | |
| ***SANTA CRUZ HIGH SCHO*** | ***415 WALNUT ST*** | ***WSW 1/4 - 1/2 (0.335 mi.)*** | ***U97*** | ***465*** |
| Reg Id: 727 | | | | |
| ***SANITARY PLUMBING &*** | ***413 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.385 mi.)*** | ***W103*** | ***478*** |
| Reg Id: 342 | | | | |
| ***ULTRAMAR BEACON #528*** | ***335 MISSION ST*** | ***NW 1/4 - 1/2 (0.387 mi.)*** | ***X105*** | ***501*** |
| Reg Id: 630 | | | | |
| ***UNOCAL SERVICE STATI*** | ***433 OCEAN ST*** | ***ENE 1/4 - 1/2 (0.394 mi.)*** | ***Y108*** | ***522*** |
| Reg Id: 682 | | | | |
| ***WILSON, GEO INC*** | ***125 RIVER ST*** | ***N 1/4 - 1/2 (0.406 mi.)*** | ***Z109*** | ***529*** |
| Reg Id: 480 | | | | |
| ***RITTENHOUSE*** | ***406 MISSION ST*** | ***NW 1/4 - 1/2 (0.424 mi.)*** | ***X110*** | ***565*** |
| Reg Id: 998 | | | | |
| ***CHEVRON STATION 9-04*** | ***404 SOQUEL AVE*** | ***ENE 1/4 - 1/2 (0.440 mi.)*** | ***Y117*** | ***602*** |
| Reg Id: 603 | | | | |
| ***PACIFIC STREET, SANT*** | ***303 PACIFIC ST*** | ***S 1/4 - 1/2 (0.441 mi.)*** | ***AA118*** | ***622*** |
| Reg Id: 3 440000N04 | | | | |
| Reg Id: 628 | | | | |
| ***ARCO STATION #2132 (*** | ***411 SOQUEL AVE*** | ***ENE 1/4 - 1/2 (0.442 mi.)*** | ***119*** | ***630*** |
| Reg Id: 627 | | | | |
| ***US PRO*** | ***823 MISSION ST*** | ***W 1/4 - 1/2 (0.443 mi.)*** | ***AB120*** | ***634*** |
| Reg Id: 2126 | | | | |
| ***ROSSI PROPERTY*** | ***302 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.455 mi.)*** | ***AA122*** | ***662*** |
| Reg Id: 2770 | | | | |
| ***MASINI CAR REPAIR FA*** | ***434 BARSON ST*** | ***E 1/4 - 1/2 (0.459 mi.)*** | ***123*** | ***667*** |
| Reg Id: 626 | | | | |
| ***FLEET OPERATIONS*** | ***691 OCEAN ST*** | ***NE 1/4 - 1/2 (0.480 mi.)*** | ***AC124*** | ***674*** |

| | | | | |
|---|---|---|---|---|
| Reg Id: 340 | | | | |
| ***CLOSED UNOCAL STATIO*** | ***904 MISSION ST*** | ***W 1/4 - 1/2 (0.488 mi.)*** | ***AB125*** | ***697*** |
| Reg Id: 2493 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BANK OF AMERICA*** | ***1128 PACIFIC AVE*** | ***ENE 0 - 1/8 (0.038 mi.)*** | ***A9*** | ***94*** |
| Reg Id: 2392 | | | | |
| ***PUTNEY & PERRY AUTO*** | ***325 FRONT ST*** | ***SE 1/8 - 1/4 (0.133 mi.)*** | ***L45*** | ***218*** |
| Reg Id: 726 | | | | |
| ***MCPHERSON ART & HIST*** | ***705 FRONT ST*** | ***NNE 1/8 - 1/4 (0.133 mi.)*** | ***M47*** | ***244*** |
| Reg Id: 2225 | | | | |
| ***SHELL STATION*** | ***100 LAUREL ST*** | ***SSE 1/8 - 1/4 (0.170 mi.)*** | ***N56*** | ***296*** |
| Reg Id: 2309 | | | | |
| ***UNION ICE PROPERTY*** | ***2 JENNE ST*** | ***SSW 1/4 - 1/2 (0.341 mi.)*** | ***V99*** | ***471*** |
| Reg Id: 2234 | | | | |

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/13/2021 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CALIF RADIOGRAPHICS*** | ***375 CORAL ST*** | ***NNW 1/2 - 1 (0.687 mi.)*** | ***131*** | ***751*** |
| EPA ID: CAD982482390 | | | | |
| Cleanup Status: CLOSED | | | | |

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/12/2021 has revealed that there are 6 Notify 65 sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SANTA CRUZ HIGH SCHO*** | ***415 WALNUT ST*** | ***WSW 1/4 - 1/2 (0.335 mi.)*** | ***U97*** | ***465*** |
| SANITARY PLUMBING & | 413 PACIFIC AVENUE | S 1/4 - 1/2 (0.385 mi.) | W102 | 478 |
| ***ROSSI PROPERTY*** | ***302 PACIFIC AVE*** | ***S 1/4 - 1/2 (0.455 mi.)*** | ***AA122*** | ***662*** |
| Not reported | 355 HIGHLAND & HIGH | NW 1/2 - 1 (0.561 mi.) | 127 | 746 |
| ***BEI-SCOTT COMPANY LL*** | ***1400 OCEAN ST*** | ***NNE 1/2 - 1 (0.814 mi.)*** | ***132*** | ***778*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***OCEAN CHEVROLET*** | ***555 PACIFIC AT SYCAM*** | ***S 1/4 - 1/2 (0.324 mi.)*** | ***T94*** | ***440*** |

# EXECUTIVE SUMMARY

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PG AND E GAS PLANT S | W SIDE N PACIFIC ADJ | N 1/4 - 1/2 (0.424 mi.) | 111 | 568 |

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| MURPHY WILLIAMS BK & | 605 CENTER ST | WNW 0 - 1/8 (0.081 mi.) | D22 | 141 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PIONEER SUPER SERVIC | 515 FRONT ST | ENE 0 - 1/8 (0.073 mi.) | 17 | 129 |

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PACIFIC DRY CLEANERS | 511 CEDAR ST | SSW 0 - 1/8 (0.024 mi.) | C6 | 87 |

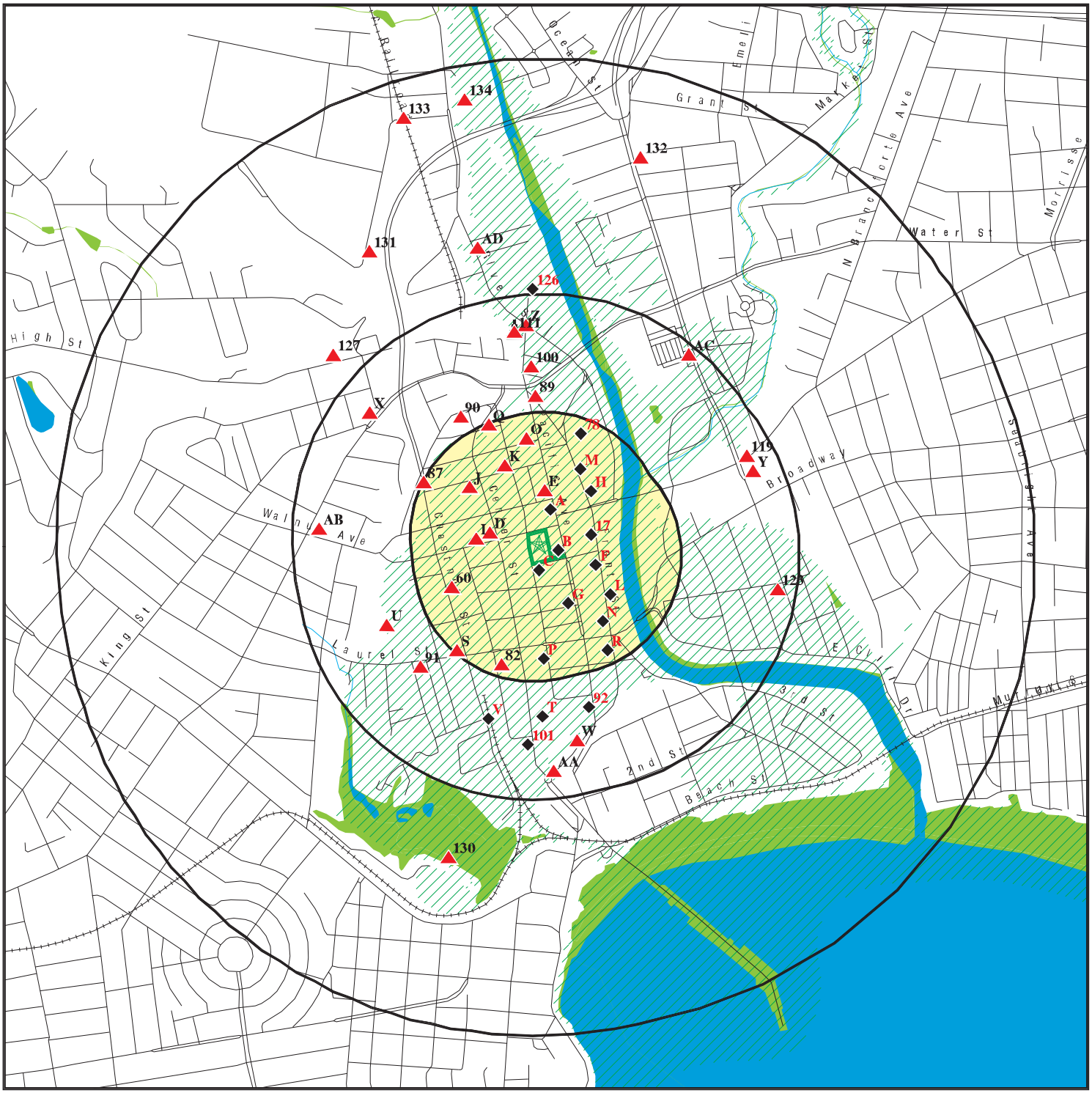
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ROYAL CLEANERS | 108 LINCOLN AV | NNE 0 - 1/8 (0.007 mi.) | A1 | 9 |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

| Site Name | Database(s) |
| --- | --- |
| SCCSD RIO PUMPING STATION | LUST, Cortese, HIST CORTESE |
| SCCSD RIO DEL MAR PUMP STATION | LUST, Cortese |
| UNION OIL COMPANY #1 | ENVIROSTOR |

# OVERVIEW MAP - 6833160.2S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | | | |
|---|---|---|---|
| SITE NAME: | 2T158 Downtown Library ESA | CLIENT: | Weber, Hayes, & Associates |
| ADDRESS: | 113 Lincoln Street<br>Santa Cruz CA 95060 | CONTACT: | Shaun Ersoy |
| | | INQUIRY #: | 6833160.2s |
| LAT/LONG: | 36.97206 / 122.02653 | DATE: | January 25, 2022 6:00 pm |



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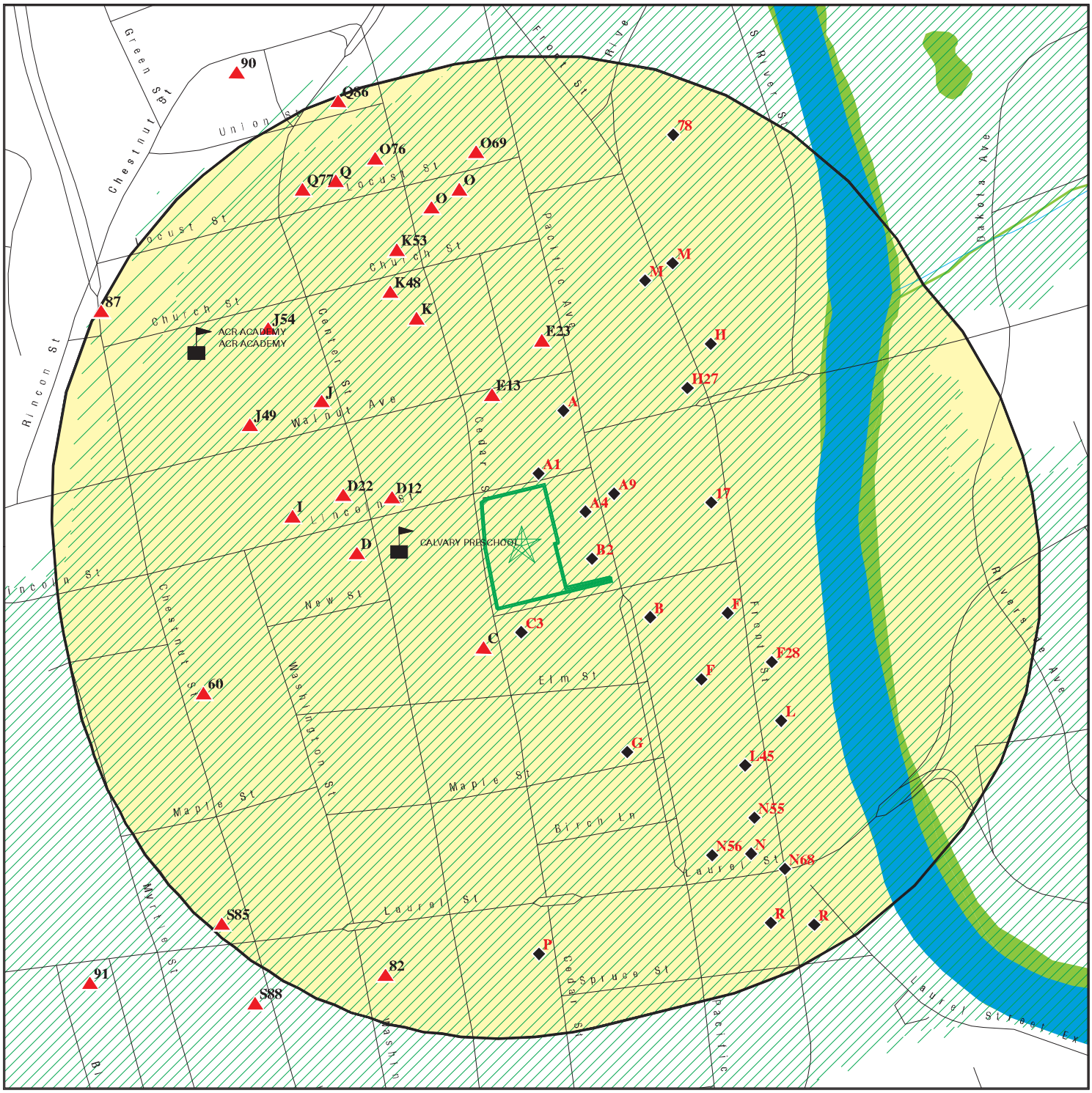
# DETAIL MAP - 6833160.2S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: 2T158 Downtown Library ESA | CLIENT: Weber, Hayes, & Associates |
| ADDRESS: 113 Lincoln Street<br>Santa Cruz CA 95060 | CONTACT: Shaun Ersoy<br>INQUIRY #: 6833160.2s |
| LAT/LONG: 36.97206 / 122.02653 | DATE: January 25, 2022 6:01 pm |



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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Lists of Federal NPL (Superfund) sites*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal Delisted NPL sites*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal sites subject to CERCLA removals and CERCLA orders*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal CERCLA sites with NFRAP*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Lists of Federal RCRA facilities undergoing Corrective Action*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal RCRA TSD facilities*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal RCRA generators*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 2 | 1 | NR | NR | NR | 3 |
| RCRA-SQG | 0.250 | | 3 | 6 | NR | NR | NR | 9 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Lists of state- and tribal (Superfund) equivalent sites*** | | | | | | | | |
| RESPONSE | 1.000 | | 1 | 0 | 2 | 0 | NR | 3 |
| ***Lists of state- and tribal hazardous waste facilities*** | | | | | | | | |
| ENVIROSTOR | 1.000 | | 1 | 1 | 6 | 6 | NR | 14 |
| ***Lists of state and tribal landfills and solid waste disposal facilities*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| ***Lists of state and tribal leaking storage tanks*** | | | | | | | | |
| LUST | 0.500 | | 5 | 9 | 23 | NR | NR | 37 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 3 | 6 | 4 | NR | NR | 13 |
| ***Lists of state and tribal registered storage tanks*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 2 | 0 | NR | NR | NR | 2 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Lists of state and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Lists of state and tribal brownfield sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | TP | | NR | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 2 | 0 | NR | 2 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 3 | 6 | NR | NR | NR | 9 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| AQUEOUS FOAM | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| SWEEPS UST | 0.250 | | 3 | 4 | NR | NR | NR | 7 |
| HIST UST | 0.250 | | 1 | 3 | NR | NR | NR | 4 |
| CERS TANKS | 0.250 | | 1 | 0 | NR | NR | NR | 1 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| CA FID UST | 0.250 | | 1 | 4 | NR | NR | NR | 5 |
| ***Local Land Records*** | | | | | | | | |
| LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| DEED | 0.500 | | 1 | 1 | 2 | NR | NR | 4 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| CHMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| LDS | TP | | NR | NR | NR | NR | NR | 0 |
| MCS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 13 | 19 | NR | NR | NR | 32 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Cortese | 0.500 | | 4 | 8 | 20 | NR | NR | 32 |
| CUPA Listings | 0.250 | | 5 | 8 | NR | NR | NR | 13 |
| DRYCLEANERS | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| EMI | TP | | NR | NR | NR | NR | NR | 0 |
| ENF | TP | | NR | NR | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| HAZNET | TP | | NR | NR | NR | NR | NR | 0 |
| ICE | TP | | NR | NR | NR | NR | NR | 0 |
| HIST CORTESE | 0.500 | | 2 | 3 | 15 | NR | NR | 20 |
| HWP | 1.000 | | 0 | 0 | 0 | 1 | NR | 1 |
| HWT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MWMP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| PEST LIC | TP | | NR | NR | NR | NR | NR | 0 |
| PROC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Notify 65 | 1.000 | | 0 | 0 | 4 | 2 | NR | 6 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| UIC GEO | TP | | NR | NR | NR | NR | NR | 0 |
| WASTEWATER PITS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | TP | | NR | NR | NR | NR | NR | 0 |
| WIP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MILITARY PRIV SITES | TP | | NR | NR | NR | NR | NR | 0 |
| PROJECT | TP | | NR | NR | NR | NR | NR | 0 |
| WDR | TP | | NR | NR | NR | NR | NR | 0 |
| CIWQS | TP | | NR | NR | NR | NR | NR | 0 |
| CERS | TP | | NR | NR | NR | NR | NR | 0 |
| NON-CASE INFO | TP | | NR | NR | NR | NR | NR | 0 |
| OTHER OIL GAS | TP | | NR | NR | NR | NR | NR | 0 |
| PROD WATER PONDS | TP | | NR | NR | NR | NR | NR | 0 |
| SAMPLING POINT | TP | | NR | NR | NR | NR | NR | 0 |
| WELL STIM PROJ | TP | | NR | NR | NR | NR | NR | 0 |
| HWTS | TP | | NR | NR | NR | NR | NR | 0 |
| MINES MRDS | TP | | NR | NR | NR | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| EDR Hist Auto | 0.125 | | 2 | NR | NR | NR | NR | 2 |
| EDR Hist Cleaner | 0.125 | | 2 | NR | NR | NR | NR | 2 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 56 | 79 | 82 | 9 | 0 | 226 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1 NNE < 1/8 0.007 mi. 37 ft.** **ROYAL CLEANERS** **EDR Hist Cleaner** **1018873552**
**108 LINCOLN AV** **N/A**
**SANTA CRUZ, CA 95060**

**Site 1 of 5 in cluster A**

**Relative: Lower**
**Actual: 13 ft.**

EDR Hist Cleaner

| Year: | Name: | Type: |
|---|---|---|
| 1986 | ROYAL CLEANERS | Drycleaning Plants, Except Rugs |
| 1987 | ROYAL CLEANERS | Drycleaning Plants, Except Rugs |
| 1988 | ROYAL CLEANERS | Drycleaning Plants, Except Rugs |
| 1989 | ROYAL CLEANERS | Drycleaning Plants, Except Rugs |

---

**B2 ESE < 1/8 0.013 mi. 68 ft.** **VERIZON WIRELESS SANTA CRUZ BOARDWALK** **CUPA Listings** **S110743470**
**1101 PACIFIC AVE** **CERS** **N/A**
**SANTA CRUZ, CA 95060**

**Site 1 of 3 in cluster B**

**Relative: Lower**
**Actual: 11 ft.**

CUPA SANTA CRUZ:

| | |
|---|---|
| Name: | VERIZON WIRELESS SANTA CRUZ BOARDWALK |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0005328 |
| Cross Street: | Not reported |
| Description: | HMMP SHORT FORM 1 HAZ CLASS |

| | |
|---|---|
| Name: | VERIZON WIRELESS SANTA CRUZ BOARDWALK |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0005328 |
| Cross Street: | Not reported |
| Description: | HMMP SHORT FORM BASE FEE |

| | |
|---|---|
| Name: | AT&T MOBILITY - DT SANTA CRUZ (USID39866) |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0006179 |
| Cross Street: | CATHCART ST |
| Description: | HMMP SHORT FORM BASE FEE |

| | |
|---|---|
| Name: | AT&T MOBILITY - DT SANTA CRUZ (USID39866) |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0006179 |
| Cross Street: | CATHCART ST |
| Description: | HMMP SHORT FORM 1 HAZ CLASS |

CERS:

| | |
|---|---|
| Name: | VERIZON WIRELESS SANTA CRUZ BOARDWALK |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 167435 |
| CERS ID: | 10145075 |
| CERS Description: | Chemical Storage Facilities |

Evaluation:

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 03-20-2014 |





**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

| | |
|---|---|
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Not reported |
| Eval Division: | Santa Cruz County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS, |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-10-2018 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | CERS submitted 08-2018. OK. Inventory as submittesd. Thank You. |
| Eval Division: | Santa Cruz County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS, |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-03-2014 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Not reported |
| Eval Division: | Santa Cruz County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS, |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-14-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | CERS submitted 12-15-2015. Next annual submittal due by 12-15-2016. See attached inspection summary for facility rep signature. Recommend that you post the Hazardous Material Permit at all your facilities. This facility did not have one. |
| Eval Division: | Santa Cruz County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS, |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-29-2019 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Site visit this date. Permit Current. CERS submitted 2/2019. OK. Thank You. |
| Eval Division: | Santa Cruz County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS, |

Coordinates:

| | |
|---|---|
| Site ID: | 167435 |
| Facility Name: | Verizon Wireless Santa Cruz Boardwalk |
| Env Int Type Code: | HMBP |
| Program ID: | 10145075 |
| Coord Name: | Not reported |
| Ref Point Type Desc: | Center of a facility or station., |
| Latitude: | 36.971910 |
| Longitude: | -122.025890 |

**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Verizon Wireless |
| Entity Title: | Not reported |
| Affiliation Address: | 295 Parkshore Drive |
| Affiliation City: | Folsom |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95630 |
| Affiliation Phone: | (866) 694-2415, |

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | Verizon Wireless [Northern California] |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Santa Cruz County Environmental Health |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Boulevard, Suite 312 |
| Affiliation City: | Santa Cruz |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 454-2022, |

| | |
|---|---|
| Affiliation Type Desc: | Operator |
| Entity Name: | Verizon Wireless |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (866) 694-2415, |

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Steve Skanderson |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Environmental Compliance |
| Entity Title: | Not reported |
| Affiliation Address: | 295 Parkshore Drive |
| Affiliation City: | Folsom |
| Affiliation State: | CA |





**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

| | |
|---|---|
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95630 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | 295 Parkshore Drive |
| Affiliation City: | Folsom |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95630 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | armand delgado |
| Entity Title: | environmental compliance mgr |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Name: | AT&T MOBILITY - DT SANTA CRUZ (USID39866) |
| Address: | 1101 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 94815 |
| CERS ID: | 10441657 |
| CERS Description: | Chemical Storage Facilities |

Violations:

| | |
|---|---|
| Site ID: | 94815 |
| Site Name: | AT&T Mobility - DT SANTA CRUZ (USID39866) |
| Violation Date: | 04-12-2016 |
| Citation: | HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1) |
| Violation Description: | Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material. |
| Violation Notes: | Returned to compliance on 04/22/2016. OBSERVATION: An Emergency Response Plan and procedures has not been updated and submitted electronically to the CUPA. CORRECTIVE ACTION: Update the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System (CERS). |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS, |

Evaluation:

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-03-2018 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | CERS submitted 07-18-2018. OK. Thank You. |

**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 5-16-2017, with new ER contacts. OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 94815
Site Name: AT&T Mobility - DT SANTA CRUZ (USID39866)
Site Address: 1101 PACIFIC AVE
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-12-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 94815
Facility Name: AT&T Mobility - DT SANTA CRUZ (USID39866)
Env Int Type Code: HMBP
Program ID: 10441657
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.971910
Longitude: -122.025890

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,





**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

Affiliation Type Desc: Environmental Contact
Entity Name: AT&T EH&S Hotline - Option #1
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: New Cingular Wireless PCS, LLC dba AT&T Mobility
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712,

Affiliation Type Desc: Parent Corporation
Entity Name: AT&T Mobility
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Peter Burnell, Sigma Consultants, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

**VERIZON WIRELESS SANTA CRUZ BOARDWALK (Continued)** **S110743470**

| | |
|---|---|
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Operator |
| Entity Name: | AT&T Mobility |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (800) 566-9347, |

---

**C3 South < 1/8 0.016 mi. 87 ft.** **THE SPOKESMAN BICYCLES** **RCRA NonGen / NLR** **1024812384**
**231 CATHCART ST** **CAL000299571**
**SANTA CRUZ, CA 95060**

**Site 1 of 3 in cluster C**

**Relative: Lower**
**Actual: 13 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20051017 |
| Handler Name: | THE SPOKESMAN BICYCLES |
| Handler Address: | 231 CATHCART ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060-4419 |
| EPA ID: | CAL000299571 |
| Contact Name: | JACQUELINE MORRIS |
| Contact Address: | 231 CATHCART ST |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-429-6062 |
| Contact Fax: | 831-429-8357 |
| Contact Email: | ACCOUNTING@SPOKESMANBICYCLES.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 231 CATHCART ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060-4419 |
| Owner Name: | WADE HALL |
| Owner Type: | Other |
| Operator Name: | JACQUELINE MORRIS |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |





**THE SPOKESMAN BICYCLES (Continued)** **1024812384**

| | |
|---|---|
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | WADE HALL |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 231 CATHCART ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-4419 |
| Owner/Operator Telephone: | 831-429-6062 |
| Owner/Operator Telephone Ext: | Not reported |

**THE SPOKESMAN BICYCLES (Continued)** **1024812384**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACQUELINE MORRIS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 231 CATHCART ST
Owner/Operator City,State,Zip: SANTA CRUZ, CA 95060
Owner/Operator Telephone: 831-429-6062
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20051017
Handler Name: THE SPOKESMAN BICYCLES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45111
NAICS Description: SPORTING GOODS STORES

NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**A4 ENE < 1/8 0.020 mi. 104 ft.** **PLANNED PARENTHOOD MARMONTE** **RCRA NonGen / NLR** **1024862424**
**1119 PACIFIC AVE STE 200** **CAL000430940**
**SANTA CRUZ, CA 95060**

**Site 2 of 5 in cluster A**

**Relative: Lower**
**Actual: 12 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20170921
Handler Name: PLANNED PARENTHOOD MARMONTE
Handler Address: 1119 PACIFIC AVE STE 200
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000430940
Contact Name: JENNIFER EVANS





**PLANNED PARENTHOOD MARMONTE (Continued)** **1024862424**

Contact Address: 1119 PACIFIC AVE STE 200
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-460-3122
Contact Fax: 831-425-0106
Contact Email: JENNIFER_EVANS@PPMARMONTE.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1691 THE ALAMEDA
Mailing City,State,Zip: SAN JOSE, CA 95126
Owner Name: STACY CROSS
Owner Type: Other
Operator Name: JENNIFER EVANS
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking

**PLANNED PARENTHOOD MARMONTE (Continued)** **1024862424**

| | |
|---|---|
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180907 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JENNIFER EVANS |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1119 PACIFIC AVE STE 200 |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-460-3122 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | STACY CROSS |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1746 THE ALAMEDA |
| Owner/Operator City,State,Zip: | SAN JOSE, CA 95126 |
| Owner/Operator Telephone: | 908-795-3748 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20170921 |
| Handler Name: | PLANNED PARENTHOOD MARMONTE |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |





**PLANNED PARENTHOOD MARMONTE (Continued)** **1024862424**

| | |
|---|---|
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 52519 |
| NAICS Description: | OTHER INSURANCE FUNDS |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**C5 SSW < 1/8 0.024 mi. 127 ft.** **Relative: Higher** **Actual: 14 ft.**

**PACIFIC DRY CLEANERS**
**511 CEDAR ST**
**SANTA CRUZ, CA 95060**

**Site 2 of 3 in cluster C**

**RCRA-SQG** **1000250681**
**CERS HAZ WASTE** **CAD981632458**
**FINDS**
**ECHO**
**CUPA Listings**
**DRYCLEANERS**
**HAZNET**
**CERS**
**HWTS**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | PACIFIC DRY CLEANERS |
| Handler Address: | 511 CEDAR ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD981632458 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | CHUNG LEE |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CHUNG LEE |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19960901 |
| Handler Name: PACIFIC DRY CLEANERS | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

CERS HAZ WASTE:

| | |
|---|---|
| Name: | PACIFIC DRY CLEANERS |
| Address: | 511 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 140908 |
| CERS ID: | 10192168 |
| CERS Description: | Hazardous Waste Generator |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

FINDS:
Registry ID: 110002731205

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000250681
Registry ID: 110002731205
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002731205
Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060

CUPA SANTA CRUZ:
Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001700
Cross Street: CATHCART ST
Description: HMMP STANDARD FORM FILING FEE

Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001700
Cross Street: CATHCART ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001700
Cross Street: CATHCART ST
Description: HMMP STANDARD FORM QR 2

DRYCLEANERS:
Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 950600000
EPA Id: CAD981632458
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Create Date: 04/10/1987
Facility Active: No
Inactive Date: 06/30/2011
Facility Addr2: Not reported
Owner Name: HANG SUB CHO
Owner Address: 511 CEDAR ST
Owner Address 2: Not reported
Owner Telephone: 4084230644
Contact Name: HANG SUB CHO
Contact Address: 511 CEDAR ST
Contact Address 2: Not reported
Contact Telephone: 4084230644
Contact Fax: 0
Mailing Name: Not reported
Mailing Address 1: 511 CEDAR ST
Mailing Address 2: Not reported
Mailing City: SANTA CRUZ
Mailing State: CA
Mailing Zip: 950604306
Owner Fax: 0
Region Code: 2
Latitude: 36.97083
Longitude: -122.026763

HAZNET:
Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950600000
Contact: HANG SUB CHO
Telephone: 4084230644
Mailing Name: Not reported
Mailing Address: 511 CEDAR ST

Year: 2011
Gepaid: CAD981632458
TSD EPA ID: TXD077603371
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1

Year: 2010
Gepaid: CAD981632458
TSD EPA ID: TXD077603371
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2009
Gepaid: CAD981632458
TSD EPA ID: TXD077603371
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.195

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Year: 2008
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.195

Year: 2007
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2006
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 1.6263

Year: 2006
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0975

Year: 2005
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.16422

Year: 2004
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: -
Disposal Method: H01 - Transfer Station
Tons: Not reported

Year: 2004
Gepaid: CAD981632458
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.3315

Click this hyperlink while viewing on your computer to access
15 additional CA HAZNET: record(s) in the EDR Site Report.





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Info:
Year: 2002
Gen EPA ID: CAD981632458

Shipment Date: 20021230
Creation Date: 3/31/2003 18:31:15
Receipt Date: 20030103
Manifest ID: 22206980
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20021127
Creation Date: 3/16/2007 18:30:20
Receipt Date: 20021204
Manifest ID: 22140193
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020906
Creation Date: 2/11/2003 18:31:24
Receipt Date: 20020910
Manifest ID: 21900360
Trans EPA ID: SCR000075150

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20020906 |
| Creation Date: | 2/11/2003 18:31:24 |
| Receipt Date: | 20020910 |
| Manifest ID: | 21900360 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20020614 |
| Creation Date: | 2/7/2003 18:31:14 |
| Receipt Date: | 20020621 |
| Manifest ID: | 21729823 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20020614 |
| Creation Date: | 2/7/2003 18:31:14 |
| Receipt Date: | 20020621 |
| Manifest ID: | 21729823 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20020318 |
| Creation Date: | 7/22/2002 18:31:22 |
| Receipt Date: | 20020321 |
| Manifest ID: | 21578910 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 20020318 |
| Creation Date: | 7/22/2002 18:31:22 |
| Receipt Date: | 20020321 |
| Manifest ID: | 21578910 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1995 |
| Gen EPA ID: | CAD981632458 |

| | |
|---|---|
| Shipment Date: | 19951106 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951108 |
| Manifest ID: | 95760308 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19951011 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951013 |
| Manifest ID: | 95758291 |
| Trans EPA ID: | ILD984908202 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19950814 |
| Creation Date: | 4/3/1996 0:00:00 |
| Receipt Date: | 19950816 |
| Manifest ID: | 95555921 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19950619 |
| Creation Date: | 4/2/1996 0:00:00 |
| Receipt Date: | 19950620 |
| Manifest ID: | 95427610 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950523 |
| Creation Date: | 4/2/1996 0:00:00 |
| Receipt Date: | 19950526 |
| Manifest ID: | 95415718 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950424 |
| Creation Date: | 4/2/1996 0:00:00 |
| Receipt Date: | 19950427 |
| Manifest ID: | 95520609 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.03 |
| Waste Quantity: | 60 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 19950328 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950329 |
| Manifest ID: | 93772535 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950301 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950303 |
| Manifest ID: | 95097708 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950201 |
| Creation Date: | 10/20/1995 0:00:00 |
| Receipt Date: | 19950203 |
| Manifest ID: | 95043870 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950106 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19950110 |
| Manifest ID: | 95069607 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.03 |
| Waste Quantity: | 60 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2000 |
| Gen EPA ID: | CAD981632458 |
| | |
| Shipment Date: | 20001030 |
| Creation Date: | 1/12/2001 0:00:00 |
| Receipt Date: | 20001102 |
| Manifest ID: | 20289746 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20001030 |
| Creation Date: | 1/12/2001 0:00:00 |
| Receipt Date: | 20001102 |
| Manifest ID: | 20289746 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20000810 |
| Creation Date: | 10/23/2000 0:00:00 |
| Receipt Date: | 20000815 |
| Manifest ID: | 99661427 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 20000810 |
| Creation Date: | 10/23/2000 0:00:00 |
| Receipt Date: | 20000815 |
| Manifest ID: | 99661427 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20000517 |
| Creation Date: | 8/1/2000 0:00:00 |
| Receipt Date: | 20000519 |
| Manifest ID: | 20003082 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20000517 |
| Creation Date: | 8/1/2000 0:00:00 |
| Receipt Date: | 20000519 |
| Manifest ID: | 20003082 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20000323 |
| Creation Date: | 5/30/2000 0:00:00 |
| Receipt Date: | 20000328 |
| Manifest ID: | 99842531 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20000323 |
| Creation Date: | 5/30/2000 0:00:00 |
| Receipt Date: | 20000328 |
| Manifest ID: | 99842531 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAD981632458

Shipment Date: 20100319
Creation Date: 12/3/2010 18:30:29
Receipt Date: 20100406
Manifest ID: 002500590SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT
TSDF EPA ID: TXD077603371
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: D040
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: D039
Additional Code 2: D007
Additional Code 3: D001
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2005
Gen EPA ID: CAD981632458

Shipment Date: 20050829
Creation Date: 4/13/2006 18:46:51
Receipt Date: 20050907
Manifest ID: 23683108
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050512
Creation Date: 8/24/2005 7:27:35
Receipt Date: 20050518
Manifest ID: 24490320
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.06672
Waste Quantity: 16
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAD981632458

Shipment Date: 19971106
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971113
Manifest ID: 96786304
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19971008 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971014 |
| Manifest ID: | 96851240 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19971008 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971014 |
| Manifest ID: | 96851240 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970716 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970721 |
| Manifest ID: | 96632439 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970716 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970721 |
| Manifest ID: | 96632439 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970521 |
| Creation Date: | 7/17/1997 0:00:00 |
| Receipt Date: | 19970523 |
| Manifest ID: | 96637088 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970521 |
| Creation Date: | 7/17/1997 0:00:00 |
| Receipt Date: | 19970523 |
| Manifest ID: | 96637088 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970326 |
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19970331 |
| Manifest ID: | 96821242 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970326 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19970331 |
| Manifest ID: | 96821242 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19970203 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970204 |
| Manifest ID: | 96368895 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1994 |
| Gen EPA ID: | CAD981632458 |
| | |
| Shipment Date: | 19941213 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941214 |
| Manifest ID: | 95077784 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.03 |
| Waste Quantity: | 60 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941114 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941116 |
| Manifest ID: | 93765192 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941017 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941018 |
| Manifest ID: | 95079379 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613950 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613950 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19940920 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940927 |
| Manifest ID: | 95070086 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19940822 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940826 |
| Manifest ID: | 93466514 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 19940725 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940728 |
| Manifest ID: | 93676963 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.03 |
| Waste Quantity: | 60 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19940627 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940705 |
| Manifest ID: | 93513520 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19940531 |
| Creation Date: | 10/10/1995 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 93646512 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19940531 |
| Creation Date: | 10/10/1995 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 93646512 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19940503 |
| Creation Date: | 3/25/1996 0:00:00 |
| Receipt Date: | 19940506 |
| Manifest ID: | 93549678 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAD981632458

Shipment Date: 20080410
Creation Date: 5/29/2008 18:30:08
Receipt Date: 20080414
Manifest ID: 000937778SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P
Additional Code 1: D040
Additional Code 2: D039
Additional Code 3: D007
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAD981632458

Shipment Date: 20070927
Creation Date: 12/28/2007 18:30:46
Receipt Date: 20071001
Manifest ID: 000518173SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Waste Quantity: 100
Quantity Unit: P
Additional Code 1: D040
Additional Code 2: D039
Additional Code 3: D007
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070329
Creation Date: 8/19/2007 18:30:34
Receipt Date: 20070402
Manifest ID: 000388226SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: D040
Additional Code 2: D039
Additional Code 3: D007
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAD981632458

Shipment Date: 20060926
Creation Date: 4/19/2007 18:30:06
Receipt Date: 20060928
Manifest ID: 001821769JJK
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: D040

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Code 2: D039
Additional Code 3: D007
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060217
Creation Date: 6/22/2006 18:33:59
Receipt Date: 20060223
Manifest ID: 23731768
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 1.6263
Waste Quantity: 390
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2011
Gen EPA ID: CAD981632458

Shipment Date: 20111118
Creation Date: 4/19/2012 20:30:22
Receipt Date: 20111212
Manifest ID: 002915780SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: TXD077603371
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Info:
Year: 2009
Gen EPA ID: CAD981632458

Shipment Date: 20090325
Creation Date: 7/31/2009 18:30:37
Receipt Date: 20090413
Manifest ID: 001750901SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT
TSDF EPA ID: TXD077603371
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: D040
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P
Additional Code 1: D039
Additional Code 2: D007
Additional Code 3: D001
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1996
Gen EPA ID: CAD981632458

Shipment Date: 19961204
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961211
Manifest ID: 96461779
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 19961204 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961211 |
| Manifest ID: | 96461779 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19961011 |
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19961017 |
| Manifest ID: | 96483138 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19961011 |
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19961017 |
| Manifest ID: | 96483138 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19960716 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19960718 |
| Manifest ID: | 96106728 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19960716 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19960718 |
| Manifest ID: | 96106728 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960424 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19960426 |
| Manifest ID: | 96083227 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960229 |
| Creation Date: | 10/16/1996 0:00:00 |
| Receipt Date: | 19960304 |
| Manifest ID: | 96243908 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960130 |
| Creation Date: | 10/9/1996 0:00:00 |
| Receipt Date: | 19960201 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Manifest ID: | 95954506 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960130 |
| Creation Date: | 10/9/1996 0:00:00 |
| Receipt Date: | 19960201 |
| Manifest ID: | 95954506 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAD981632458 |
| | |
| Shipment Date: | 19991229 |
| Creation Date: | 2/28/2000 0:00:00 |
| Receipt Date: | 20000105 |
| Manifest ID: | 99026056 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19991229
Creation Date: 2/28/2000 0:00:00
Receipt Date: 20000105
Manifest ID: 99026056
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19991101
Creation Date: 1/11/2000 0:00:00
Receipt Date: 19991104
Manifest ID: 99515622
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19991101
Creation Date: 1/11/2000 0:00:00
Receipt Date: 19991104
Manifest ID: 99515622
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990810
Creation Date: 10/12/1999 0:00:00
Receipt Date: 19990813
Manifest ID: 99040495
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990810
Creation Date: 10/12/1999 0:00:00

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Receipt Date: | 19990813 |
| Manifest ID: | 99040495 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19990615 |
| Creation Date: | 8/16/1999 0:00:00 |
| Receipt Date: | 19990619 |
| Manifest ID: | 99227909 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19990615 |
| Creation Date: | 8/16/1999 0:00:00 |
| Receipt Date: | 19990619 |
| Manifest ID: | 99227909 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19990422 |
| Creation Date: | 7/7/1999 0:00:00 |
| Receipt Date: | 19990429 |
| Manifest ID: | 98802313 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19990422 |
| Creation Date: | 7/7/1999 0:00:00 |
| Receipt Date: | 19990429 |
| Manifest ID: | 98802313 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAD981632458

Shipment Date: 20041026
Creation Date: 12/31/2004 18:31:40
Receipt Date: 20041029
Manifest ID: 23720170
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040708
Creation Date: 11/1/2004 12:36:11
Receipt Date: 20040714
Manifest ID: 23511918
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: Not reported
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040708





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Creation Date: 11/1/2004 12:36:11
Receipt Date: 20040714
Manifest ID: 23511918
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.09
Waste Quantity: 180
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040511
Creation Date: 10/15/2004 8:41:08
Receipt Date: 20040513
Manifest ID: 23009113
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.054
Waste Quantity: 108
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040121
Creation Date: 8/19/2004 11:23:00
Receipt Date: 20040123
Manifest ID: 22579316
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.09 |
| Waste Quantity: | 180 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2001 |
| Gen EPA ID: | CAD981632458 |
| Shipment Date: | 20011226 |
| Creation Date: | 2/20/2002 0:00:00 |
| Receipt Date: | 20020103 |
| Manifest ID: | 21329750 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20011226 |
| Creation Date: | 2/20/2002 0:00:00 |
| Receipt Date: | 20020103 |
| Manifest ID: | 21329750 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20011001 |
| Creation Date: | 12/17/2001 0:00:00 |
| Receipt Date: | 20011004 |
| Manifest ID: | 21456817 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20011001 |
| Creation Date: | 12/17/2001 0:00:00 |
| Receipt Date: | 20011004 |
| Manifest ID: | 21456817 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 20010723 |
| Creation Date: | 10/1/2001 0:00:00 |
| Receipt Date: | 20010725 |
| Manifest ID: | 20998762 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20010723 |
| Creation Date: | 10/1/2001 0:00:00 |
| Receipt Date: | 20010725 |
| Manifest ID: | 20998762 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20010416 |
| Creation Date: | 6/20/2001 0:00:00 |
| Receipt Date: | 20010418 |
| Manifest ID: | 20623342 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20010416 |
| Creation Date: | 6/20/2001 0:00:00 |
| Receipt Date: | 20010418 |
| Manifest ID: | 20623342 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20010125 |
| Creation Date: | 3/22/2001 0:00:00 |
| Receipt Date: | 20010130 |
| Manifest ID: | 20364797 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20010125 |
| Creation Date: | 3/22/2001 0:00:00 |
| Receipt Date: | 20010130 |
| Manifest ID: | 20364797 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2003 |
| Gen EPA ID: | CAD981632458 |
| Shipment Date: | 20031028 |
| Creation Date: | 8/24/2004 10:00:04 |
| Receipt Date: | 20031031 |
| Manifest ID: | 22521372 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 20030902 |
| Creation Date: | 7/13/2004 10:48:19 |
| Receipt Date: | 20030908 |
| Manifest ID: | 22877359 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20030515 |
| Creation Date: | 6/22/2004 9:47:57 |
| Receipt Date: | 20030521 |
| Manifest ID: | 22376441 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20030120 |
| Creation Date: | 5/13/2003 18:32:19 |
| Receipt Date: | 20030124 |
| Manifest ID: | 22087853 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20030120 |
| Creation Date: | 5/13/2003 18:32:19 |
| Receipt Date: | 20030124 |
| Manifest ID: | 22087853 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.09 |
| Waste Quantity: | 180 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAD981632458 |
| | |
| Shipment Date: | 19981201 |
| Creation Date: | 1/21/1999 0:00:00 |
| Receipt Date: | 19981203 |
| Manifest ID: | 98560326 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19981201 |
| Creation Date: | 1/21/1999 0:00:00 |
| Receipt Date: | 19981203 |
| Manifest ID: | 98560326 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19981007 |
| Creation Date: | 2/8/1999 0:00:00 |
| Receipt Date: | 19981013 |
| Manifest ID: | 98285750 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 19981007 |
| Creation Date: | 2/8/1999 0:00:00 |
| Receipt Date: | 19981013 |
| Manifest ID: | 98285750 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19980811 |
| Creation Date: | 10/20/1998 0:00:00 |
| Receipt Date: | 19980814 |
| Manifest ID: | 98271833 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19980811 |
| Creation Date: | 10/20/1998 0:00:00 |
| Receipt Date: | 19980814 |
| Manifest ID: | 98271833 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19980616 |
| Creation Date: | 9/3/1998 0:00:00 |
| Receipt Date: | 19980622 |
| Manifest ID: | 98185395 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19980616 |
| Creation Date: | 9/3/1998 0:00:00 |
| Receipt Date: | 19980622 |
| Manifest ID: | 98185395 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980422 |
| Creation Date: | 6/26/1998 0:00:00 |
| Receipt Date: | 19980428 |
| Manifest ID: | 97367641 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.03 |
| Waste Quantity: | 60 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980422 |
| Creation Date: | 6/26/1998 0:00:00 |
| Receipt Date: | 19980428 |
| Manifest ID: | 97367641 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1993 |
| Gen EPA ID: | CAD981632458 |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Shipment Date: | 19931214 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931216 |
| Manifest ID: | 93029364 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931115 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931118 |
| Manifest ID: | 93134309 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931019 |
| Creation Date: | 9/13/1995 0:00:00 |
| Receipt Date: | 19931021 |
| Manifest ID: | 93095242 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Trans Name: Not reported
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930824
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930826
Manifest ID: 93037192
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0975
Waste Quantity: 195
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930603
Creation Date: 9/7/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92609160
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: - Not reported
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: PACIFIC DRY CLEANERS
Address: 511 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 140908
CERS ID: 10192168
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Violation Date: 06-22-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/06/2017. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date. CERS submittal this date 7/06/2017. Violation corrected.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Violation Date: 05-04-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 07/06/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Violation Date: 01-16-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator,

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 02/18/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Violation Date: 05-06-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/06/2017. The facility has not submitted the updated Hazardous Materials Inventory quantity for DF2000. The current inventory for this material is 50 gallons. Complete a new CERS submittal and submit the updated inventory for all materials listed.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Eval Notes: Hazardous Waste On-site this date. < 50 gallons of cleaner sludge.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Check permit fee . CERS submittal 2/2015. Annual submittal overdue.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Hazardous Materials On-site this date. 50 gallons of DF-2000 cleaning fluid. OK for short form. You will need to update the chemical inventory and complete a submittal in CERS to change your inventory.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Less than 55 gallons of waste sludge. i
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submittal 3-5-2019, accepted. O K. Thank You.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 2/18/15. Annual submission overdue. Update inventory to show only 40 gallons of cleaning fluid. Then Submit all sections. Only 50 gallons of Waste Sludge. Inventory and ER plan updated and submitted this date. Violation corrected. Fees need to be updated and new invoice sent. Should be changed to a short form with waste.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-06-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-22-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Site Zip: 95060
Enf Action Date: 01-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 140908
Facility Name: PACIFIC DRY CLEANERS
Env Int Type Code: FRS-AIR
Program ID: 110002731205
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 36.970844
Longitude: -122.026670

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Environmental Contact
Entity Name: HANG SUB CHO
Entity Title: Not reported
Affiliation Address: 511 CEDAR ST
Affiliation City: SANTACRUZ
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: HANG SUB CHO
Entity Title: Not reported

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | HANG SUB CHO |
| Entity Title: | Not reported |
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 423-0644, |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | HANG SUB CHO |
| Entity Title: | OWNER |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Operator |
| Entity Name: | HANG SUB CHO |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (831) 423-0644, |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | hangsub cho |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | , |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | PACIFIC DRY CLEANERS |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Name: | PACIFIC DRY CLEANERS |
| Address: | 511 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 140908 |
| CERS ID: | 110002731205 |
| CERS Description: | US EPA Air Emission Inventory System (EIS) |

Violations:

| | |
|---|---|
| Site ID: | 140908 |
| Site Name: | PACIFIC DRY CLEANERS |
| Violation Date: | 06-22-2017 |
| Citation: | HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1) |
| Violation Description: | Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date. |
| Violation Notes: | Returned to compliance on 07/06/2017. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date. CERS submittal this date 7/06/2017. Violation corrected. |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS, |
| Site ID: | 140908 |
| Site Name: | PACIFIC DRY CLEANERS |
| Violation Date: | 05-04-2016 |
| Citation: | HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2 |
| Violation Description: | Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. |
| Violation Notes: | Returned to compliance on 07/06/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS). |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS, |
| Site ID: | 140908 |
| Site Name: | PACIFIC DRY CLEANERS |
| Violation Date: | 01-16-2014 |

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 02/18/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Violation Date: 05-06-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/06/2017. The facility has not submitted the updated Hazardous Materials Inventory quantity for DF2000. The current inventory for this material is 50 gallons. Complete a new CERS submittal and submit the updated inventory for all materials listed.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Eval Date: 05-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Hazardous Waste On-site this date. < 50 gallons of cleaner sludge.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Check permit fee . CERS submittal 2/2015. Annual submittal overdue.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Hazardous Materials On-site this date. 50 gallons of DF-2000 cleaning fluid. OK for short form. You will need to update the chemical inventory and complete a submittal in CERS to change your inventory.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Less than 55 gallons of waste sludge. i
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submittal 3-5-2019, accepted. O K. Thank You.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 2/18/15. Annual submission overdue. Update inventory to show only 40 gallons of cleaning fluid. Then Submit all sections. Only 50 gallons of Waste Sludge. Inventory and ER plan updated and submitted this date. Violation corrected. Fees need to be updated and new invoice sent. Should be changed to a short form with waste.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-06-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-22-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 01-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 140908
Site Name: PACIFIC DRY CLEANERS
Site Address: 511 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 140908
Facility Name: PACIFIC DRY CLEANERS
Env Int Type Code: FRS-AIR
Program ID: 110002731205
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 36.970844
Longitude: -122.026670

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Environmental Contact
Entity Name: HANG SUB CHO
Entity Title: Not reported
Affiliation Address: 511 CEDAR ST
Affiliation City: SANTACRUZ
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | HANG SUB CHO |
| Entity Title: | Not reported |
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | HANG SUB CHO |
| Entity Title: | Not reported |
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 423-0644, |

| | |
|---|---|
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | HANG SUB CHO |
| Entity Title: | OWNER |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Operator |
| Entity Name: | HANG SUB CHO |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (831) 423-0644, |

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | hangsub cho |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | 511 CEDAR ST |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |





**PACIFIC DRY CLEANERS (Continued)** **1000250681**

| | |
|---|---|
| Affiliation Zip: | 95060 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | PACIFIC DRY CLEANERS |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

HWTS:

| | |
|---|---|
| Name: | PACIFIC DRY CLEANERS |
| Address: | 511 CEDAR ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| EPA ID: | CAD981632458 |
| Inactive Date: | 06/30/2011 |
| Create Date: | 04/10/1987 |
| Last Act Date: | 10/24/2012 |
| Mailing Name: | Not reported |
| Mailing Address: | 511 CEDAR ST |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950604306 |
| Owner Name: | HANG SUB CHO |
| Owner Address: | 511 CEDAR ST |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact Name: | HANG SUB CHO |
| Contact Address: | 511 CEDAR ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950604306 |

NAICS:

| | |
|---|---|
| EPA ID: | CAD981632458 |
| Create Date: | 2002-03-14 16:36:26.000 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| Issued EPA ID Date: | 1987-04-10 00:00:00 |
| Inactive Date: | 2011-06-30 00:00:00 |
| Facility Name: | PACIFIC DRY CLEANERS |
| Facility Address: | 511 CEDAR ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 950600000 |

**C6 SSW < 1/8 0.024 mi. 127 ft.** — **PACIFIC DRY CLEANERS**, **511 CEDAR ST**, **SANTA CRUZ, CA 95060** — **EDR Hist Cleaner** — **1018835900**, **N/A**

**Site 3 of 3 in cluster C**

**Relative: Higher**

**Actual: 14 ft.**

EDR Hist Cleaner

| Year: | Name: | Type: |
|---|---|---|
| 1971 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1972 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1973 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1974 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1976 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1977 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1978 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1979 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1980 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1982 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1983 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1985 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1986 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1987 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 1988 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2001 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2002 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2003 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2004 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2005 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2006 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2007 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2008 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2009 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2010 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2011 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2012 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2013 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |
| 2014 | PACIFIC DRY CLEANERS | Drycleaning Plants, Except Rugs |

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**B7 ESE < 1/8 0.031 mi. 163 ft.** — **PACIFIC UNION APARTMENTS**, **1018 PACIFIC AVENUE**, **SANTA CRUZ, CA 95060** — **LUST** — **S105520722**, **CERS** — **N/A**

**Site 2 of 3 in cluster B**

**Relative: Lower**

**Actual: 10 ft.**

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |
| Facility County: | Santa Cruz |
| Global ID: | T0608716522 |
| Status: | Remediation Plan |
| Case Number: | 3436 |
| Local Case Num: | Not reported |
| Case Type: | O |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | Not reported |
| Leak Source: | Tank |
| Leak Cause: | UNK |
| How Stopped: | Change Procedures |





**PACIFIC UNION APARTMENTS (Continued)** — **S105520722**

| | |
|---|---|
| How Discovered: | OM |
| Release Date: | 06/27/2002 |
| Discovered Date: | 9/26/00 |
| Enter Date: | / / |
| Stop Date: | 9/26/00 |
| Review Date: | / / |
| Enforce Date: | Not reported |
| Close Date: | Not reported |
| Enforcement Type: | LET |
| Responsible Party: | JAN WAGONER |
| RP Address: | 8788 ELK GROVE BLVD., BUILDING 3, SUITE J |
| Contact: | Not reported |
| Cross Street: | CATHCART |
| Local Agency: | 44000 |
| Lead Agency: | Regional Board |
| Staff Initials: | TAS |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | / / |
| Remedial Plan: | 6/27/02 |
| Remedial Action: | Not reported |
| Monitoring: | / / |
| Pilot Program: | LUST |
| Interim Action: | Not reported |
| Funding: | Not reported |
| MTBE Class: | * |
| Max MTBE Grnd Wtr: | Not reported |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | / / |
| MTBE Tested: | NT |
| Lat/Long: | 0 / 0 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | Not reported |
| Mtbe Concentratn: | 0 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | Not reported |
| Beneficial: | Not reported |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | Not reported |
| Well Name: | Not reported |
| Distance From Well: | 0 |
| Assigned Name: | Not reported |
| Summary: | RELEASE ASSOCIATED WITH GAS STATION THAT OPERATED ON THE SITE BETWEEN THE 1930'S - 1960'S. DEWATERING OF SITE DURING CONSTRUCTION ACTIVITIES. |

CERS:

| | |
|---|---|
| Name: | PACIFIC UNION APARTMENTS |
| Address: | 1018 PACIFIC AVENUE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 209550 |
| CERS ID: | T0608716522 |

**PACIFIC UNION APARTMENTS (Continued)** **S105520722**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN B. GERBRANDT - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**B8 ESE < 1/8 0.031 mi. 163 ft.** **PACIFIC UNION APARTMENTS** **1018 PACIFIC AVENUE** **SANTA CRUZ, CA 95060** **LUST Cortese** **S108752641 N/A**

**Site 3 of 3 in cluster B**

**Relative: Lower**
**Actual: 10 ft.**

LUST:

Name: PACIFIC UNION APARTMENTS
Address: 1018 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608716522
Global Id: T0608716522
Latitude: 36.971543
Longitude: -122.025099
Status: Completed - Case Closed
Status Date: 09/17/2012
Case Worker: TAS
RB Case Number: 3436
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000052
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Annual Monitoring and Sampling, Feasibility Study and Interim Remedial Action Plan proposal 7/20/08. Site Address also known as 1010-1018 Pacific Ave., Santa Cruz, CA 95060 The site is located at 1018 Pacific Avenue in Santa Cruz and is currently a multi-story commercial building having with one level of underground parking. There are no active USTs present at the subject site. Significant remedial work tasks were completed between August 2002 & and November 2003 in conjunction with ongoing site development work, including Remedial activities included injection of an oxygen-enhancing





**PACIFIC UNION APARTMENTS (Continued)** **S108752641**

compound, removal of abandoned USTs, the excavation of 3,940 cubic yards of contaminated soil, and the permitted extraction and disposal of more than 230 million gallons of groundwater. During site development of the underground garage, an impermeable membrane was installed that extends down to 15 feet below grade. A groundwater monitoring program was initiated in June 2003 that included monitoring of groundwater conditions in four site monitoring wells. Groundwater flows towards the San Lorenzo River. The most recent groundwater monitoring event estimated the groundwater gradient at 0.003 foot/foot. Groundwater levels range from 7.84 feet to 8.75 feet beneath ground surface. The San Lorenzo River is located approximately 400 feet east of the site. There are no municipal supply wells within a half mile of the subject site. Residual soil and groundwater contamination may still exist on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or de-watering. The Central Coast Water Board, Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. The levels of residual contamination and any associated risks are expected to reduce with time.

LUST:

Global Id: T0608716522
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0608716522
Contact Type: Local Agency Caseworker
Contact Name: JOHN B. GERBRANDT
Organization Name: SANTA CRUZ COUNTY
Address: 701 Ocean Street, Room 312
City: SANTA CRUZ
Email: john.gerbrandt@santacruzcounty.us
Phone Number: Not reported

LUST:

Global Id: T0608716522
Action Type: Other
Date: 01/01/1999
Action: Leak Began

Global Id: T0608716522
Action Type: RESPONSE
Date: 08/01/2003
Action: Well Installation Report

Global Id: T0608716522
Action Type: RESPONSE
Date: 01/20/2003

**PACIFIC UNION APARTMENTS (Continued)** **S108752641**

Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 06/23/2005
Action: 13267 Requirement

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 04/20/2008
Action: File review

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 05/03/2012
Action: Notice of Public Hearing / Board Action

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 12/07/2000
Action: 13267 Requirement

Global Id: T0608716522
Action Type: Other
Date: 09/26/2000
Action: Leak Stopped

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Annually

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2011
Action: Monitoring Report - Annually

Global Id: T0608716522
Action Type: RESPONSE
Date: 07/15/2012
Action: Well Destruction Report

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 06/23/2005
Action: 13267 Requirement

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 05/07/2009
Action: File review

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2010
Action: Monitoring Report - Annually





**PACIFIC UNION APARTMENTS (Continued)** **S108752641**

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Annually

Global Id: T0608716522
Action Type: RESPONSE
Date: 04/20/2012
Action: Monitoring Report - Annually

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 08/01/2003
Action: Staff Letter

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 05/04/2012
Action: 13267 Requirement

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 09/05/2012
Action: Closure/No Further Action Letter

Global Id: T0608716522
Action Type: Other
Date: 09/26/2000
Action: Leak Discovery

Global Id: T0608716522
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: RESPONSE

**PACIFIC UNION APARTMENTS (Continued)** **S108752641**

Date: 04/20/2006
Action: Monitoring Report - Annually

Global Id: T0608716522
Action Type: RESPONSE
Date: 10/04/2004
Action: Monitoring Report - Quarterly

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 01/17/2003
Action: Staff Letter

Global Id: T0608716522
Action Type: ENFORCEMENT
Date: 03/05/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0608716522
Action Type: Other
Date: 06/27/2002
Action: Leak Reported

Global Id: T0608716522
Action Type: REMEDIATION
Date: 06/23/2005
Action: Monitored Natural Attenuation

Global Id: T0608716522
Action Type: REMEDIATION
Date: 08/01/2002
Action: Excavation

Global Id: T0608716522
Action Type: REMEDIATION
Date: 08/01/2002
Action: Pump & Treat (P&T) Groundwater

LUST:
Global Id: T0608716522
Status: Open - Case Begin Date
Status Date: 01/01/1999

Global Id: T0608716522
Status: Open - Site Assessment
Status Date: 09/26/2000

Global Id: T0608716522
Status: Open - Remediation
Status Date: 06/27/2002

Global Id: T0608716522
Status: Open - Remediation
Status Date: 01/17/2003

Global Id: T0608716522
Status: Open - Verification Monitoring





**PACIFIC UNION APARTMENTS (Continued)** **S108752641**

Status Date: 09/30/2003

Global Id: T0608716522
Status: Open - Remediation
Status Date: 04/20/2008

Global Id: T0608716522
Status: Open - Remediation
Status Date: 04/20/2009

Global Id: T0608716522
Status: Completed - Case Closed
Status Date: 09/17/2012

CORTESE:
Name: PACIFIC UNION APARTMENTS
Address: 1018 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608716522
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

---

**A9** **BANK OF AMERICA** **LUST** **S100925647**
**ENE** **1128 PACIFIC AVE** **SWEEPS UST** **N/A**
**< 1/8** **SANTA CRUZ, CA 95060** **Cortese**
**0.038 mi.** **HIST CORTESE**
**202 ft.** **Site 3 of 5 in cluster A** **CERS**

**Relative:**
**Lower**

**Actual:**
**11 ft.**

LUST:
Name: BANK OF AMERICA (FORMER)
Address: 1128 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700061
Global Id: T0608700061
Latitude: 36.9726024
Longitude: -122.0255709

**BANK OF AMERICA (Continued)** **S100925647**

Status: Completed - Case Closed
Status Date: 06/29/1995
Case Worker: Not reported
RB Case Number: 2392
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0608700061
Action Type: ENFORCEMENT
Date: 09/24/1993
Action: Unauthorized Release Form

Global Id: T0608700061
Action Type: ENFORCEMENT
Date: 06/29/1995
Action: Closure/No Further Action Letter

Global Id: T0608700061
Action Type: Other
Date: 03/01/1990
Action: Leak Discovery

Global Id: T0608700061
Action Type: Other
Date: 09/24/1993
Action: Leak Reported

LUST:
Global Id: T0608700061
Status: Open - Case Begin Date
Status Date: 03/01/1990

Global Id: T0608700061
Status: Completed - Case Closed
Status Date: 06/29/1995

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700061
Status: Case Closed
Case Number: 2392
Local Case Num: Not reported
Case Type: O
Substance: Oil and Grease Waste
Quantity: Not reported
Abatement Method: U
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported





**BANK OF AMERICA (Continued)** **S100925647**

How Discovered: Subsurface Monitoring
Release Date: 09/24/1993
Discovered Date: 3/1/90
Enter Date: 10/21/1993
Stop Date: Not reported
Review Date: 10/21/1993
Enforce Date: Not reported
Close Date: 6/29/95
Enforcement Type: Not reported
Responsible Party: MICHAEL HUGGS
RP Address: 5601 DAVIS ST
Contact: Not reported
Cross Street: SOQUEL
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 36.9726024 / -122.0255709
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: RELEASE OCCURED OVER 30 YEARS AGO AT FORMER GAS STATION. THIS IS RESIDUAL SUBSTANCE. HAVE NOT CONFIRMED THAT RELEASE WAS ONSITE. CASE CLOSED

SWEEPS UST:
Name: BANK OF AMERICA
Address: 1128 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 68531

**BANK OF AMERICA (Continued)** **S100925647**

| | |
|---|---|
| Number: | Not reported |
| Board Of Equalization: | 44-034625 |
| Referral Date: | Not reported |
| Action Date: | Not reported |
| Created Date: | Not reported |
| Owner Tank Id: | Not reported |
| SWRCB Tank Id: | 44-000-068531-000001 |
| Tank Status: | Not reported |
| Capacity: | 300 |
| Active Date: | Not reported |
| Tank Use: | Not reported |
| STG: | PRODUCT |
| Content: | Not reported |
| Number Of Tanks: | 1 |

CORTESE:

| | |
|---|---|
| Name: | BANK OF AMERICA (FORMER) |
| Address: | 1128 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700061 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | BANK OF AMERICA (FORMER) |
| edr_fadd1: | 1128 PACIFIC |
| City,State,Zip: | SANTA CRUZ, CA |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 2392 |

CERS:

| | |
|---|---|
| Name: | BANK OF AMERICA (FORMER) |
| Address: | 1128 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 219698 |
| CERS ID: | T0608700061 |





**BANK OF AMERICA (Continued)** **S100925647**

| | |
|---|---|
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

---

**A10 NNE < 1/8 0.045 mi. 236 ft.** **GAP 137** **CERS HAZ WASTE** **S124559584**
**1225 PACIFIC AVE** **CERS** **N/A**
**SANTA CRUZ, CA 95060** **HWTS**

**Site 4 of 5 in cluster A**

**Relative: Lower**

**Actual: 13 ft.**

CERS HAZ WASTE:

| | |
|---|---|
| Name: | GAP 137 |
| Address: | 1225 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 562204 |
| CERS ID: | 10832716 |
| CERS Description: | Hazardous Waste Generator |

CERS:

| | |
|---|---|
| Name: | GAP 137 |
| Address: | 1225 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 562204 |
| CERS ID: | 10832716 |
| CERS Description: | Chemical Storage Facilities |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Jessica Otto |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | g2 revolution |
| Entity Title: | Not reported |
| Affiliation Address: | 8585 Pyott Rd. Ste. 100 |
| Affiliation City: | Lake in the Hills |
| Affiliation State: | IL |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 60156 |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Jessica Otto |
| Entity Title: | EHS Manager - g2 revolution |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |

**GAP 137 (Continued)** **S124559584**

Affiliation Address: 8585 Pyott Rd. Ste. 100
Affiliation City: Lake in the Hills
Affiliation State: IL
Affiliation Country: Not reported
Affiliation Zip: 60156
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Gap 137
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 425-3721,

Affiliation Type Desc: Parent Corporation
Entity Name: Gap Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Legal Owner
Entity Name: Gap, Inc.
Entity Title: Not reported
Affiliation Address: Two Folsom Street
Affiliation City: San Francisco
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94105
Affiliation Phone: (415) 427-2888,

HWTS:
Name: GAP 137
Address: 1225 PACIFIC AVE
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000453659
Inactive Date: Not reported
Create Date: 03/18/2020
Last Act Date: 05/20/2021





**GAP 137 (Continued)** **S124559584**

Mailing Name: Not reported
Mailing Address: 800 CHURCH STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: LAKE ZURICH, IL 60047
Owner Name: GAP INC
Owner Address: TWO FOLSOM ST
Owner Address 2: Not reported
Owner City,State,Zip: SAN FRANCISCO, CA 94105
Contact Name: JESSICA OTTO
Contact Address: 800 CHURCH STREET
Contact Address 2: Not reported
City,State,Zip: LAKE ZURICH, IL 600470000

NAICS:
EPA ID: CAL000453659
Create Date: 2020-03-18 12:17:56.900
NAICS Code: 448140
NAICS Description: Family Clothing Stores
Issued EPA ID Date: 2020-03-18 12:17:56.88700
Inactive Date: Not reported
Facility Name: GAP 137
Facility Address: 1225 PACIFIC AVE
Facility Address 2: Not reported
Facility City: SANTA CRUZ
Facility County: Not reported
Facility State: CA
Facility Zip: 95060

Name: GLORIA WELSH
Address: 1225 PACIFIC AVE
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950600000
EPA ID: CAC001467256
Inactive Date: 10/25/2000
Create Date: 12/09/1998
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: 1205 PACIFIC AVE RM 207
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA CRUZ, CA 950600000
Owner Name: GLORIA WELSH
Owner Address: 1205 PACIFIC AVE RM 207
Owner Address 2: Not reported
Owner City,State,Zip: SANTA CRUZ, CA 950600000
Contact Name: NANCY LAKE/CONTR
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

**A11 NNE < 1/8 0.045 mi. 236 ft.** | **GAP 137** | **RCRA NonGen / NLR** | **1026057460** | **CAL000453659**

**1225 PACIFIC AVE**
**SANTA CRUZ, CA 95060**

**Site 5 of 5 in cluster A**

**Relative: Lower**
**Actual: 13 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20200318 |
| Handler Name: | GAP 137 |
| Handler Address: | 1225 PACIFIC AVE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAL000453659 |
| Contact Name: | JESSICA OTTO |
| Contact Address: | 8585 PYOTT RD STE 100 |
| Contact City,State,Zip: | LAKE IN THE HILLS, IL 60156 |
| Contact Telephone: | 224-858-4583 |
| Contact Fax: | Not reported |
| Contact Email: | JESSICA.OTTO@G2REV.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 8585 PYOTT RD STE 100 |
| Mailing City,State,Zip: | LAKE IN THE HILLS, IL 60156 |
| Owner Name: | GAP INC |
| Owner Type: | Other |
| Operator Name: | JESSICA OTTO |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |





**GAP 137 (Continued)** **1026057460**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20200320 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GAP INC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 2 FOLSOM ST |
| Owner/Operator City,State,Zip: | SAN FRANCISCO, CA 94105 |
| Owner/Operator Telephone: | 415-427-2888 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JESSICA OTTO |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 8585 PYOTT RD STE 100 |
| Owner/Operator City,State,Zip: | LAKE IN THE HILLS, IL 60156 |
| Owner/Operator Telephone: | 224-858-4583 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**GAP 137 (Continued)** **1026057460**

Historic Generators:
- Receive Date: 20200318
- Handler Name: GAP 137
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 448140
- NAICS Description: FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

---

**D12 WNW < 1/8 0.052 mi. 275 ft.** | **SANTA CRUZ GOODYEAR** | **220 LINCOLN ST** | **SANTA CRUZ, CA 95060** | **RCRA-SQG FINDS ECHO** | **1000395035 CAD982370413**

**Site 1 of 4 in cluster D**

**Relative: Higher**
**Actual: 18 ft.**

RCRA-SQG:
- Date Form Received by Agency: 19880418
- Handler Name: SANTA CRUZ GOODYEAR
- Handler Address: 220 LINCOLN ST
- Handler City,State,Zip: SANTA CRUZ, CA 95060
- EPA ID: CAD982370413
- Contact Name: ENVIRONMENTAL MANAGER
- Contact Address: 220 LINCOLN ST
- Contact City,State,Zip: SANTA CRUZ, CA 95060
- Contact Telephone: 408-423-0100
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: CA
- State District: 2
- Mailing Address: LINCOLN ST
- Mailing City,State,Zip: SANTA CRUZ, CA 95060
- Owner Name: LEASE FROM GOODYEAR





**SANTA CRUZ GOODYEAR (Continued)** **1000395035**

- Owner Type: Private
- Operator Name: NOT REQUIRED
- Operator Type: Private
- Short-Term Generator Activity: No
- Importer Activity: No
- Mixed Waste Generator: No
- Transporter Activity: No
- Transfer Facility Activity: No
- Recycler Activity with Storage: No
- Small Quantity On-Site Burner Exemption: No
- Smelting Melting and Refining Furnace Exemption: No
- Underground Injection Control: No
- Off-Site Waste Receipt: No
- Universal Waste Indicator: No
- Universal Waste Destination Facility: No
- Federal Universal Waste: No
- Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site Converter Treatment storage and Disposal Facility: Not reported
- Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site State-Reg Handler: ---
- Federal Facility Indicator: Not reported
- Hazardous Secondary Material Indicator: NN
- Sub-Part K Indicator: Not reported
- Commercial TSD Indicator: No
- Treatment Storage and Disposal Type: Not reported
- 2018 GPRA Permit Baseline: Not on the Baseline
- 2018 GPRA Renewals Baseline: Not on the Baseline
- Permit Renewals Workload Universe: Not reported
- Permit Workload Universe: Not reported
- Permit Progress Universe: Not reported
- Post-Closure Workload Universe: Not reported
- Closure Workload Universe: Not reported
- 202 GPRA Corrective Action Baseline: No
- Corrective Action Workload Universe: No
- Subject to Corrective Action Universe: No
- Non-TSDFs Where RCRA CA has Been Imposed Universe: No
- TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
- TSDFs Only Subject to CA under Discretionary Auth Universe: No
- Corrective Action Priority Ranking: No NCAPS ranking
- Environmental Control Indicator: No
- Institutional Control Indicator: No
- Human Exposure Controls Indicator: N/A
- Groundwater Controls Indicator: N/A
- Operating TSDF Universe: Not reported
- Full Enforcement Universe: Not reported
- Significant Non-Complier Universe: No
- Unaddressed Significant Non-Complier Universe: No
- Addressed Significant Non-Complier Universe: No
- Significant Non-Complier With a Compliance Schedule Universe: No
- Financial Assurance Required: Not reported
- Handler Date of Last Change: 20000915
- Recognized Trader-Importer: No
- Recognized Trader-Exporter: No
- Importer of Spent Lead Acid Batteries: No
- Exporter of Spent Lead Acid Batteries: No
- Recycler Activity Without Storage: Not reported
- Manifest Broker: Not reported

**SANTA CRUZ GOODYEAR (Continued)** **1000395035**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LEASE FROM GOODYEAR
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19880418
Handler Name: SANTA CRUZ GOODYEAR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002802370





**SANTA CRUZ GOODYEAR (Continued)** **1000395035**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000395035
Registry ID: 110002802370
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002802370
Name: SANTA CRUZ GOODYEAR
Address: 220 LINCOLN ST
City,State,Zip: SANTA CRUZ, CA 95060

---

**E13** **BAY PHOTO INC SANTA CRUZ STORE** **RCRA-SQG** **1001115513**
**NNW** **119 WALNUT AVE** **FINDS** **CAR000014498**
**< 1/8** **SANTA CRUZ, CA 95060** **ECHO**
**0.058 mi.**
**307 ft.** **Site 1 of 2 in cluster E**

**Relative:**
**Higher**

**Actual:**
**15 ft.**

RCRA-SQG:
Date Form Received by Agency: 19960815
Handler Name: BAY PHOTO INC SANTA CRUZ STORE
Handler Address: 119 WALNUT AVE
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAR000014498
Contact Name: LARRY ABITBOL
Contact Address: 2853 PARK AVE
Contact City,State,Zip: SOQUEL, CA 95073
Contact Telephone: 408-475-6686
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: PARK AVE
Mailing City,State,Zip: SOQUEL, CA 95073
Owner Name: LARRY ABITBOL AND NANCY EDGERLY
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

**BAY PHOTO INC SANTA CRUZ STORE (Continued)** **1001115513**

| | |
|---|---|
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LARRY ABITBOL AND NANCY EDGERLY |





**BAY PHOTO INC SANTA CRUZ STORE (Continued)** **1001115513**

| | |
|---|---|
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 2853 PARK AVE |
| Owner/Operator City,State,Zip: | SOQUEL, CA 95073 |
| Owner/Operator Telephone: | 408-475-6686 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19960815 |
| Handler Name: | BAY PHOTO INC SANTA CRUZ STORE |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

FINDS:

| | |
|---|---|
| Registry ID: | 110002913535 |

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1001115513 |
| Registry ID: | 110002913535 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002913535 |
| Name: | BAY PHOTO INC SANTA CRUZ STORE |
| Address: | 119 WALNUT AVE |

**BAY PHOTO INC SANTA CRUZ STORE (Continued)** **1001115513**

City,State,Zip: SANTA CRUZ, CA 95060

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**F14 ESE < 1/8 0.070 mi. 371 ft.** **FORMER GREYHOUND PASSENGER STATION** **RCRA-LQG 1016139872**
**425 FRONT STREET** **FINDS CAC002662533**
**SANTA CRUZ, CA 95060**

**Site 1 of 6 in cluster F**

**Relative: Lower**
**Actual: 8 ft.**

RCRA-LQG:

| | |
|---|---|
| Date Form Received by Agency: | 20130220 |
| Handler Name: | FORMER GREYHOUND PASSENGER STATION |
| Handler Address: | 425 FRONT STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC002662533 |
| Contact Name: | SUSAN KIRKPATRICK |
| Contact Address: | VINE STREET, SUITE 1400 |
| Contact City,State,Zip: | CINCINNATI, OH 45202 |
| Contact Telephone: | 513-419-8639 |
| Contact Fax: | Not reported |
| Contact Email: | SUSAN.KIRKPATRICK@FIRSTGROUP.COM |
| Contact Title: | ENV PROGRAM MANAGER |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Large Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | 2011 |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | FRONT STREET |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Owner Type: | Municipal |
| Operator Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Operator Type: | Municipal |
| Short-Term Generator Activity: | Yes |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |





**FORMER GREYHOUND PASSENGER STATION (Continued)** **1016139872**

| | |
|---|---|
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20130301 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Legal Status: | Municipal |
| Date Became Current: | 20111229 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**FORMER GREYHOUND PASSENGER STATION (Continued)** **1016139872**

Owner/Operator Indicator: Owner
Owner/Operator Name: SANTA CRUZ METROPOLITAN TRANSIT DISTRICT
Legal Status: Municipal
Date Became Current: 20111229
Date Ended Current: Not reported
Owner/Operator Address: 110 VERNON STREET
Owner/Operator City,State,Zip: SANTA CRUZ, CA 95060
Owner/Operator Telephone: 831-426-6080
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20130220
Handler Name: FORMER GREYHOUND PASSENGER STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 485113
NAICS Description: BUS AND OTHER MOTOR VEHICLE TRANSIT SYSTEMS

NAICS Code: 485999
NAICS Description: ALL OTHER TRANSIT AND GROUND PASSENGER TRANSPORTATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055161113

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER





**FORMER GREYHOUND PASSENGER STATION (Continued)** **1016139872**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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**F15 GREYHOUND TERMINAL** **CPS-SLIC S106455221**
**ESE 425 FRONT STREET** **CERS N/A**
**< 1/8 SANTA CRUZ, CA 95060**
**0.070 mi.**
**371 ft.** **Site 2 of 6 in cluster F**

**Relative: Lower**
**Actual: 8 ft.**

SLIC REG 3:
Name: GREYHOUND TERMINAL
Address: 425 FRONT STREET
City: SANTA CRUZ
Region: 3
Leak Site Cross Street: Not reported
Regional Board Case#: S342
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: GREYHOUND LINES INC
Responsible Party: MS. JUNE WEIRICH
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 350 ST. PAUL STREET
RP City,St,Zip: DALLAS, TX 75266
Date First Reported: 20-Oct-03
Lead Agency: Regional Board
Program Type: Not reported
Facility Status: Not reported
Case Type: Other ground water affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: No
Case Type Other Grnd Wtr: Yes
PCA: Not reported

CERS:
Name: GREYHOUND TERMINAL
Address: 425 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 259742
CERS ID: SL0608724434
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: THEA TRYON - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 805 AEROVISTA PLACE, SUITE 101
Affiliation City: SAN LUIS OBSIPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker

**GREYHOUND TERMINAL (Continued)** **S106455221**

Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

**F16 ESE < 1/8 0.070 mi. 371 ft.** **GREYHOUND BUS DEPOT PROPERTY** **RESPONSE** **S108748087**
**425 FRONT STREET** **ENVIROSTOR** **N/A**
**SANTA CRUZ, CA 95060** **CPS-SLIC**
**DEED**

**Site 3 of 6 in cluster F**

**Relative: Lower**
**Actual: 8 ft.**

RESPONSE:
Name: GREYHOUND BUS DEPOT PROPERTY
Address: 425 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 60001132
Site Type: State Response
Site Type Detail: State Response ERAP
Acres: 0.48
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jovanne Villamater
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Site Code: 290006
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 29
Senate: 17
Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 03/01/2011
Restricted Use: YES
Funding: Responsible Party
Latitude: 36.97117
Longitude: -122.0245
APN: NONE SPECIFIED
Past Use: UNKNOWN
Potential COC : Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL Antimony and compounds Cadmium and compounds
Confirmed COC: Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL
Potential Description: SOIL
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: SL0608724434
Alias Type: GeoTracker Global ID
Alias Name: 290006
Alias Type: Project Code (Site Code)
Alias Name: 60001132
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2020
Comments: Due to COVID-19 Pandemic, Annual Cost Estimate transmitted via email on 10/05/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2021
Comments: Annual Cost Estimate transmitted via email on 09/17/2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: DTSC oversight cost estimate for fiscal year 2017/2018 (July 1, 2017 - June 30, 2018)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: DTSC annual oversight cost estimate for fiscal year 2018/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: DTSC letter with oversight cost estimate for fiscal year 2016/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/24/2009
Comments: Site assigned to DTSC under ERAP program. Metals (lead, arsenic), PAHs, and TPH-motor oil are contaminants of concern at the site.

Completed Area Name: PROJECT WIDE

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/25/2010
Comments: Public Participation Plan finalized March 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/30/2009
Comments: Workplan approved 12/30/2009. Six soil-gas samples to be collect with 6L Summa canisters and sorbent tubes to test for (in particular) naphthalene, cis-1,2-DCE. Fieldwork to begin 01/05/2010; sampling of soil and groundwater detailed in an addendum to this workplan also to be performed. Results to be incorporated into Draft RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/06/2010
Comments: Fieldwork completed 1/6/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/31/2009
Comments: Work notice finalized 12/31/2009. Outlines work to be performed January 5 & 6, 2010. Notices hand delivered to community on January 4, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/04/2010
Comments: Full Title: Workplan Addendum to Shallow Soil Vapor Survey - Confirmation Soil & Groundwater Sampling to Address Limited Data Gaps. Four soil sampling locations will be tested to delineate depth of PAH contamination; 3 grab groundwater samples will be collected to determine if metals found in soil have impacted shallow groundwater. Work to be done in conjunction with soil-vapor sampling (scheduled





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

for Jan 5 2010.)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/23/2002
Comments: Report was prepared prior to DTSC oversight. Phase I/II ESA performed to assess environmental impacts at site. Lead detected in soil at high concentrations; cis-1,2-dichloroethene detected in groundwater slightly above screening levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/04/2004
Comments: Report was prepared prior to DTSC oversight. A discolored soil lens was found; appears to contain elevated concentrations of lead, PAHs and TPH. Groundwater sample results indicate the soil lens is not significantly impacting groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/10/2003
Comments: Workplan was prepared prior to DTSC involvment and oversight. Workplan prepared to characterize soil and groundwater at site (follow up to Phase I/II ESA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/30/2005
Comments: Document prepared prior to DTSC involvement and oversight. Comments made by County of Santa Cruz Environmental Health in response to Soil and Groundwater Delineation Investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/03/2006
Comments: Workplan prepared prior to DTSC involvment and oversight. Workplan prepared to further delineate contaminants found at site. Prepared under oversight of County of Santa Cruz Environmental Health and Regional Water Quality Control Board (Central Coast).

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/13/2006
Comments: Report prepared prior to DTSC involvement and oversight; prepared under oversight of County of Santa Cruz Environmental Health and RWQCB(Central Coast). Soil contaminated with Polynuclear Aromatic Hydrocarbons (PAHs), Total Petroleum Hydrocarbons as motor oil (TPH-mo), and metals (lead and arsenic). Groundwater does not appear to be impacted by contaminated soils.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/31/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2011
Comments: Fieldwork implemented as described in RAP and RDIP for 3ft clean cap across entire site; only exception is 88ftx3ft area in northeast corner along northern border- excavation of soils only down to 15 inches bgs in order to preserve foundation stability of building on adjacent parcel to the north.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/01/2011
Comments: Remedial Action Completion Report finalized 3/1/2011. Remedial Action of creating 3 foot clean cap sitewide performed as detailed in RAP and RDIP, with exception of 88ftx3ft section in NE corner of site, along northern border, which has clean cap of apprx 15 inches. LUC and O&M Agreement signed for the site 3/1/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/26/2011
Comments: Work notice announcing cleanup activities distributed by Weber, Hayes and Associates (consultant) by hand to community surrounding site on 1/22/2011 and 1/23/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/30/2017
Comments: The Remedial Action Five-Year Review report concluded the Site remedy (site-wide cap comprised of 3-feet of clean fill and asphalt pavement ) remains protective of human health and the environment. An annual cap inspection was performed in conjunction with the Five-Year Review and the cap was observed to be in good condition and no evidence of cap disturbance was observed. The Site use as parking lot for buses remains compliant with the Land Use Covenant.





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/30/2012
Comments: Cap Inspection Report approved. Site remains paved and in good condition; no disturbance of cap was reported for 2011-2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/12/2013
Comments: Inspection completed 8/8/2013; Cap in good condition, use as parking lot has not changed. No indication of disturbance of cap and/or underlying soils.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/16/2014
Comments: Cap in good working condition. Site use as parking lot for buses has not changed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/08/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/15/2016
Comments: The report documents an annual inspection that was performed to verify compliance with the restrictions included in the Land Use Covenant that was put in place for the Site, including restrictions on disturbance of the cap and contaminated soil. The Site cap was observed to be in good condition and remains a parking lot for City buses. A few depressions were observed, but had not affected the cap integrity. No evidence of disturbance of the Site cap or contaminated soil was observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/12/2014
Comments: The cost estimate includes costs for performing annual cap inspections and Five-Year Reviews for a period of 30-years.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 02/11/2015
Comments: Financial Assurance Cost Estimate approved by Branch Chief. FA Mechanism checked and approved by Financial Responsibility Unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 11/30/2017
Comments: The Annual Inspection Report (2017) was submitted as required by section 4.05 of the Land Use Covenant to verify compliance with its restrictions and requirements. Additionally, the cap on the Site was checked during the Site inspection that was performed to confirm its integrity. The Site continues to be used as parking lot for buses. The Site fully is covered by an asphalt cap; no maintenance or cap disturbing activities were observed. The Site remains compliant with Land Use Covenant and Operation and Maintenance Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020
Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020
Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020
Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Expedited Remedial Action Program Agreement
Completed Date: 04/12/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 10/08/2009
Comments: DTSC held Site Conference on 10/8/2009 with City of Santa Cruz Redevelopment Agency and Metroplitan Transit District, County of Santa Cruz Environmental Health Services, and potentially responsible persons preliminarily identified by DTSC. Expedited Remedial Action Program and Site cleanup project were discussed at the Site Conference.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2011
Comments: Site Certified 3/1/2011; letter and certification documents sent out 3/4/2011. Completion Report approved 3/1/2011; LUC recorded and O&M Agreement signed; site now in Operation and Maintenance.





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/28/2009
Comments: Letter declaring the Greyhound site designated as a DTSC Expedited Remedial Action Program (ERAP) site during a Site Designation Committee meeting held on July 23, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Allocation of Liability for SB 923 Sites
Completed Date: 07/01/2010
Comments: Apportionment of Responsibility completed and signed 07/01/2010. Responsible Parties and allocated percentage: Greyhound/TRIP - 25%; Chevron/PG&E - 10% ; Orphan Share - 65%.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/07/2009
Comments: Materials sent to DTSC for site application to ERAP; outgoing letter to TRIP (proponent) confirming receipt of application materials

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/01/2011
Comments: LUC Signed 3/1/2011 by Santa Cruz Metropolitan Transit District. No sensitive uses (commercial/industrial deed restriction). 3 foot clean cover across site, except for 88ftx3ft section in northeast corner of site, along northern border, which has a 15-inch clean cover. O&M Agreement (with Cap Management Plan) signed by SCMTD.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Schedule Revised Date: Not reported

ENVIROSTOR:
Name: GREYHOUND BUS DEPOT PROPERTY
Address: 425 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 60001132
Status: Certified / Operation & Maintenance
Status Date: 03/01/2011
Site Code: 290006
Site Type: State Response
Site Type Detailed: State Response ERAP
Acres: 0.48
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jovanne Villamater
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 36.97117
Longitude: -122.0245
APN: NONE SPECIFIED
Past Use: UNKNOWN
Potential COC: Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL Antimony and compounds Cadmium and compounds
Confirmed COC: Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL
Potential Description: SOIL
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: SL0608724434
Alias Type: GeoTracker Global ID
Alias Name: 290006
Alias Type: Project Code (Site Code)
Alias Name: 60001132
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2020
Comments: Due to COVID-19 Pandemic, Annual Cost Estimate transmitted via email on 10/05/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2021
Comments: Annual Cost Estimate transmitted via email on 09/17/2021.

Completed Area Name: PROJECT WIDE





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: DTSC oversight cost estimate for fiscal year 2017/2018 (July 1, 2017 - June 30, 2018)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: DTSC annual oversight cost estimate for fiscal year 2018/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: DTSC letter with oversight cost estimate for fiscal year 2016/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/24/2009
Comments: Site assigned to DTSC under ERAP program. Metals (lead, arsenic), PAHs, and TPH-motor oil are contaminants of concern at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/25/2010
Comments: Public Participation Plan finalized March 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/30/2009
Comments: Workplan approved 12/30/2009. Six soil-gas samples to be collect with 6L Summa canisters and sorbent tubes to test for (in particular) naphthalene, cis-1,2-DCE. Fieldwork to begin 01/05/2010; sampling of soil and groundwater detailed in an addendum to this workplan also to be performed. Results to be incorporated into Draft RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/06/2010
Comments: Fieldwork completed 1/6/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/31/2009
Comments: Work notice finalized 12/31/2009. Outlines work to be performed January 5 & 6, 2010. Notices hand delivered to community on January 4, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/04/2010
Comments: Full Title: Workplan Addendum to Shallow Soil Vapor Survey - Confirmation Soil & Groundwater Sampling to Address Limited Data Gaps. Four soil sampling locations will be tested to delineate depth of PAH contamination; 3 grab groundwater samples will be collected to determine if metals found in soil have impacted shallow groundwater. Work to be done in conjunction with soil-vapor sampling (scheduled for Jan 5 2010.)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/25/2010
Comments: Not reported





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/23/2002
Comments: Report was prepared prior to DTSC oversight. Phase I/II ESA performed to assess environmental impacts at site. Lead detected in soil at high concentrations; cis-1,2-dichloroethene detected in groundwater slightly above screening levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/04/2004
Comments: Report was prepared prior to DTSC oversight. A discolored soil lens was found; appears to contain elevated concentrations of lead, PAHs and TPH. Groundwater sample results indicate the soil lens is not significantly impacting groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/10/2003
Comments: Workplan was prepared prior to DTSC involvment and oversight. Workplan prepared to characterize soil and groundwater at site (follow up to Phase I/II ESA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/30/2005
Comments: Document prepared prior to DTSC involvement and oversight. Comments made by County of Santa Cruz Environmental Health in response to Soil and Groundwater Delineation Investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/03/2006
Comments: Workplan prepared prior to DTSC involvment and oversight. Workplan prepared to further delineate contaminants found at site. Prepared under oversight of County of Santa Cruz Environmental Health and Regional Water Quality Control Board (Central Coast).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/13/2006
Comments: Report prepared prior to DTSC involvement and oversight; prepared under oversight of County of Santa Cruz Environmental Health and RWQCB(Central Coast). Soil contaminated with Polynuclear Aromatic Hydrocarbons (PAHs), Total Petroleum Hydrocarbons as motor oil (TPH-mo), and metals (lead and arsenic). Groundwater does not appear to be impacted by contaminated soils.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Date: 01/31/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2011
Comments: Fieldwork implemented as described in RAP and RDIP for 3ft clean cap across entire site; only exception is 88ftx3ft area in northeast corner along northern border- excavation of soils only down to 15 inches bgs in order to preserve foundation stability of building on adjacent parcel to the north.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/01/2011
Comments: Remedial Action Completion Report finalized 3/1/2011. Remedial Action of creating 3 foot clean cap sitewide performed as detailed in RAP and RDIP, with exception of 88ftx3ft section in NE corner of site, along northern border, which has clean cap of apprx 15 inches. LUC and O&M Agreement signed for the site 3/1/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/26/2011
Comments: Work notice announcing cleanup activities distributed by Weber, Hayes and Associates (consultant) by hand to community surrounding site on 1/22/2011 and 1/23/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/30/2017
Comments: The Remedial Action Five-Year Review report concluded the Site remedy (site-wide cap comprised of 3-feet of clean fill and asphalt pavement ) remains protective of human health and the environment. An annual cap inspection was performed in conjunction with the Five-Year Review and the cap was observed to be in good condition and no evidence of cap disturbance was observed. The Site use as parking lot for buses remains compliant with the Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/30/2012
Comments: Cap Inspection Report approved. Site remains paved and in good condition; no disturbance of cap was reported for 2011-2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/12/2013
Comments: Inspection completed 8/8/2013; Cap in good condition, use as parking lot has not changed. No indication of disturbance of cap and/or underlying soils.





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/16/2014
Comments: Cap in good working condition. Site use as parking lot for buses has not changed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/08/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/15/2016
Comments: The report documents an annual inspection that was performed to verify compliance with the restrictions included in the Land Use Covenant that was put in place for the Site, including restrictions on disturbance of the cap and contaminated soil. The Site cap was observed to be in good condition and remains a parking lot for City buses. A few depressions were observed, but had not affected the cap integrity. No evidence of disturbance of the Site cap or contaminated soil was observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/12/2014
Comments: The cost estimate includes costs for performing annual cap inspections and Five-Year Reviews for a period of 30-years.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 02/11/2015
Comments: Financial Assurance Cost Estimate approved by Branch Chief. FA Mechanism checked and approved by Financial Responsibility Unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 11/30/2017
Comments: The Annual Inspection Report (2017) was submitted as required by section 4.05 of the Land Use Covenant to verify compliance with its restrictions and requirements. Additionally, the cap on the Site was checked during the Site inspection that was performed to confirm its integrity. The Site continues to be used as parking lot for buses. The Site fully is covered by an asphalt cap; no maintenance or cap disturbing activities were observed. The Site remains compliant with Land Use Covenant and Operation and Maintenance Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020
Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/09/2020
Comments: Annual Inspection Report indicates cap in good condition, no signs of disturbance. Site use remains consistent with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Expedited Remedial Action Program Agreement
Completed Date: 04/12/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 10/08/2009
Comments: DTSC held Site Conference on 10/8/2009 with City of Santa Cruz Redevelopment Agency and Metroplitan Transit District, County of Santa Cruz Environmental Health Services, and potentially responsible persons preliminarily identified by DTSC. Expedited Remedial Action Program and Site cleanup project were discussed at the Site Conference.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2011
Comments: Site Certified 3/1/2011; letter and certification documents sent out 3/4/2011. Completion Report approved 3/1/2011; LUC recorded and O&M Agreement signed; site now in Operation and Maintenance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence





**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Completed Date: 07/28/2009
Comments: Letter declaring the Greyhound site designated as a DTSC Expedited Remedial Action Program (ERAP) site during a Site Designation Committee meeting held on July 23, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Allocation of Liability for SB 923 Sites
Completed Date: 07/01/2010
Comments: Apportionment of Responsibility completed and signed 07/01/2010. Responsible Parties and allocated percentage: Greyhound/TRIP - 25%; Chevron/PG&E - 10% ; Orphan Share - 65%.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/07/2009
Comments: Materials sent to DTSC for site application to ERAP; outgoing letter to TRIP (proponent) confirming receipt of application materials

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/01/2011
Comments: LUC Signed 3/1/2011 by Santa Cruz Metropolitan Transit District. No sensitive uses (commercial/industrial deed restriction). 3 foot clean cover across site, except for 88ftx3ft section in northeast corner of site, along northern border, which has a 15-inch clean cover. O&M Agreement (with Cap Management Plan) signed by SCMTD.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: GREYHOUND TERMINAL
Address: 425 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status: Open - Verification Monitoring**
Status Date: 04/17/2009
Global Id: SL0608724434
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60001132
Latitude: 36.971499
Longitude: -122.024105
Case Type: Cleanup Program Site

**GREYHOUND BUS DEPOT PROPERTY (Continued)** **S108748087**

Case Worker: JN
Local Agency: SANTA CRUZ COUNTY
RB Case Number: S342
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History: Currently Grehound Bus Depo and Santa Cruz Metro Transportation Department. Predominantly soil issues only and DTSC is lead on this case. Additional information is available at: http://www.envirostor.dtsc.ca.gov

Click here to access the California GeoTracker records for this facility:

DEED:
Name: GREYHOUND BUS DEPOT PROPERTY
Address: 425 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: 60001132
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/01/2011
File Name: Envirostor Land Use Restrictions

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**17 ENE < 1/8 0.073 mi. 387 ft.** **PIONEER SUPER SERVICE** **EDR Hist Auto** **1020364807**
**515 FRONT ST** **N/A**
**SANTA CRUZ, CA 95060**

**Relative: Lower**
**Actual: 8 ft.**

EDR Hist Auto

| Year: | Name: | Type: |
|---|---|---|
| 1969 | PIONEER SUPER SERVICE | General Automotive Repair Shops |
| 1971 | PIONEER SUPER SERVICE | General Automotive Repair Shops |
| 1972 | PIONEER SUPER SERVICE | General Automotive Repair Shops |
| 1973 | PIONEER SUPER SERVICE | General Automotive Repair Shops |

---

**D18 West < 1/8 0.075 mi. 394 ft.** **BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY** **RCRA NonGen / NLR** **1026813014**
**543 CENTER ST** **CAC003125563**
**SANTA CRUZ, CA 95060**

**Site 2 of 4 in cluster D**

**Relative: Higher**
**Actual: 18 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20210621
Handler Name: BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY
Handler Address: 543 CENTER ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAC003125563
Contact Name: KATEE FREEMAN
Contact Address: 543 CENTER ST





**BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY (Continued)** **1026813014**

Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-423-3138
Contact Fax: Not reported
Contact Email: KATEE@BOYSANDGIRLSCLUB.INFO
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 543 CENTER ST
Mailing City,State,Zip: SANTA CRUZ, CA 95060
Owner Name: BOYS & GIRLS CLUB OF SANTA CRUZ COU
Owner Type: Other
Operator Name: KATEE FREEMAN
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No

**BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY (Continued)** **1026813014**

| | |
|---|---|
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210630 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | KATEE FREEMAN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 543 CENTER ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-3138 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BOYS & GIRLS CLUB OF SANTA CRUZ COU |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 543 CENTER ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-3138 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20210621 |
| Handler Name: | BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |





**BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY (Continued)** **1026813014**

| | |
|---|---|
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

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**D19** **BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY** **RCRA NonGen / NLR** **1026811989**
**West** **543 CENTER STREET** **CAC003124479**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.075 mi.**
**394 ft.** **Site 3 of 4 in cluster D**

**Relative:**
**Higher**

**Actual:**
**18 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20210614 |
| Handler Name: | BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY |
| Handler Address: | 543 CENTER STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003124479 |
| Contact Name: | KATEE FREEMAN |
| Contact Address: | 543 CENTER STREET |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-423-3138 |
| Contact Fax: | Not reported |
| Contact Email: | KATEE@BOYSANDGIRLSCLUB.INFO |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 543 CENTER STREET |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | KATEE FREEMAN |
| Owner Type: | Other |
| Operator Name: | KATEE FREEMAN |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |

**BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY (Continued)** **1026811989**

| | |
|---|---|
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210618 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | KATEE FREEMAN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 543 CENTER STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |





**BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY (Continued)** **1026811989**

| | |
|---|---|
| Owner/Operator Telephone: | 831-423-3138 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | KATEE FREEMAN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 543 CENTER STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-3138 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20210614 |
| Handler Name: | BOYS & GIRLS CLUB OF SANTA CRUZ COUNTY |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

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**F20** **SANTA CRUZ METROPOLITAN TRANSIT DISTRICT** **RCRA NonGen / NLR** **1025867781**
**SE** **920 PACIFIC AVE** **CAL000333253**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.078 mi.**
**410 ft.** **Site 4 of 6 in cluster F**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20080603 |
| Handler Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Handler Address: | 920 PACIFIC AVE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060-4455 |
| EPA ID: | CAL000333253 |
| Contact Name: | FREDDY ROCHA |
| Contact Address: | 110 VERNON ST |

**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **1025867781**

| | |
|---|---|
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-420-2592 |
| Contact Fax: | 831-469-1958 |
| Contact Email: | FROCHA@SCMTD.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 110 VERNON STREET |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner Name: | SANTA CRUZ METRO TRANSIT DIST |
| Owner Type: | Other |
| Operator Name: | FREDDY ROCHA |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |





**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **1025867781**

| | |
|---|---|
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20190729 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | FREDDY ROCHA |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 110 VERNON ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-2592 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SANTA CRUZ METRO TRANSIT DIST |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 138 GOLF CLUB DR |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner/Operator Telephone: | 831-420-2592 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20080603 |
| Handler Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | Not reported |
| Recognized Trader Exporter: | Not reported |
| Spent Lead Acid Battery Importer: | Not reported |
| Spent Lead Acid Battery Exporter: | Not reported |
| Current Record: | Yes |

**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **1025867781**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 485999
NAICS Description: ALL OTHER TRANSIT AND GROUND PASSENGER TRANSPORTATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**F21 SE < 1/8 0.078 mi. 410 ft.** **SANTA CRUZ METROPOLITAN TRANSIT DISTRICT** **CPS-SLIC** **S113152852**
**920 PACIFIC AVE** **HAZNET** **N/A**
**SANTA CRUZ, CA 95060** **CERS**
**HWTS**

**Site 5 of 6 in cluster F**

**Relative: Lower**
**Actual: 8 ft.**

CPS-SLIC:
Name: PACIFIC STATION
Address: 920 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status: Open - Site Assessment**
Status Date: 12/12/2014
Global Id: T10000006376
Lead Agency: SANTA CRUZ COUNTY
Lead Agency Case Number: RO0000346
Latitude: 36.9708804961562
Longitude: -122.024859373016
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: SANTA CRUZ COUNTY
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: Arsenic, Copper, Lead, Mercury (elemental), Nickel, Other Metal, Silver, Benzene, Diesel, Polynuclear aromatic hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating
Site History: 12/12/2014. A Phase I/II ESA has been submitted and reviewed that indicates on-site contamination is present in soil, soil vapor, and groundwater. Consultant recommends development of a delineation work plan, a Human Health Risk Assessment, and remediation strategies. County will issue a letter conditionally concurring with these recommendations.

Click here to access the California GeoTracker records for this facility:

HAZNET:
Name: SANTA CRUZ METROPOLITAN TRANSIT DISTRICT
Address: 920 PACIFIC AVE
Address 2: Not reported





**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **S113152852**

City,State,Zip: SANTA CRUZ, CA 950604455
Contact: HALLE EVANS
Telephone: 8314266080
Mailing Name: Not reported
Mailing Address: 110 VERNON STREET

Year: 2012
Gepaid: CAL000333253
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.44265

Year: 2010
Gepaid: CAL000333253
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 10.3416

Year: 2009
Gepaid: CAL000333253
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 13.1355

Year: 2008
Gepaid: CAL000333253
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 4.6287

Additional Info:
Year: 2012
Gen EPA ID: CAL000333253

Shipment Date: 20121009
Creation Date: 11/28/2012 22:15:41
Receipt Date: 20121010
Manifest ID: 010023633JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported

**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **S113152852**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 6.44265
Waste Quantity: 1545
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAL000333253

Shipment Date: 20090908
Creation Date: 10/6/2009 18:30:28
Receipt Date: 20090909
Manifest ID: 004002894JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons: 13.1355
Waste Quantity: 3150
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAL000333253

Shipment Date: 20100921
Creation Date: 12/16/2010 18:30:26
Receipt Date: 20100922
Manifest ID: 006400250JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported





**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **S113152852**

Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons: 10.3416
Waste Quantity: 2480
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAL000333253

Shipment Date: 20081007
Creation Date: 11/17/2008 18:30:32
Receipt Date: 20081007
Manifest ID: 004474489JJK
Trans EPA ID: CAD982413262
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980887418
Trans Name: EVERGREEN OIL INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons: 4.6287
Waste Quantity: 1110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: PACIFIC STATION
Address: 920 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 275431
CERS ID: T10000006376
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN GERBRANDT - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 OCEAN STREET, SUITE 312
Affiliation City: SANTA CRUZ
Affiliation State: CA

**SANTA CRUZ METROPOLITAN TRANSIT DISTRICT (Continued)** **S113152852**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:

| | |
|---|---|
| Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Address: | 920 PACIFIC AVE |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950604455 |
| EPA ID: | CAL000333253 |
| Inactive Date: | Not reported |
| Create Date: | 06/03/2008 |
| Last Act Date: | 07/10/2020 |
| Mailing Name: | Not reported |
| Mailing Address: | 110 VERNON STREET |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Owner Name: | SANTA CRUZ METRO TRANSIT DIST |
| Owner Address: | 138 GOLF CLUB DR |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact Name: | FREDDY ROCHA |
| Contact Address: | 110 VERNON ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000333253 |
| Create Date: | 2011-04-05 10:18:11.997 |
| NAICS Code: | 485999 |
| NAICS Description: | All Other Transit and Ground Passenger Transportation |
| Issued EPA ID Date: | 2008-06-03 14:56:09.17300 |
| Inactive Date: | Not reported |
| Facility Name: | SANTA CRUZ METROPOLITAN TRANSIT DISTRICT |
| Facility Address: | 920 PACIFIC AVE |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 950604455 |

---

**D22 WNW < 1/8 0.081 mi. 426 ft.** **MURPHY WILLIAMS BK & THOMPSON** **EDR Hist Auto** **1020867036**
**605 CENTER ST** **N/A**
**SANTA CRUZ, CA 95060**

**Site 4 of 4 in cluster D**

**Relative: Higher** EDR Hist Auto

**Actual: 19 ft.**

| Year: | Name: | Type: |
|---|---|---|
| 1990 | MURPHY WILLIAMS BK & THOMPSON | Legal Services |
| 1991 | MURPHY WILLIAMS BK & THOMPSON | Legal Services |





**E23 North < 1/8 0.084 mi. 444 ft.** **PACIFIC THAI SANTA CRUZ** **RCRA NonGen / NLR** **1026481794**
**1319 PACIFIC AVE** **CAC003087810**
**SANTA CRUZ, CA 95060**

**Site 2 of 2 in cluster E**

**Relative: Higher**

**Actual: 14 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20201011 |
| Handler Name: | PACIFIC THAI SANTA CRUZ |
| Handler Address: | 1319 PACIFIC AVE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003087810 |
| Contact Name: | SAM KURITA |
| Contact Address: | 1319 PACIFIC AVE |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-420-1700 |
| Contact Fax: | 831-420-1771 |
| Contact Email: | PACIFICTHAISC@GMAIL.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 1319 PACIFIC AVE |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | PACIFIC THAI SANTA CRUZ |
| Owner Type: | Other |
| Operator Name: | SAM KURITA |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |

**PACIFIC THAI SANTA CRUZ (Continued)** **1026481794**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20201026 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PACIFIC THAI SANTA CRUZ |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1319 PACIFIC AVE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-1700 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | SAM KURITA |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1319 PACIFIC AVE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-1700 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |





**PACIFIC THAI SANTA CRUZ (Continued)** **1026481794**

Historic Generators:

| | |
|---|---|
| Receive Date: | 20201011 |
| Handler Name: PACIFIC THAI SANTA CRUZ | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 722511 |
| NAICS Description: | FULL-SERVICE RESTAURANTS |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**G24** **MOBO SUSHI CORP** **RCRA NonGen / NLR** **1026161118**
**SSE** **901 PACIFIC AVENUE** **CAC003061098**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.099 mi.**
**521 ft.** **Site 1 of 3 in cluster G**

**Relative:**
**Lower**

**Actual:**
**10 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20200323 |
| Handler Name: MOBO SUSHI CORP | |
| Handler Address: | 901 PACIFIC AVENUE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003061098 |
| Contact Name: | DARI VOGEL |
| Contact Address: | 901 PACIFIC AVENUE |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-234-6003 |
| Contact Fax: | Not reported |
| Contact Email: | ROSAMARTINEZ@ALLIANCE-ENVIRO.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 901 PACIFIC AVENUE |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | DARI VOGEL |

**MOBO SUSHI CORP (Continued)** **1026161118**

| | |
|---|---|
| Owner Type: | Other |
| Operator Name: | DARI VOGEL |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20200408 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |





**MOBO SUSHI CORP (Continued)** **1026161118**

| | |
|---|---|
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | DARI VOGEL |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 901 PACIFIC AVENUE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-234-6003 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | DARI VOGEL |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 901 PACIFIC AVENUE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-234-6003 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20200323 |
| Handler Name: MOBO SUSHI CORP | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**G25 SSE < 1/8 0.099 mi. 521 ft.** **ANDY'S AUTO SUPPLY**
**901 PACIFIC AVE**
**SANTA CRUZ, CA 95060**
**Site 2 of 3 in cluster G**

**RCRA NonGen / NLR** **1025878012**
**CAL912264983**

**Relative: Lower**
**Actual: 10 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 19910814 |
| Handler Name: | ANDY'S AUTO SUPPLY | |
| Handler Address: | | 901 PACIFIC AVE |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060-0000 |
| EPA ID: | | CAL912264983 |
| Contact Name: | | MICHAEL MEKIS |
| Contact Address: | | 901 PACIFIC AVE |
| Contact City,State,Zip: | | SANTA CRUZ, CA 95060 |
| Contact Telephone: | | 831-423-8400 |
| Contact Fax: | | 831-423-2537 |
| Contact Email: | | ANDYSAUTO@CRUZIO.COM |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 901 PACIFIC AVE |
| Mailing City,State,Zip: | | SANTA CRUZ, CA 95060-4429 |
| Owner Name: | | MEKIS MICHAEL |
| Owner Type: | | Other |
| Operator Name: | | MICHAEL MEKIS |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | Yes |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | Yes |
| Universal Waste Destination Facility: | | Yes |
| Federal Universal Waste: | | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | | Not reported |
| Active Site State-Reg Handler: | | --- |
| Federal Facility Indicator: | | Not reported |
| Hazardous Secondary Material Indicator: | | N |
| Sub-Part K Indicator: | | Not reported |
| Commercial TSD Indicator: | | No |
| Treatment Storage and Disposal Type: | | Not reported |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| Permit Renewals Workload Universe: | | Not reported |





**ANDY'S AUTO SUPPLY (Continued)** **1025878012**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20190628 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MEKIS MICHAEL |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 901 PACIFIC AVE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-4429 |
| Owner/Operator Telephone: | 831-423-8400 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MICHAEL MEKIS |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 901 PACIFIC AVE |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-8400 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**ANDY'S AUTO SUPPLY (Continued)** **1025878012**

Historic Generators:
Receive Date: 19910814
Handler Name: ANDY'S AUTO SUPPLY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 4211
NAICS Description: MOTOR VEHICLE AND MOTOR VEHICLE PARTS AND SUPPLIES WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**G26 SSE < 1/8 0.099 mi. 521 ft.** **ANDY'S AUTO SUPPLY** **CUPA Listings** **S103950207**
**901 PACIFIC AVE** **N/A**
**SANTA CRUZ, CA 95060**

**Site 3 of 3 in cluster G**

**Relative: Lower**
**Actual: 10 ft.**

CUPA SANTA CRUZ:
Name: ANDY'S AUTO SUPPLY
Address: 901 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002660
Cross Street: MAPLE ST
Description: HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

Name: ANDY'S AUTO SUPPLY
Address: 901 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002660
Cross Street: MAPLE ST
Description: HMMP SHORT FORM BASE FEE

Name: ANDY'S AUTO SUPPLY
Address: 901 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002660
Cross Street: MAPLE ST
Description: HMMP SHORT FORM 2 HAZ CLASSES





**H27 NE < 1/8 0.101 mi. 531 ft.** **FRONT STREET GARAGE** **LUST** **S103891062**
**601 FRONT STREET** **Cortese** **N/A**
**SANTA CRUZ, CA 95060** **CERS**

**Site 1 of 7 in cluster H**

**Relative: Lower**
**Actual: 10 ft.**

LUST:
Name: FRONT STREET GARAGE
Address: 601 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700167
Global Id: T0608700167
Latitude: 36.9733511236533
Longitude: -122.024787068367
Status: Completed - Case Closed
Status Date: 03/11/2004
Case Worker: TAS
RB Case Number: 3048
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: RO0000076
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0608700167
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608700167
Action Type: RESPONSE
Date: 07/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700167

**FRONT STREET GARAGE (Continued)** **S103891062**

Action Type: ENFORCEMENT
Date: 03/11/2004
Action: Staff Letter

Global Id: T0608700167
Action Type: Other
Date: 04/21/1999
Action: Leak Stopped

Global Id: T0608700167
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: Other
Date: 04/14/1999
Action: Leak Discovery

Global Id: T0608700167
Action Type: RESPONSE
Date: 02/07/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: ENFORCEMENT
Date: 02/07/2000
Action: Staff Letter

Global Id: T0608700167
Action Type: Other
Date: 05/10/1999
Action: Leak Reported

Global Id: T0608700167
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 07/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700167
Action Type: RESPONSE
Date: 01/20/2004





**FRONT STREET GARAGE (Continued)** **S103891062**

Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700167
Status: Open - Case Begin Date
Status Date: 04/14/1999

Global Id: T0608700167
Status: Open - Site Assessment
Status Date: 07/10/2000

Global Id: T0608700167
Status: Open - Verification Monitoring
Status Date: 02/07/2001

Global Id: T0608700167
Status: Completed - Case Closed
Status Date: 03/11/2004

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700167
Status: Post remedial action monitoring
Case Number: 3048
Local Case Num: Not reported
Case Type: O
Substance: Motor Oil
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Leak Source: Tank
Leak Cause: Corrosion
How Stopped: Not reported
How Discovered: OM
Release Date: 05/10/1999
Discovered Date: 4/14/99
Enter Date: 06/14/1999
Stop Date: 4/21/99
Review Date: 10/16/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: THOMAS SHARP
RP Address: 809 CENTER ST
Contact: Not reported
Cross Street: SOQUEL AVE
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 07/10/2000

**FRONT STREET GARAGE (Continued)** **S103891062**

Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 02/07/2001
Pilot Program: UST
Interim Action: 0
Funding: 0
MTBE Class: C
Max MTBE Grnd Wtr: 1800
Max MTBE Soil: Not reported
Max MTBE Data: 07/01/2002
MTBE Tested: YES
Lat/Long: 36.9732154 / -122.0246588
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 10
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: ABANDONED UNDERGROUND TANKS DISCOVERED DURING PROPERTY DEVELOPMENT. THE TWO UST'S CONTAINED OIL AND SLUDGE AND WERE BACKFILLED WITH SAND/DEBRIS. PREVIOUS OWNER: FRANCIS BONNE, TRUSTEE 1890 ARROYO SECA DR. SAN JOSE CA 95125. 2 1/2 INCHES OF FREE PRODUCT

CORTESE:
Name: FRONT STREET GARAGE
Address: 601 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700167
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open





**FRONT STREET GARAGE (Continued)** **S103891062**

CERS:
Name: FRONT STREET GARAGE
Address: 601 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 249814
CERS ID: T0608700167
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

**F28** **HAROLD & GRACE SUNDEAN** **SWEEPS UST** **S106927083**
**ESE** **418 FRONT ST** **N/A**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.105 mi.**
**553 ft.** **Site 6 of 6 in cluster F**

**Relative:**
**Lower**
**Actual:**
**7 ft.**

SWEEPS UST:
Name: HAROLD & GRACE SUNDEAN
Address: 418 FRONT ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 68529
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-068529-000001
Tank Status: Not reported
Capacity: 750
Active Date: Not reported
Tank Use: Not reported
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

**I29 West < 1/8 0.110 mi. 581 ft.** **PESTANA PROPERTIES** **RCRA NonGen / NLR** **1026709429**
**316 LINCOLN STREET** **CAC003097509**
**SANTA CRUZ, CA 95060**

**Site 1 of 2 in cluster I**

**Relative: Higher**
**Actual: 20 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20201216 |
| Handler Name: | PESTANA PROPERTIES |
| Handler Address: | 316 LINCOLN STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003097509 |
| Contact Name: | PESTANA PROPERTIES |
| Contact Address: | 316 LINCOLN STREET |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 408-954-1000 |
| Contact Fax: | 510-651-7702 |
| Contact Email: | MICKIEL@PWSEI.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 316 LINCOLN STREET |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | PESTANA PROPERTIES |
| Owner Type: | Other |
| Operator Name: | PESTANA PROPERTIES |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |





**PESTANA PROPERTIES (Continued)** **1026709429**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20201218 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PESTANA PROPERTIES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 LINCOLN STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 408-954-1000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | PESTANA PROPERTIES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 LINCOLN STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 408-954-1000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**PESTANA PROPERTIES (Continued)** **1026709429**

Historic Generators:
- Receive Date: 20201216
- Handler Name: PESTANA PROPERTIES
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 237990
- NAICS Description: OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

---

**I30 West < 1/8 0.110 mi. 581 ft.** **PESTANA PROPERTIES** **RCRA NonGen / NLR** **1026716932**
**316 LINCOLN STREET** **CAC003105431**
**SANTA CRUZ, CA 95060**

**Site 2 of 2 in cluster I**

**Relative: Higher**
**Actual: 20 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 20210212
- Handler Name: PESTANA PROPERTIES
- Handler Address: 316 LINCOLN STREET
- Handler City,State,Zip: SANTA CRUZ, CA 95060
- EPA ID: CAC003105431
- Contact Name: PESTANA PROPERTIES
- Contact Address: 316 LINCOLN STREET
- Contact City,State,Zip: SANTA CRUZ, CA 95060
- Contact Telephone: 408-954-1000
- Contact Fax: 510-651-7702
- Contact Email: MICKIEL@PWSEI.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Not reported
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 316 LINCOLN STREET
- Mailing City,State,Zip: SANTA CRUZ, CA 95060
- Owner Name: PESTANA PROPERTIES





**PESTANA PROPERTIES (Continued)** **1026716932**

- Owner Type: Other
- Operator Name: PESTANA PROPERTIES
- Operator Type: Other
- Short-Term Generator Activity: No
- Importer Activity: No
- Mixed Waste Generator: No
- Transporter Activity: No
- Transfer Facility Activity: No
- Recycler Activity with Storage: No
- Small Quantity On-Site Burner Exemption: No
- Smelting Melting and Refining Furnace Exemption: No
- Underground Injection Control: No
- Off-Site Waste Receipt: No
- Universal Waste Indicator: No
- Universal Waste Destination Facility: No
- Federal Universal Waste: No
- Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site Converter Treatment storage and Disposal Facility: Not reported
- Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site State-Reg Handler: ---
- Federal Facility Indicator: Not reported
- Hazardous Secondary Material Indicator: N
- Sub-Part K Indicator: Not reported
- Commercial TSD Indicator: No
- Treatment Storage and Disposal Type: Not reported
- 2018 GPRA Permit Baseline: Not on the Baseline
- 2018 GPRA Renewals Baseline: Not on the Baseline
- Permit Renewals Workload Universe: Not reported
- Permit Workload Universe: Not reported
- Permit Progress Universe: Not reported
- Post-Closure Workload Universe: Not reported
- Closure Workload Universe: Not reported
- 202 GPRA Corrective Action Baseline: No
- Corrective Action Workload Universe: No
- Subject to Corrective Action Universe: No
- Non-TSDFs Where RCRA CA has Been Imposed Universe: No
- TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
- TSDFs Only Subject to CA under Discretionary Auth Universe: No
- Corrective Action Priority Ranking: No NCAPS ranking
- Environmental Control Indicator: No
- Institutional Control Indicator: No
- Human Exposure Controls Indicator: N/A
- Groundwater Controls Indicator: N/A
- Operating TSDF Universe: Not reported
- Full Enforcement Universe: Not reported
- Significant Non-Complier Universe: No
- Unaddressed Significant Non-Complier Universe: No
- Addressed Significant Non-Complier Universe: No
- Significant Non-Complier With a Compliance Schedule Universe: No
- Financial Assurance Required: Not reported
- Handler Date of Last Change: 20210226
- Recognized Trader-Importer: No
- Recognized Trader-Exporter: No
- Importer of Spent Lead Acid Batteries: No
- Exporter of Spent Lead Acid Batteries: No
- Recycler Activity Without Storage: No
- Manifest Broker: No

**PESTANA PROPERTIES (Continued)** **1026716932**

Sub-Part P Indicator: No

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | PESTANA PROPERTIES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 LINCOLN STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 408-954-1000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PESTANA PROPERTIES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 316 LINCOLN STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 408-954-1000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20210212 |
| Handler Name: PESTANA PROPERTIES | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 237130 |
| NAICS Description: | POWER AND COMMUNICATION LINE AND RELATED STRUCTURES CONSTRUCTION |

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found





**J31** **CITY OF SANTA CRUZ FIRE DEPT** **RCRA NonGen / NLR** **1024800679**
**NW** **711 CENTER ST** **CAL000221602**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.110 mi.**
**582 ft.** **Site 1 of 6 in cluster J**

**Relative:**
**Higher**

**Actual:**
**19 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20001129 |
| Handler Name: | CITY OF SANTA CRUZ FIRE DEPT |
| Handler Address: | 711 CENTER ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| EPA ID: | CAL000221602 |
| Contact Name: | LILIAN LANE |
| Contact Address: | 1125 RIVER ST |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-420-5509 |
| Contact Fax: | 831-420-5501 |
| Contact Email: | LLANE@CITYOFSANTACRUZ.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 1125 RIVER ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner Name: | CITY OF SANTA CRUZ |
| Owner Type: | Other |
| Operator Name: | LILIAN LANE |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |

**CITY OF SANTA CRUZ FIRE DEPT (Continued)** **1024800679**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF SANTA CRUZ |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1125 RIVER ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-3826 |
| Owner/Operator Telephone: | 831-420-5509 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LILIAN LANE |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1125 RIVER ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-5509 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |





**CITY OF SANTA CRUZ FIRE DEPT (Continued)** **1024800679**

Historic Generators:

| | |
|---|---|
| Receive Date: | 20001129 |
| Handler Name: | CITY OF SANTA CRUZ FIRE DEPT |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 92219 |
| NAICS Description: | OTHER JUSTICE, PUBLIC ORDER, AND SAFETY ACTIVITIES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**J32** **PACIFIC BELL NF101** **UST** **U004352037**
**NW** **709 CENTER ST** **N/A**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.111 mi.**
**588 ft.** **Site 2 of 6 in cluster J**

**Relative:**
**Higher**
**Actual:**
**20 ft.**

UST:

| | |
|---|---|
| Name: | PACIFIC BELL NF101 |
| Address: | 709 CENTER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | FA0001736 |
| Permitting Agency: | SANTA CRUZ COUNTY |
| CERSID: | Not reported |
| Latitude: | 36.974549 |
| Longitude: | -122.027489 |

---

**J33** **AT&T CALIFORNIA - NF101** **UST** **U004351029**
**NW** **709 CENTER ST** **N/A**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.111 mi.**
**588 ft.** **Site 3 of 6 in cluster J**

**Relative:**
**Higher**
**Actual:**
**20 ft.**

UST:

| | |
|---|---|
| Name: | AT&T CALIFORNIA - NF101 |
| Address: | 709 CENTER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | Not reported |
| Permitting Agency: | Santa Cruz County Environmental Health |
| CERSID: | Not reported |

**AT&T CALIFORNIA - NF101 (Continued)** **U004351029**

Latitude: 36.9732
Longitude: -122.02884

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: Not reported
Permitting Agency: Santa Cruz County Environmental Health
CERSID: 10207090
Latitude: 36.9732
Longitude: -122.02884

---

**J34 NW < 1/8 0.111 mi. 588 ft.** **Site 4 of 6 in cluster J**

**Relative: Higher**

**Actual: 20 ft.**

**PACIFIC BELL**
**709 CENTER STREET**
**SANTA CRUZ, CA 95060**

**RCRA-LQG 1000251387**
**LUST CAT080022361**
**CERS HAZ WASTE**
**SWEEPS UST**
**HIST UST**
**CERS TANKS**
**CA FID UST**
**FINDS**
**ECHO**
**Cortese**
**CUPA Listings**
**HIST CORTESE**
**CERS**

RCRA-LQG:

| | |
|---|---|
| Date Form Received by Agency: | 19810119 |
| Handler Name: | PACIFIC BELL |
| Handler Address: | 709 CENTER STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAT080022361 |
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | 709 CENTER STREET |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 408-491-6029 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Large Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | 2 NORTH SECOND ST ROOM 1125 |
| Mailing City,State,Zip: | SAN JOSE, CA 95113 |
| Owner Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | Yes |





**PACIFIC BELL (Continued)** **1000251387**

| | |
|---|---|
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Legal Status: | Private |

**PACIFIC BELL (Continued)** **1000251387**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19810119
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: PACIFIC BELL
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700036
Global Id: T0608700036
Latitude: 36.973202
Longitude: -122.028833
Status: Completed - Case Closed
Status Date: 02/17/1995
Case Worker: Not reported
RB Case Number: 2202
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:





**PACIFIC BELL (Continued)** **1000251387**

Global Id: T0608700036
Action Type: Other
Date: 06/20/1991
Action: Leak Discovery

Global Id: T0608700036
Action Type: ENFORCEMENT
Date: 04/26/1993
Action: Closure/No Further Action Letter

Global Id: T0608700036
Action Type: Other
Date: 08/19/1992
Action: Leak Reported

LUST:
Global Id: T0608700036
Status: Open - Case Begin Date
Status Date: 06/20/1991

Global Id: T0608700036
Status: Open - Verification Monitoring
Status Date: 05/03/1993

Global Id: T0608700036
Status: Completed - Case Closed
Status Date: 02/17/1995

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700036
Status: Case Closed
Case Number: 2202
Local Case Num: Not reported
Case Type: O
Substance: Diesel
Quantity: Not reported
Abatement Method: U
Leak Source: Tank
Leak Cause: Spill
How Stopped: Not reported
How Discovered: OM
Release Date: 08/19/1992
Discovered Date: 6/20/91
Enter Date: 08/20/1992
Stop Date: Not reported
Review Date: 02/16/1995
Enforce Date: Not reported
Close Date: 2/17/95
Enforcement Type: Not reported
Responsible Party: JACK KING
RP Address: 340 PAJARO ST
Contact: Not reported

**PACIFIC BELL (Continued)** **1000251387**

Cross Street: WALNUT
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 05/03/1993
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 36.9731154 / -122.028515
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: **** CASE CLOSED ****

CERS HAZ WASTE:
Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 435006
CERS ID: 10207090
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: PACIFIC BELL
Address: 709 CENTER ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 57740
Number: Not reported
Board Of Equalization: 44-027152
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported





**PACIFIC BELL (Continued)** **1000251387**

Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-057740-000001
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Name: PACIFIC BELL
Address: 709 CENTER ST
City: SANTA CRUZ
Status: Active
Comp Number: 57740
Number: 1
Board Of Equalization: 44-027152
Referral Date: 07-17-92
Action Date: 09-29-92
Created Date: 12-31-88
Owner Tank Id: 2
SWRCB Tank Id: 44-000-057740-000002
Tank Status: A
Capacity: 8000
Active Date: 05-12-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:
Name: PACIFIC BELL (NF-101)
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020C4A
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C4A.pdf
Region: STATE
Facility ID: 00000057740
Facility Type: Other
Other Type: SIC 4800
Contact Name: E.J. KOEHLER
Telephone: 4155426758
Owner Name: PACIFIC BELL
Owner Address: 370 THIRD STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94107
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

**PACIFIC BELL (Continued)** **1000251387**

Click here for Geo Tracker PDF:

CERS TANKS:
Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 435006
CERS ID: 10207090
CERS Description: Underground Storage Tank

CA FID UST:
Facility ID: 44000130
Regulated By: UTNKA
Regulated ID: 00057740
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4087548444
Mail To: Not reported
Mailing Address: 2600 CAMINO RAMON
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA CRUZ 95060
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:
Registry ID: 110002950575

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
Registry ID: 110055788571

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:





**PACIFIC BELL (Continued)** **1000251387**

Envid: 1000251387
Registry ID: 110002950575
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002950575
Name: PACIFIC BELL
Address: 709 CENTER STREET
City,State,Zip: SANTA CRUZ, CA 95060

CORTESE:
Name: PACIFIC BELL
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700036
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CUPA SANTA CRUZ:
Name: T-MOBILE WEST CORPORATION SF05725A
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006700
Cross Street: WALNUT AVE
Description: HMMP SHORT FORM BASE FEE

Name: T-MOBILE WEST CORPORATION SF05725A
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006700
Cross Street: WALNUT AVE
Description: HMMP SHORT FORM 1 HAZ CLASS

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: HMMP STANDARD FORM QR 2

Name: AT&T CALIFORNIA - NF101

**PACIFIC BELL (Continued)** **1000251387**

Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: HMMP STANDARD FORM QR 4

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: HMMP STANDARD FORM FILING FEE

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: UNDERGROUND STORAGE TANK PROGRAM

Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0001736
Cross Street: WALNUT ST
Description: STATE UST SURCHARGE

HIST CORTESE:
edr_fname: PACIFIC BELL
edr_fadd1: 709 CENTER
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 2202

CERS:
Name: AT&T CALIFORNIA - NF101
Address: 709 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 435006
CERS ID: 10207090
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Generate waste at an intermittent basis.





**PACIFIC BELL (Continued)** **1000251387**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Access to facility provided by Rossan Chua, AT&T EH&S. Large facility toured, 1st floor to 4th, including roof.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to witness the monitor certification test done by Tait. All sensors passed. 5 total. Suction system with a generator on the roof of the building. Transition box on the ground just above the UST. Generator has a 300 gallon base tank. Spill bucket passed. Audio/visual alarm worked on the monitor. Probe was tested, only overfill prevention device. Passed. D. O. book was up to date. Hazardous waste manifests are kept up to date. Training is provided yearly. No violations were observed here today.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On today to witness the annual monitor cert for the UST at this site. No violations were observed during this inspection. All sensors passed. Spill bucket passed. Batteries were stored well and have secondary containment. Training is kept up to date.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SB989 Repair Test scheduled Remainder of facility to be inspected on 01/22/2021 Access to tanks granted by Tait Environmental Crew

**PACIFIC BELL (Continued)** **1000251387**

Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submittal 1/9/2019. Monitoring Certification done this date by Tait . All tests passed.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP





**PACIFIC BELL (Continued)** **1000251387**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 1/25/2017. OK Monitoring Cert by Tait Environmental. No Violations at the time of inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Monitoring Cert by Tait Environmental.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

**PACIFIC BELL (Continued)** **1000251387**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: All functions normal.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Back-up generator for large telecom facility.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No





**PACIFIC BELL (Continued)** **1000251387**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 435006
Facility Name: AT&T California - NF101
Env Int Type Code: HMBP
Program ID: 10207090
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.973200
Longitude: -122.028840

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Peter Burnell, Sigma Consultants, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Property Owner Name
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (800) 566-9347,

Affiliation Type Desc: Environmental Contact
Entity Name: AT&T EH&S Hotline - Option #1
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: ,

**PACIFIC BELL (Continued)** **1000251387**

Affiliation Type Desc: UST Tank Operator
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (800) 566-9347,

Affiliation Type Desc: Legal Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712,

Affiliation Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported





**PACIFIC BELL (Continued)** **1000251387**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: AT&T California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 566-9347,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Sarah Bullock
Entity Title: Authorized Agent to AT&T
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 566-9347,

Affiliation Type Desc: UST Tank Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (800) 566-9347,

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**K35** **877 CEDAR STREET OWNERS ASSOCIATION** **RCRA NonGen / NLR** **1025868655**
**NNW** **877 CEDAR ST** **CAL000378205**
**< 1/8** **SANTA CRUZ, CA 95060**
**0.113 mi.**
**595 ft.** **Site 1 of 4 in cluster K**

**Relative:**
**Higher**

**Actual:**
**17 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20120917
Handler Name: 877 CEDAR STREET OWNERS ASSOCIATION
Handler Address: 877 CEDAR ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000378205
Contact Name: NANCY OGLE
Contact Address: 120 WESTGATE DR
Contact City,State,Zip: WATSONVILLE, CA 95076
Contact Telephone: 831-334-9159
Contact Fax: 831-722-1159
Contact Email: NOGLE@ECOACT.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

**877 CEDAR STREET OWNERS ASSOCIATION (Continued)** **1025868655**

| | |
|---|---|
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 877 CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | 877 CEDAR STREET OWNERS ASSOCIATION |
| Owner Type: | Other |
| Operator Name: | NANCY OGLE |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |





**877 CEDAR STREET OWNERS ASSOCIATION (Continued)** **1025868655**

| | |
|---|---|
| Handler Date of Last Change: | 20190927 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | 877 CEDAR STREET OWNERS ASSOCIATION |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 877 CEDAR ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-334-9159 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NANCY OGLE |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 120 WESTGATE DR |
| Owner/Operator City,State,Zip: | WATSONVILLE, CA 95076 |
| Owner/Operator Telephone: | 831-334-9159 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20120917 |
| Handler Name: | 877 CEDAR STREET OWNERS ASSOCIATION |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | Not reported |
| Recognized Trader Exporter: | Not reported |
| Spent Lead Acid Battery Importer: | Not reported |
| Spent Lead Acid Battery Exporter: | Not reported |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

**877 CEDAR STREET OWNERS ASSOCIATION (Continued)** **1025868655**

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**K36 NNW < 1/8 0.113 mi. 595 ft.** **THE INTERNET STORE INC. DBA: CRUZIO** **CUPA Listings** **S111293308**
**877 CEDAR ST** **N/A**
**SANTA CRUZ, CA 95060**

**Site 2 of 4 in cluster K**

**Relative: Higher**
**Actual: 17 ft.**

CUPA SANTA CRUZ:
Name: THE INTERNET STORE INC. DBA: CRUZIO
Address: 877 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006958
Cross Street: CHURCH ST
Description: HMMP STANDARD FORM FILING FEE

Name: THE INTERNET STORE INC. DBA: CRUZIO
Address: 877 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006958
Cross Street: CHURCH ST
Description: HMMP STANDARD FORM QR 2

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**H37 NE 1/8-1/4 0.127 mi. 670 ft.** **FORMER KERRICKS LAUNDRY** **CPS-SLIC** **S102827130**
**600 FRONT STREET** **CERS** **N/A**
**SANTA CRUZ, CA 95060**

**Site 2 of 7 in cluster H**

**Relative: Lower**
**Actual: 9 ft.**

CPS-SLIC:
Name: FORMER KERRICKS LAUNDRY
Address: 600 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status:** **Open - Site Assessment**
Status Date: 12/21/2010
Global Id: T10000002689
Lead Agency: SANTA CRUZ COUNTY
Lead Agency Case Number: RO0000283
Latitude: 36.973818
Longitude: -122.024245
Case Type: Cleanup Program Site
Case Worker: JBG
Local Agency: SANTA CRUZ COUNTY
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: Dichloroethane (DCA), Dichloroethene (DCE), Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Benzene, Total Petroleum Hydrocarbons (TPH)
Site History: Soil and groundwater investigation indicates chemical impacts to both soil and groundwater. RP is required to assess the impact and provide





**FORMER KERRICKS LAUNDRY (Continued)** **S102827130**

a work plan, if needed, to characterize the impacts. SEC, 6/5/2014 Initial passive soil vapor study provided preliminary indication of contamination distribution. Indoor Air Assessment underway. Consultant is performing soil and groundwater investigation. Scott Carson, 12/21/2010

Click here to access the California GeoTracker records for this facility:

CERS:
Name: FORMER KERRICKS LAUNDRY
Address: 600 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 216537
CERS ID: T10000002689
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**H38 NE 1/8-1/4 0.127 mi. 670 ft.** **SAN LORENZO PARK PLAZA** **LUST** **S105790924**
**600-720 FRONT ST** **N/A**
**SANTA CRUZ, CA**

**Site 3 of 7 in cluster H**

**Relative: Lower**
**Actual: 9 ft.**

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608733661
Status: Preliminary site assessment underway
Case Number: 3475
Local Case Num: Not reported
Case Type: O
Substance: 2
Quantity: Not reported
Abatement Method: Not reported
Leak Source: UNK
Leak Cause: UNK
How Stopped: Other Means
How Discovered: OM
Release Date: 04/29/2002
Discovered Date: 4/29/02
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET

**SAN LORENZO PARK PLAZA (Continued)** **S105790924**

Responsible Party: LORI THERIAULT
RP Address: 631 HOWARD ST
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 12/17/02
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LUST
Interim Action: Not reported
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 0 / 0
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Distance From Well: 0
Assigned Name: Not reported
Summary: GEOPROBE AND GEOPHYSICAL SURVEY COMPLETED. CONTAMINANTS FROM SEVERAL SOURCES FROM OLD USTS THROUGHOUT PROPERTY (HEATING OIL, TPH-GAS, TPH-DIESEL).

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**H39 NE 1/8-1/4 0.127 mi. 670 ft.** **CVS PHARMACY #9331**
**600 FRONT ST**
**SANTA CRUZ, CA 95060**
**Site 4 of 7 in cluster H**

**Relative: Lower**
**Actual: 9 ft.**

**CERS HAZ WASTE** **S120050123**
**CUPA Listings** **N/A**
**CERS**

CERS HAZ WASTE:
Name: CVS PHARMACY #9331
Address: 600 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 23191
CERS ID: 10207108
CERS Description: Hazardous Waste Generator

Name: CVS PHARMACY #9331
Address: 600 FRONT ST





**CVS PHARMACY #9331 (Continued)** **S120050123**

City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 23191
CERS ID: 10207108
CERS Description: RCRA LQ HW Generator

CUPA SANTA CRUZ:
Name: CVS PHARMACY #9331
Address: 600 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002040
Cross Street: SOQUEL AVENUE
Description: HMMP STANDARD FORM FILING FEE

Name: CVS PHARMACY #9331
Address: 600 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002040
Cross Street: SOQUEL AVENUE
Description: HAZARDOUS WASTE GENERATOR (RCRA-LQG)

CERS:
Name: CVS PHARMACY #9331
Address: 600 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 23191
CERS ID: 10207108
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 23191
Site Name: CVS Pharmacy #9331
Violation Date: 03-07-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/28/2017. OBSERVATION: The hazardous waste container in the Pharmacy has a partially torn label making it hard to read. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately relabel the container and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 23191
Site Name: CVS Pharmacy #9331
Violation Date: 09-09-2014
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

**CVS PHARMACY #9331 (Continued)** **S120050123**

Violation Notes: Returned to compliance on 09/12/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 11/2018. Ok. Facility in substantial compliance at the time of inspection. Thank You.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported





**CVS PHARMACY #9331 (Continued)** **S120050123**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: GERS submitted 11/16/ 2016. OK
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 23191
Site Name: CVS Pharmacy #9331
Site Address: 600 FRONT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-07-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 23191
Site Name: CVS Pharmacy #9331
Site Address: 600 FRONT ST

**CVS PHARMACY #9331 (Continued)** **S120050123**

| | |
|---|---|
| Site City: | SANTA CRUZ |
| Site Zip: | 95060 |
| Enf Action Date: | 09-09-2014 |
| Enf Action Type: | Notice of Violation (Unified Program) |
| Enf Action Description: | Notice of Violation Issued by the Inspector at the Time of Inspection |
| Enf Action Notes: | Not reported |
| Enf Action Division: | Santa Cruz County Environmental Health |
| Enf Action Program: | HWLQG |
| Enf Action Source: | CERS, |

Coordinates:

| | |
|---|---|
| Site ID: | 23191 |
| Facility Name: | CVS Pharmacy #9331 |
| Env Int Type Code: | HWG |
| Program ID: | 10207108 |
| Coord Name: | Not reported |
| Ref Point Type Desc: | Center of a facility or station., |
| Latitude: | 36.973820 |
| Longitude: | -122.024250 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Erin Baltazar, Agent for Longs Drug Stores California, L.L.C. |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Verisk 3E, Regulatory Services/CVS |
| Entity Title: | Not reported |
| Affiliation Address: | 3207 Grey Hawk Ct., Ste. 200 |
| Affiliation City: | Carlsbad |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 92010 |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | CVS Health Attn: Dianne E. Durand, Licensing MC1160 |
| Affiliation City: | Woonsocket |
| Affiliation State: | RI |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 02895 |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Longs Drug Stores California, L.L.C. |
| Entity Title: | Not reported |
| Affiliation Address: | One CVS Drive |
| Affiliation City: | Woonsocket |





**CVS PHARMACY #9331 (Continued)** **S120050123**

| | |
|---|---|
| Affiliation State: | RI |
| Affiliation Country: | United States |
| Affiliation Zip: | 02895 |
| Affiliation Phone: | (401) 765-1500, |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | CVS Health |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Santa Cruz County Environmental Health |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Boulevard, Suite 312 |
| Affiliation City: | Santa Cruz |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 454-2022, |
| | |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Erin Baltazar, Agent for Longs Drug Stores California, L.L.C. |
| Entity Title: | Regulatory Compliance Specialist, Verisk 3E |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| | |
| Affiliation Type Desc: | Operator |
| Entity Name: | Longs Drug Stores California, L.L.C. |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (401) 765-1500, |
| | |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | Friend, Friend & Friend |
| Entity Title: | Not reported |
| Affiliation Address: | 501 2nd Street, Ste. 720 |
| Affiliation City: | San Francisco |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 94107 |
| Affiliation Phone: | (415) 546-0696, |

**H40 NE 1/8-1/4 0.127 mi. 670 ft.** | **FRIEND, FRIEND & FRIEND LLC** | **RCRA NonGen / NLR** | **1025831112**
**600 FRONT STREET** | **CAC003010669**
**SANTA CRUZ, CA 95060**

**Site 5 of 7 in cluster H**

**Relative: Lower**
**Actual: 9 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20190417 |
| Handler Name: | FRIEND, FRIEND & FRIEND LLC |
| Handler Address: | 600 FRONT STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003010669 |
| Contact Name: | MICHAEL HALBY |
| Contact Address: | 355 HAYES STREET |
| Contact City,State,Zip: | SAN FRANCISCO, CA 94102 |
| Contact Telephone: | 415-546-0696 |
| Contact Fax: | Not reported |
| Contact Email: | MICHAEL@FRIENDSF.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 355 HAYES STREET |
| Mailing City,State,Zip: | SAN FRANCISCO, CA 94102 |
| Owner Name: | FRIEND, FRIEND & FRIEND LP |
| Owner Type: | Other |
| Operator Name: | MICHAEL HALBY |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |





**FRIEND, FRIEND & FRIEND LLC (Continued)** | **1025831112**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20190626 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MICHAEL HALBY |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 355 HAYES STREET |
| Owner/Operator City,State,Zip: | SAN FRANCISCO, CA 94102 |
| Owner/Operator Telephone: | 415-546-0696 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | FRIEND, FRIEND & FRIEND LP |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 355 HAYES STREET |
| Owner/Operator City,State,Zip: | SAN FRANCISCO, CA 94102 |
| Owner/Operator Telephone: | 415-546-0696 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**FRIEND, FRIEND & FRIEND LLC (Continued)** **1025831112**

Historic Generators:
Receive Date: 20190417
Handler Name: FRIEND, FRIEND & FRIEND LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**H41 NE 1/8-1/4 0.127 mi. 670 ft.** **CVS PHARMACY NO 9331**
**600 FRONT ST**
**SANTA CRUZ, CA 95060**
**Site 6 of 7 in cluster H**

**RCRA-LQG 1016139962**
**FINDS CAR000235424**
**ECHO**

**Relative: Lower**
**Actual: 9 ft.**

RCRA-LQG:
Date Form Received by Agency: 20160830
Handler Name: CVS PHARMACY #9331
Handler Address: 600 FRONT STREET
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAR000235424
Contact Name: NICOLE WILKINSON
Contact Address: CVS DR
Contact City,State,Zip: WOONSOCKET, RI 02895
Contact Telephone: 401-770-7132
Contact Fax: 401-652-1901
Contact Email: NICOLE.WILKINSON@CVSHEALTH.COM
Contact Title: SR. MANAGER, CORPORATE ENVIRONMENTAL
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2015
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: CVS DR
Mailing City,State,Zip: WOONSOCKET, RI 02895
Owner Name: FRIEND, FRIEND & FRIEND





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Owner Type: Private
Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20161104
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported

**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Sub-Part P Indicator: No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P188
Waste Description: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U010
Waste Description: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U059
Waste Description: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U089
Waste Description: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U132
Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U200
Waste Description: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U204
Waste Description: SELENIOUS ACID (OR) SELENIUM DIOXIDE

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Waste Code: U279
Waste Description: U279

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FRIEND, FRIEND & FRIEND
Legal Status: Private
Date Became Current: 19641208
Date Ended Current: Not reported
Owner/Operator Address: 501 2ND STREET SUITE 720
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94107
Owner/Operator Telephone: 415-546-0696
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA LLC
Legal Status: Private
Date Became Current: 20090109
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: FRIEND, FRIEND & FRIEND
Legal Status: Private
Date Became Current: 19641208
Date Ended Current: Not reported
Owner/Operator Address: 501 2ND STREET
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94107
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Legal Status: Private
Date Became Current: 20090109
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA LLC

**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Legal Status: Private
Date Became Current: 20090109
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: FRIEND FRIEND AND FRIEND
Legal Status: Private
Date Became Current: 19641208
Date Ended Current: Not reported
Owner/Operator Address: 501 2ND ST
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94107
Owner/Operator Telephone: 415-546-0696
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140325
Handler Name: CVS PHARMACY #9331
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160830
Handler Name: CVS PHARMACY #9331
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130103
Handler Name: CVS PHARMACY NO 9331
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20160307
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: 20160407
Enforcement Identifier: 601
Date of Enforcement Action: 20160307
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported

**CVS PHARMACY NO 9331 (Continued)** **1016139962**

Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 20140909
Actual Return to Compliance Date: 20140912
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20141009
Enforcement Identifier: 601
Date of Enforcement Action: 20140909
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20160307
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported

**CVS PHARMACY NO 9331 (Continued)** **1016139962**

| | |
|---|---|
| Scheduled Compliance Date: | 20160407 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20170328 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20190124 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 20140909 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 20140912 |
| Scheduled Compliance Date: | 20141009 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

FINDS:
Registry ID: 110055423055

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and





**CVS PHARMACY NO 9331 (Continued)** **1016139962**

corrective action activities required under RCRA.
STATE MASTER
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1016139962 |
| Registry ID: | 110055423055 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110055423055 |
| Name: | CVS PHARMACY NO 9331 |
| Address: | 600 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

---

**H42** **SAN LORENZO PARK PLAZA ( SOUTHERN PLUME)** **LUST** **S106916506**
**NE** **600-601 FRONT ST (COMMINGLED PLUME)** **Cortese** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060** **CERS**
**0.127 mi.**
**670 ft.** **Site 7 of 7 in cluster H**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

LUST:

| | |
|---|---|
| Name: | SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) |
| Address: | 600-601 FRONT ST (COMMINGLED PLUME) |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608733661 |
| Global Id: | T0608733661 |
| Latitude: | 36.9737454084877 |
| Longitude: | -122.024647593498 |
| Status: | Completed - Case Closed |
| Status Date: | 12/18/2017 |
| Case Worker: | TAS |
| RB Case Number: | 3475 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | Local Agency |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water), Sediments, Soil |
| Potential Contaminants of Concern: | Heating Oil / Fuel Oil |
| Site History: | CONTAMINANTS FROM SEVERAL SOURCES FROM OLD USTS THROUGHOUT PROPERTY (HEATING OIL, TPH-GAS, TPH-DIESEL). COMMINGLED PLUME, , |

LUST:

| | |
|---|---|
| Global Id: | T0608733661 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608733661 |
| Action Type: | ENFORCEMENT |
| Date: | 02/15/2007 |
| Action: | 13267 Requirement |

**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 06/22/2007
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/18/2009
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/07/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 12/18/2017
Action: Closure/No Further Action Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 07/28/2017
Action: 13267 Requirement

Global Id: T0608733661
Action Type: Other
Date: 01/01/2002
Action: Leak Began

Global Id: T0608733661
Action Type: RESPONSE
Date: 09/30/2002
Action: Soil and Water Investigation Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/30/2007
Action: Soil and Water Investigation Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2007
Action: Soil and Water Investigation Workplan

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE





**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Date: 11/28/2017
Action: Well Destruction Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 07/25/2017
Action: Other Report / Document

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 04/20/2005
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 11/05/2005
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 04/17/2008
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 04/17/2008
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/18/2009
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 12/09/2008
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 07/08/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 07/23/2013
Action: Referral to Local Agency

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Global Id: T0608733661
Action Type: RESPONSE
Date: 02/08/2006
Action: Soil and Water Investigation Workplan

Global Id: T0608733661
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/30/2014
Action: Remedial Progress Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2015
Action: Remedial Progress Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/30/2016
Action: Remedial Progress Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 08/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 12/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: ENFORCEMENT





**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Date: 08/28/2002
Action: 13267 Monitoring Program

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 02/20/2007
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 07/15/2016
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/24/2017
Action: Notification - Fee Title Owners Notice

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 05/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 05/01/2004
Action: Other Report / Document

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2005
Action: Well Installation Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 08/03/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Quarterly

**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/30/2007
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/30/2012
Action: Monitoring Report - Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 11/24/2014
Action: Risk Assessment Report

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 07/09/2002
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/01/2004
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 03/09/2006
Action: 13267 Requirement

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 06/15/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 10/01/2014
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 10/06/2014
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 10/22/2014
Action: Staff Letter

Global Id: T0608733661
Action Type: Other





**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Date: 04/29/2002
Action: Leak Discovery

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 02/20/2007
Action: Other Report / Document

Global Id: T0608733661
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/30/2011
Action: Monitoring Report - Annually

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 05/18/2009
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 08/10/2009
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 12/15/2009
Action: Staff Letter

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 02/07/2013
Action: File review

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Referral to Regional Board

Global Id: T0608733661
Action Type: ENFORCEMENT
Date: 09/24/2014
Action: Staff Letter

**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Global Id: T0608733661
Action Type: Other
Date: 04/29/2002
Action: Leak Reported

Global Id: T0608733661
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/01/2007
Action: Other Workplan

Global Id: T0608733661
Action Type: RESPONSE
Date: 06/30/2013
Action: Monitoring Report - Annually

Global Id: T0608733661
Action Type: RESPONSE
Date: 05/30/2017
Action: Other Report / Document

Global Id: T0608733661
Action Type: REMEDIATION
Date: 04/01/2005
Action: Free Product Removal

LUST:
Global Id: T0608733661
Status: Open - Case Begin Date
Status Date: 04/29/2002

Global Id: T0608733661
Status: Open - Site Assessment
Status Date: 12/17/2002

Global Id: T0608733661
Status: Open - Site Assessment
Status Date: 05/04/2004

Global Id: T0608733661
Status: Open - Site Assessment
Status Date: 02/08/2006

Global Id: T0608733661
Status: Open - Verification Monitoring
Status Date: 10/29/2007

Global Id: T0608733661





**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Status: Open - Verification Monitoring
Status Date: 10/06/2014

Global Id: T0608733661
Status: Open - Eligible for Closure
Status Date: 05/24/2017

Global Id: T0608733661
Status: Completed - Case Closed
Status Date: 12/18/2017

CORTESE:
Name: SAN LORENZO PARK PLAZA ( SOUTHERN PLUME)
Address: 600-601 FRONT ST (COMMINGLED PLUME)
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608733661
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SAN LORENZO PARK PLAZA ( SOUTHERN PLUME)
Address: 600-601 FRONT ST (COMMINGLED PLUME)
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 229776
CERS ID: T0608733661
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

**SAN LORENZO PARK PLAZA ( SOUTHERN PLUME) (Continued)** **S106916506**

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**L43 SE 1/8-1/4 0.128 mi. 676 ft.** **SHERWIN-WILLIAMS #8929**
**408 FRONT ST**
**SANTA CRUZ, CA 95060**
**CERS HAZ WASTE** **S109936090**
**CUPA Listings** **N/A**
**CERS**

**Site 1 of 3 in cluster L**

**Relative: Lower**
**Actual: 7 ft.**

CERS HAZ WASTE:
Name: SHERWIN-WILLIAMS #8929
Address: 408 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 67384
CERS ID: 10122460
CERS Description: Hazardous Waste Generator

CUPA SANTA CRUZ:
Name: SHERWIN-WILLIAMS #8929
Address: 408 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006342
Cross Street: LAUREL
Description: HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

Name: SHERWIN-WILLIAMS #8929
Address: 408 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0006342
Cross Street: LAUREL
Description: HMMP SHORT FORM BASE FEE

CERS:
Name: SHERWIN-WILLIAMS #8929
Address: 408 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 67384
CERS ID: 10122460
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 67384
Site Name: Sherwin-Williams #8929
Violation Date: 02-10-2016
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 02/17/2016. Failure to inspect Hazardous Waste storage areas on a weekly basis.. The owner or operator shall





**SHERWIN-WILLIAMS #8929 (Continued)** **S109936090**

inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. CORRECTIVE ACTION: Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 8-1-16 OK. Next annual submittal due by 8-1-17.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 8/2018. OK. No violations noted. Thank You.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016

**SHERWIN-WILLIAMS #8929 (Continued)** **S109936090**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 67384
Site Name: Sherwin-Williams #8929
Site Address: 408 FRONT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 02-10-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,





**SHERWIN-WILLIAMS #8929 (Continued)** **S109936090**

Coordinates:
Site ID: 67384
Facility Name: Sherwin-Williams #8929
Env Int Type Code: HWG
Program ID: 10122460
Coord Name: Not reported
Ref Point Type Desc: Property Boundary,
Latitude: 36.970741
Longitude: -122.023790

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Legal Owner
Entity Name: The Sherwin-Williams Co.
Entity Title: Not reported
Affiliation Address: 101 Prospect Ave NW, 1000 Midland Buidling
Affiliation City: Cleveland
Affiliation State: OH
Affiliation Country: United States
Affiliation Zip: 44115
Affiliation Phone: (216) 566-2000,

Affiliation Type Desc: Parent Corporation
Entity Name: Sherwin-Williams Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Yenny Khuu
Entity Title: Not reported
Affiliation Address: 2100 W. Orangewood Ave. Ste100
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92868
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 408 Front St
Affiliation City: Santa Cruz

**SHERWIN-WILLIAMS #8929 (Continued)** **S109936090**

| | |
|---|---|
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Yenny Khuu |
| Entity Title: | Area EHS Manager |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Operator |
| Entity Name: | The Sherwin-Williams Co. |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (216) 566-2000, |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Yenny Khuu |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | JAMES H. BIERMAN |
| Entity Title: | Not reported |
| Affiliation Address: | 2805 SMITH GRADE |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 429-1205, |

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**L44** **SHERWIN-WILLIAMS # 8929** **RCRA NonGen / NLR** **1024820951**
**SE** **408 FRONT ST** **CAL000335449**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.128 mi.**
**676 ft.** **Site 2 of 3 in cluster L**

**Relative:**
**Lower**
**Actual:**
**7 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 20080814 |
| Handler Name: | SHERWIN-WILLIAMS # 8929 | |
| Handler Address: | | 408 FRONT ST |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060-4504 |
| EPA ID: | | CAL000335449 |





**SHERWIN-WILLIAMS # 8929 (Continued)** **1024820951**

| | |
|---|---|
| Contact Name: | CAROL F. DOE |
| Contact Address: | 101 PROSPECT AVE NW |
| Contact City,State,Zip: | CLEVELAND, OH 44115 |
| Contact Telephone: | 216-566-1710 |
| Contact Fax: | Not reported |
| Contact Email: | CAROL.F.DOE@SHERWIN.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 101 W PROSPECT AVE |
| Mailing City,State,Zip: | CLEVELAND, OH 44115-1027 |
| Owner Name: | THE SHERWIN WILLIAMS COMPANY |
| Owner Type: | Other |
| Operator Name: | CAROL F. DOE |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |

**SHERWIN-WILLIAMS # 8929 (Continued)** **1024820951**

| | |
|---|---|
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CAROL F. DOE |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 101 PROSPECT AVE NW |
| Owner/Operator City,State,Zip: | CLEVELAND, OH 44115 |
| Owner/Operator Telephone: | 216-566-1710 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | THE SHERWIN WILLIAMS COMPANY |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 101 W PROSPECT AVE |
| Owner/Operator City,State,Zip: | CLEVELAND, OH 44115-1027 |
| Owner/Operator Telephone: | 216-566-1710 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20080814 |
| Handler Name: SHERWIN-WILLIAMS # 8929 | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |





**SHERWIN-WILLIAMS # 8929 (Continued)** **1024820951**

| | |
|---|---|
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 44419 |
| NAICS Description: | OTHER BUILDING MATERIAL DEALERS |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**L45** **PUTNEY & PERRY AUTO SVC** **RCRA-SQG** **1000314704**
**SE** **325 FRONT ST** **LUST** **CAD982000184**
**1/8-1/4** **SANTA CRUZ, CA 95060** **CPS-SLIC**
**0.133 mi.** **SWEEPS UST**
**700 ft.** **Site 3 of 3 in cluster L** **HIST UST**
**CA FID UST**
**Relative:** **DEED**
**Lower** **FINDS**
**Actual:** **ECHO**
**8 ft.** **Cortese**
**HAZNET**
**HIST CORTESE**
**CERS**
**HWTS**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | PUTNEY & PERRY AUTO SVC |
| Handler Address: | 325 FRONT ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD982000184 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | 325 FRONT ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | Not reported |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Owner Type: | Not reported |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JERRY SHARPEN |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19960901 |
| Handler Name: | PUTNEY & PERRY AUTO SVC |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 19870527 |
| Handler Name: | PUTNEY & PERRY AUTO SVC |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: PUTNEY & PERRY AUTO
Address: 325 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700277
Global Id: T0608700277
Latitude: 36.9699996200898
Longitude: -122.024213075638
Status: Completed - Case Closed
Status Date: 07/19/2013
Case Worker: TAS
RB Case Number: 726
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000047
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Annual Monitoring and Sampling, Ten wells not sampled during monitoring events.

LUST:
Global Id: T0608700277
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0608700277
Contact Type: Local Agency Caseworker
Contact Name: HEATHER HANNA
Organization Name: SANTA CRUZ COUNTY
Address: 701 Ocean Street, Suite 312
City: SANTA CRUZ
Email: heather.hanna@santacruzcounty.us
Phone Number: 8314544813

LUST:
Global Id: T0608700277
Action Type: ENFORCEMENT





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Date: 08/11/2010
Action: 13267 Requirement

Global Id: T0608700277
Action Type: RESPONSE
Date: 10/20/2009
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/20/2003
Action: Other Report / Document

Global Id: T0608700277
Action Type: RESPONSE
Date: 12/30/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 12/20/2005
Action: Remedial Progress Report

Global Id: T0608700277
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/11/2013
Action: Request for Closure

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 11/09/2005
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 09/30/2008
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 12/08/2008
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 05/15/2009
Action: 13267 Requirement

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 03/24/2010
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 09/17/2010
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/28/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 02/22/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/17/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/17/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700277
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 10/20/2005
Action: Remedial Progress Report

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Date: 12/31/2009
Action: Risk Assessment Report

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 07/31/2008
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 08/04/2008
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 11/29/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 02/25/2013
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 07/19/2013
Action: Closure/No Further Action Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 05/13/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/17/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700277
Action Type: RESPONSE
Date: 06/30/2010
Action: Monitoring Report - Annually

Global Id: T0608700277
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 07/20/2008
Action: Soil and Water Investigation Workplan

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 02/14/2003
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 11/18/2002
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 09/21/2009
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 05/17/2010
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 11/30/2012
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 08/14/2012
Action: Deed Restriction / Land Use Restriction / Covenant

Global Id: T0608700277
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

Global Id: T0608700277
Action Type: RESPONSE
Date: 04/30/2009
Action: Soil and Water Investigation Report

Global Id: T0608700277
Action Type: RESPONSE
Date: 05/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Date: 04/20/2011
Action: Conceptual Site Model

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/04/1998
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 05/12/2008
Action: 13267 Requirement

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 11/19/2010
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 01/11/2012
Action: Staff Letter

Global Id: T0608700277
Action Type: ENFORCEMENT
Date: 06/14/2012
Action: Staff Letter

Global Id: T0608700277
Action Type: Other
Date: 11/20/1989
Action: Leak Reported

Global Id: T0608700277
Action Type: RESPONSE
Date: 01/23/2003
Action: Other Workplan

Global Id: T0608700277
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700277
Action Type: RESPONSE
Date: 07/20/2011
Action: Monitoring Report - Annually

Global Id: T0608700277
Action Type: RESPONSE
Date: 11/20/1989
Action: Unauthorized Release Form

Global Id: T0608700277
Action Type: RESPONSE
Date: 06/30/2010
Action: Soil and Water Investigation Workplan - Regulator Responded

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Global Id: T0608700277
Action Type: RESPONSE
Date: 07/25/2013
Action: Well Destruction Report - Regulator Responded

Global Id: T0608700277
Action Type: RESPONSE
Date: 02/15/2013
Action: Other Report / Document - Regulator Responded

Global Id: T0608700277
Action Type: REMEDIATION
Date: 07/01/2005
Action: Soil Vapor Extraction (SVE)

Global Id: T0608700277
Action Type: REMEDIATION
Date: 02/08/2003
Action: Excavation

LUST:
Global Id: T0608700277
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0608700277
Status: Open - Site Assessment
Status Date: 06/13/1990

Global Id: T0608700277
Status: Open - Site Assessment
Status Date: 11/30/1993

Global Id: T0608700277
Status: Open - Verification Monitoring
Status Date: 07/06/1999

Global Id: T0608700277
Status: Open - Remediation
Status Date: 09/20/2005

Global Id: T0608700277
Status: Open - Remediation
Status Date: 12/21/2005

Global Id: T0608700277
Status: Open - Site Assessment
Status Date: 05/12/2008

Global Id: T0608700277
Status: Open - Verification Monitoring
Status Date: 05/15/2009

Global Id: T0608700277
Status: Open - Eligible for Closure
Status Date: 06/28/2012





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Global Id: T0608700277
Status: Completed - Case Closed
Status Date: 07/19/2013

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700277
Status: Post remedial action monitoring
Case Number: 726
Local Case Num: Not reported
Case Type: O
Substance: Waste Oil
Quantity: Not reported
Abatement Method: Other
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 11/20/1989
Discovered Date: 10/2/89
Enter Date: 12/13/1989
Stop Date: Not reported
Review Date: 09/12/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: PATRICK BROOKS
RP Address: 3245 WINGED FOOT DRIVE
Contact: Not reported
Cross Street: LAUREL
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 6/13/90
Pollution Char: 11/30/1993
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 07/06/1999
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: C
Max MTBE Grnd Wtr: 50
Max MTBE Soil: Not reported
Max MTBE Data: 09/28/2001
MTBE Tested: YES
Lat/Long: 36.9696255 / -122.0239258
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 8
Mtbe Fuel: 0
Org Name: Not reported

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Basin Plan: 4.11
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: EXCAVATION REPORT DATED 02/08/93 WAS SUBMITTED BY TMC ENVIROINC. TPH-G 4700, BENZENE 610, MTBE <130 IN MW-5. CONSULTANT WILL SUBMIT WP TO ASSESS DOWNGRADIENT OF FORMER UST. UST WAS ABANDONED IN PLACE. WORKPLAN APPROVAL & VET.

CPS-SLIC:
Name: 325 FRONT STREET REDEVELOPMENT
Address: 325 FRONT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status: Open - Assessment & Interim Remedial Action**
Status Date: 01/06/2021
Global Id: T10000016719
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 36.9702
Longitude: -122.02441
Case Type: Cleanup Program Site
Case Worker: WNL
Local Agency: SANTA CRUZ COUNTY
RB Case Number: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Not reported
Potential Contaminants of Concern: Tetrachloroethylene (PCE)
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Name: PUTNEY & PERRY AUTO SERVICE
Address: 325 FRONT ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 11757
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-011757-000001
Tank Status: Not reported
Capacity: 150
Active Date: Not reported
Tank Use: OIL
STG: WASTE





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Content: WASTE OIL
Number Of Tanks: 2

Name: PUTNEY & PERRY AUTO SERVICE
Address: 325 FRONT ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 11757
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-011757-000002
Tank Status: Not reported
Capacity: 285
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: PUTNEY AND PERRY AUTO SERVICE
Address: 325 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020B23
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020B23.pdf
Region: STATE
Facility ID: 00000011757
Facility Type: Gas Station
Other Type: Not reported
Contact Name: VERNON PUTNEY & MANUEL PEREY
Telephone: 4084261615
Owner Name: BURT HOLLAND
Owner Address: 500 CALLE DEL SOL
Owner City,St,Zip: APTOS, CA 95003
Total Tanks: 0002

Tank Num: 001
Container Num: 2
Year Installed: 1963
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: 1946
Tank Capacity: 00000285
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Click here for Geo Tracker PDF:

CA FID UST:

| | |
|---|---|
| Facility ID: | 44000072 |
| Regulated By: | UTNKI |
| Regulated ID: | 00011757 |
| Cortese Code: | Not reported |
| SIC Code: | Not reported |
| Facility Phone: | 4084261615 |
| Mail To: | Not reported |
| Mailing Address: | SAME |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | SANTA CRUZ 95060 |
| Contact: | Not reported |
| Contact Phone: | Not reported |
| DUNs Number: | Not reported |
| NPDES Number: | Not reported |
| EPA ID: | Not reported |
| Comments: | Not reported |
| Status: | Inactive |

DEED:

| | |
|---|---|
| Name: | PUTNEY & PERRY AUTO |
| Address: | 325 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Envirostor ID: | T0608700277 |
| Area: | Not reported |
| Sub Area: | Not reported |
| Site Type: | LUFT |
| Status: | COMPLETED - CASE CLOSED |
| Agency: | SWRCB |
| Covenant Uploaded: | Y |
| Deed Date(s): | 08/14/2012 |
| File Name: | Geotracker Land Use/Deed Restrictions |

FINDS:

Registry ID: 110002772287

Click Here:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

ECHO:

| | |
|---|---|
| Envid: | 1000314704 |
| Registry ID: | 110002772287 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002772287 |
| Name: | PUTNEY & PERRY AUTO SVC |
| Address: | 325 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

CORTESE:

| | |
|---|---|
| Name: | PUTNEY & PERRY AUTO |
| Address: | 325 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700277 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HAZNET:

| | |
|---|---|
| Name: | PUTNEY & PERRY AUTO SVC |
| Address: | 325 FRONT ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact: | J OR DANIELLE MILLER/OWNERS |
| Telephone: | 8314261615 |
| Mailing Name: | Not reported |
| Mailing Address: | 325 FRONT ST |
| Year: | 2008 |
| Gepaid: | CAD982000184 |
| TSD EPA ID: | CAL000190816 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.133 |
| Year: | 2007 |
| Gepaid: | CAD982000184 |
| TSD EPA ID: | CAL000190816 |
| CA Waste Code: | 221 - Waste oil and mixed oil |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.596

Year: 2006
Gepaid: CAD982000184
TSD EPA ID: CAL000190816
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.95

Year: 2006
Gepaid: CAD982000184
TSD EPA ID: CAL000190816
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 1.577

Year: 2004
Gepaid: CAD982000184
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: T03 - Treatment, Incineration
Tons: 0.35

Year: 2001
Gepaid: CAD982000184
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.25

Year: 1994
Gepaid: CAD982000184
TSD EPA ID: CAD088838222
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.504

Year: 1993
Gepaid: CAD982000184
TSD EPA ID: CAD088838222
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 1.407

Year: 1993
Gepaid: CAD982000184
TSD EPA ID: CAD088838222
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: -
Tons: 0.231

Year: 1992
Gepaid: CAD982000184
TSD EPA ID: CAD088838222





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 1.1049

Click this hyperlink while viewing on your computer to access
7 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2008
Gen EPA ID: CAD982000184

Shipment Date: 20080509
Creation Date: 7/25/2008 18:30:17
Receipt Date: 20080512
Manifest ID: 001738462FLE
Trans EPA ID: CAL000827878
Trans Name: AMERICAN VALLEY WASTE OIL
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000190816
Trans Name: RIVERBANK OIL TRANSFER
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.133
Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD982000184

Shipment Date: 19931213
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931213
Manifest ID: 93131319
Trans EPA ID: CAD088838222
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931012 |
| Creation Date: | 9/12/1995 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 92840774 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930813 |
| Creation Date: | 9/12/1995 0:00:00 |
| Receipt Date: | 19930813 |
| Manifest ID: | 92185160 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD088838222 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Shipment Date: | 19930707 |
| Creation Date: | 9/9/1995 0:00:00 |
| Receipt Date: | 19930707 |
| Manifest ID: | 92185060 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930507 |
| Creation Date: | 9/8/1995 0:00:00 |
| Receipt Date: | 19930507 |
| Manifest ID: | 92184953 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930324 |
| Creation Date: | 9/6/1995 0:00:00 |
| Receipt Date: | 19930324 |
| Manifest ID: | 92184855 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD088838222 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.252 |
| Waste Quantity: | 60 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19930125 |
| Creation Date: | 9/15/1995 0:00:00 |
| Receipt Date: | 19930125 |
| Manifest ID: | 92185551 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD088838222 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2001 |
| Gen EPA ID: | CAD982000184 |
| Shipment Date: | 20010126 |
| Creation Date: | 4/30/2001 0:00:00 |
| Receipt Date: | 20010228 |
| Manifest ID: | 20403961 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | CAD063547996 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT080033681 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | Not reported |





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 0.25 |
| Waste Quantity: | 500 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2006 |
| Gen EPA ID: | CAD982000184 |
| Shipment Date: | 20061011 |
| Creation Date: | 3/30/2007 13:31:59 |
| Receipt Date: | 20061018 |
| Manifest ID: | 000660703FLE |
| Trans EPA ID: | CAL000827878 |
| Trans Name: | AMERICAN VALLEY WASTE OIL |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000190816 |
| Trans Name: | RIVERBANK OIL TRANSFER |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20060316 |
| Creation Date: | 7/27/2006 18:31:56 |
| Receipt Date: | 20060321 |
| Manifest ID: | 24716080 |
| Trans EPA ID: | CAL000827878 |
| Trans Name: | AMERICAN VALLEY WASTE OIL |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000190816 |
| Trans Name: | RIVERBANK OIL TRANSFER |
| TSDF Alt EPA ID: | CAL000190816 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20060109 |
| Creation Date: | 3/14/2007 18:30:24 |
| Receipt Date: | 20060109 |
| Manifest ID: | 24716578 |
| Trans EPA ID: | CAL000827878 |
| Trans Name: | AMERICAN VALLEY WASTE OIL |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000190816 |
| Trans Name: | RIVERBANK OIL TRANSFER |
| TSDF Alt EPA ID: | CAL000190816 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.627 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1994 |
| Gen EPA ID: | CAD982000184 |
| Shipment Date: | 19940630 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940630 |
| Manifest ID: | 93615005 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD088838222 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.252 |
| Waste Quantity: | 60 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Shipment Date: | 19940404 |
| Creation Date: | 10/5/1995 0:00:00 |
| Receipt Date: | 19940404 |
| Manifest ID: | 93131585 |
| Trans EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD088838222 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.252 |
| Waste Quantity: | 60 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2004 |
| Gen EPA ID: | CAD982000184 |
| Shipment Date: | 20040901 |
| Creation Date: | 1/11/2005 18:31:27 |
| Receipt Date: | 20040930 |
| Manifest ID: | 23409476 |
| Trans EPA ID: | CAD980584510 |
| Trans Name: | PHILIP WEST INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | CAD063547996 |
| Trans 2 Name: | PHILIP TRANSPORATION & REMEDIATION INC |
| TSDF EPA ID: | NVD980895338 |
| Trans Name: | 21 CENTURY EMI |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D018 |
| Meth Code: | T03 - Treatment, Incineration |
| Quantity Tons: | 0.35 |
| Waste Quantity: | 700 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2007 |
| Gen EPA ID: | CAD982000184 |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| Shipment Date: | 20070412 |
| Creation Date: | 8/28/2007 18:30:20 |
| Receipt Date: | 20070413 |
| Manifest ID: | 000555211FLE |
| Trans EPA ID: | CAL000827878 |
| Trans Name: | AMERICAN VALLEY WASTE OIL |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000190816 |
| Trans Name: | RIVERBANK OIL TRANSFER |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.76 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20070115 |
| Creation Date: | 8/9/2007 18:30:38 |
| Receipt Date: | 20070122 |
| Manifest ID: | 000552724FLE |
| Trans EPA ID: | CAL000827878 |
| Trans Name: | AMERICAN VALLEY WASTE OIL |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000190816 |
| Trans Name: | RIVERBANK OIL TRANSFER |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.836 |
| Waste Quantity: | 220 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | PUTNEY & PERRY AUTO |
| edr_fadd1: | 325 FRONT |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |





**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

Reg Id: 726

CERS:

| | |
|---|---|
| Name: | PUTNEY & PERRY AUTO |
| Address: | 325 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 189707 |
| CERS ID: | T0608700277 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | SCOTT CARSON - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

HWTS:

| | |
|---|---|
| Name: | PUTNEY & PERRY AUTO SVC |
| Address: | 325 FRONT ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| EPA ID: | CAD982000184 |
| Inactive Date: | 06/30/2013 |
| Create Date: | 03/01/1988 |
| Last Act Date: | 03/19/2014 |
| Mailing Name: | Not reported |
| Mailing Address: | 325 FRONT ST |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Owner Name: | PUTNEY & PERRY AUTO SERVICE |
| Owner Address: | 325 FRONT STREET |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact Name: | J OR DANIELLE MILLER/OWNERS |
| Contact Address: | 325 FRONT ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |

NAICS:

| | |
|---|---|
| EPA ID: | CAD982000184 |
| Create Date: | 2003-01-29 13:09:39.530 |

**PUTNEY & PERRY AUTO SVC (Continued)** **1000314704**

| | |
|---|---|
| NAICS Code: | 811111 |
| NAICS Description: | General Automotive Repair |
| Issued EPA ID Date: | 1988-03-01 00:00:00 |
| Inactive Date: | 2013-06-30 00:00:00 |
| Facility Name: | PUTNEY & PERRY AUTO SVC |
| Facility Address: | 325 FRONT ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 950600000 |

---

**M46 NNE 1/8-1/4 0.133 mi. 701 ft.** **MCPHERSON BUILDING** **SWEEPS UST** **S101594703**
**705 FRONT ST** **CA FID UST** **N/A**
**SANTA CRUZ, CA 95062**

**Site 1 of 5 in cluster M**

**Relative: Lower**
**Actual: 12 ft.**

SWEEPS UST:

| | |
|---|---|
| Name: | MCPHERSON BUILDING |
| Address: | 705 FRONT ST |
| City: | SANTA CRUZ |
| Status: | Not reported |
| Comp Number: | 4482 |
| Number: | Not reported |
| Board Of Equalization: | 44-000036 |
| Referral Date: | Not reported |
| Action Date: | Not reported |
| Created Date: | Not reported |
| Owner Tank Id: | Not reported |
| SWRCB Tank Id: | 44-000-004482-000001 |
| Tank Status: | Not reported |
| Capacity: | 500 |
| Active Date: | Not reported |
| Tank Use: | OIL |
| STG: | WASTE |
| Content: | WASTE OIL |
| Number Of Tanks: | 1 |

CA FID UST:

| | |
|---|---|
| Facility ID: | 44000108 |
| Regulated By: | UTNKI |
| Regulated ID: | Not reported |
| Cortese Code: | Not reported |
| SIC Code: | Not reported |
| Facility Phone: | Not reported |
| Mail To: | Not reported |
| Mailing Address: | 701 OCEAN ST |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | SANTA CRUZ 95062 |
| Contact: | Not reported |
| Contact Phone: | Not reported |
| DUNs Number: | Not reported |
| NPDES Number: | Not reported |
| EPA ID: | Not reported |
| Comments: | Not reported |





**MCPHERSON BUILDING (Continued)** **S101594703**

| | |
|---|---|
| Status: | Inactive |

---

**M47 NNE 1/8-1/4 0.133 mi. 701 ft.** **MCPHERSON ART & HISTORY MUSEUM** **LUST** **S101309568**
**705 FRONT ST** **Cortese** **N/A**
**SANTA CRUZ, CA 95060** **HIST CORTESE**
**CERS**

**Site 2 of 5 in cluster M**

**Relative: Lower**
**Actual: 12 ft.**

LUST:

| | |
|---|---|
| Name: | MCPHERSON ART & HISTORY MUSEUM |
| Address: | 705 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700042 |
| Global Id: | T0608700042 |
| Latitude: | 36.9744354020328 |
| Longitude: | -122.025302052498 |
| Status: | Completed - Case Closed |
| Status Date: | 10/26/1994 |
| Case Worker: | Not reported |
| RB Case Number: | 2225 |
| Local Agency: | Not reported |
| File Location: | Not reported |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700042 |
| Action Type: | ENFORCEMENT |
| Date: | 09/14/1992 |
| Action: | Closure/No Further Action Letter |

| | |
|---|---|
| Global Id: | T0608700042 |
| Action Type: | Other |
| Date: | 11/01/1991 |
| Action: | Leak Reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700042 |
| Status: | Open - Case Begin Date |
| Status Date: | 04/05/1991 |

| | |
|---|---|
| Global Id: | T0608700042 |
| Status: | Open - Site Assessment |
| Status Date: | 04/05/1991 |

| | |
|---|---|
| Global Id: | T0608700042 |
| Status: | Completed - Case Closed |
| Status Date: | 10/26/1994 |

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |

**MCPHERSON ART & HISTORY MUSEUM (Continued)** **S101309568**

| | |
|---|---|
| Facility County: | Santa Cruz |
| Global ID: | T0608700042 |
| Status: | Case Closed |
| Case Number: | 2225 |
| Local Case Num: | Not reported |
| Case Type: | O |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | U |
| Leak Source: | UNK |
| Leak Cause: | UNK |
| How Stopped: | Not reported |
| How Discovered: | OM |
| Release Date: | 11/01/1991 |
| Discovered Date: | Not reported |
| Enter Date: | 04/05/1991 |
| Stop Date: | Not reported |
| Review Date: | 01/30/1995 |
| Enforce Date: | Not reported |
| Close Date: | 10/26/94 |
| Enforcement Type: | Not reported |
| Responsible Party: | Not reported |
| RP Address: | Not reported |
| Contact: | Not reported |
| Cross Street: | Not reported |
| Local Agency: | 44000 |
| Lead Agency: | Regional Board |
| Staff Initials: | HDC |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | 04/05/1991 |
| Remedial Plan: | Not reported |
| Remedial Action: | Not reported |
| Monitoring: | / / |
| Pilot Program: | UST |
| Interim Action: | 0 |
| Funding: | Not reported |
| MTBE Class: | * |
| Max MTBE Grnd Wtr: | Not reported |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | / / |
| MTBE Tested: | NT |
| Lat/Long: | 36.9741754 / -122.0250969 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | Not reported |
| Mtbe Concentratn: | 0 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | 4.11 |
| Beneficial: | Not reported |
| Priority: | 3A3 |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | POGONIP POLO CLUB - DEAC |
| Well Name: | LPA REPORTED PRIMARY SOURCE |





**MCPHERSON ART & HISTORY MUSEUM (Continued)** **S101309568**

Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: SITE HAS BEEN CLOSED BY MR. HARVEY PACKARD. (FILE WAS PLACED IN STORAGE ROOM COUNTY BOX(44) BOX 1-B)

CORTESE:

| | |
|---|---|
| Name: | MCPHERSON ART & HISTORY MUSEUM |
| Address: | 705 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700042 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | MCPHERSON ART & HISTORY M |
| edr_fadd1: | 705 FRONT |
| City,State,Zip: | SANTA CRUZ, CA |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 2225 |

CERS:

| | |
|---|---|
| Name: | MCPHERSON ART & HISTORY MUSEUM |
| Address: | 705 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 238965 |
| CERS ID: | T0608700042 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

**K48 NNW 1/8-1/4 0.133 mi. 701 ft.**
**Relative: Higher**
**Actual: 18 ft.**

**SANTA CRUZ SENTINEL**
**207 CHURCH ST**
**SANTA CRUZ, CA 95060**

**Site 3 of 4 in cluster K**

**RCRA-SQG** **1000395003**
**CPS-SLIC** **CAD013111687**
**FINDS**
**ECHO**
**HAZNET**
**NPDES**
**CIWQS**
**CERS**
**HWTS**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | SANTA CRUZ SENTINEL |
| Handler Address: | 207 CHURCH ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD013111687 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | P O BOX 638 |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95061 |
| Owner Name: | Not reported |
| Owner Type: | Not reported |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | OTTAWAY NEWSPAPERS, INC |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: SANTA CRUZ SENTINEL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860106
Handler Name: SANTA CRUZ SENTINEL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 51111
NAICS Description: NEWSPAPER PUBLISHERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CPS-SLIC:
Name: CHURCH STREET LLC
Address: 207 CHURCH ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status: Completed - Case Closed**
Status Date: 12/19/2013
Global Id: T10000001572
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: RO0000290
Latitude: 36.9739811212718
Longitude: -122.027721405029
Case Type: Cleanup Program Site





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Case Worker: TT
Local Agency: SANTA CRUZ COUNTY
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Dichloroethene (DCE), Trichloroethylene (TCE)
Site History: Site closed 12/19/2013. Remaining TCE and cis-DCE in groundwater above MCLs, part of widespread solvent plume with upgradient source. No solvents detected in soils; soil vapor data had no VOCs above regulatory thresholds. Notification required if shallow groundwater is extracted.

Click here to access the California GeoTracker records for this facility:

FINDS:
Registry ID: 110002638352

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000395003
Registry ID: 110002638352
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002638352
Name: SANTA CRUZ SENTINEL
Address: 207 CHURCH ST
City,State,Zip: SANTA CRUZ, CA 95060

HAZNET:
Name: SANTA CRUZ SENTINEL
Address: 207 CHURCH ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950600000
Contact: MIKE BLAESSER / DIR OF OPTNS
Telephone: 8314234242
Mailing Name: Not reported
Mailing Address: 1800 GREEN HILLS RD STE 210

Year: 2009
Gepaid: CAD013111687
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3

Year: 2008
Gepaid: CAD013111687
TSD EPA ID: CAD982042475
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2725

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAD008302903
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAD003963592
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.35445

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAD097030993
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.378

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAD097030993
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.418

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Tons: 20.16

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAT080014079
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.6

Year: 2007
Gepaid: CAD013111687
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.21

Click this hyperlink while viewing on your computer to access
32 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2008
Gen EPA ID: CAD013111687

Shipment Date: 20080725
Creation Date: 8/29/2008 18:30:24
Receipt Date: 20080730
Manifest ID: 001421437FLE
Trans EPA ID: CAL000291177
Trans Name: SYNERGY ENTERPRISES INC
Trans 2 EPA ID: CAR000037283
Trans 2 Name: WORLD ENVIRONMENTAL & ENERGY
TSDF EPA ID: CAD982042475
Trans Name: NWS HAY ROAD LANDFILL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2005
Gen EPA ID: CAD013111687

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Shipment Date: | 20051017 |
| Creation Date: | 12/22/2006 18:30:28 |
| Receipt Date: | 20051025 |
| Manifest ID: | 24789657 |
| Trans EPA ID: | NJD080631369 |
| Trans Name: | ONYX ENVIRONMENTAL SVCS LLC |
| Trans 2 EPA ID: | CAD004778742 |
| Trans 2 Name: | STURGEON AND SON INC |
| TSDF EPA ID: | CAD008302903 |
| Trans Name: | ONYX ENVIRONMENTAL SERVICES |
| TSDF Alt EPA ID: | CAD008302903 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | D010 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2 |
| Waste Quantity: | 400 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20051017 |
| Creation Date: | 12/22/2006 18:30:28 |
| Receipt Date: | 20051025 |
| Manifest ID: | 24789657 |
| Trans EPA ID: | NJD080631369 |
| Trans Name: | ONYX ENVIRONMENTAL SVCS LLC |
| Trans 2 EPA ID: | CAD004778742 |
| Trans 2 Name: | STURGEON AND SON INC |
| TSDF EPA ID: | CAD008302903 |
| Trans Name: | ONYX ENVIRONMENTAL SERVICES |
| TSDF Alt EPA ID: | CAD008302903 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2 |
| Waste Quantity: | 400 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20051017 |
| Creation Date: | 12/22/2006 18:30:28 |
| Receipt Date: | 20051025 |
| Manifest ID: | 24789657 |
| Trans EPA ID: | NJD080631369 |
| Trans Name: | ONYX ENVIRONMENTAL SVCS LLC |
| Trans 2 EPA ID: | CAD004778742 |
| Trans 2 Name: | STURGEON AND SON INC |
| TSDF EPA ID: | CAD008302903 |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Trans Name: | ONYX ENVIRONMENTAL SERVICES |
| TSDF Alt EPA ID: | CAD008302903 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.3 |
| Waste Quantity: | 600 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2006 |
| Gen EPA ID: | CAD013111687 |

| | |
|---|---|
| Shipment Date: | 20060728 |
| Creation Date: | 9/27/2006 18:35:31 |
| Receipt Date: | 20060803 |
| Manifest ID: | 24788681 |
| Trans EPA ID: | NJD080631369 |
| Trans Name: | VEOLIA ES TECHNICAL SOLUTIONS |
| Trans 2 EPA ID: | CAD004778742 |
| Trans 2 Name: | STURGEON AND SON INC |
| TSDF EPA ID: | CAT080014079 |
| Trans Name: | VEOLIA ES TECHNICAL SOLUTIONS LLC |
| TSDF Alt EPA ID: | CAT080014079 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 1 |
| Waste Quantity: | 2000 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20060313 |
| Creation Date: | 7/27/2006 18:31:56 |
| Receipt Date: | 20060315 |
| Manifest ID: | 24788430 |
| Trans EPA ID: | NJD080631369 |
| Trans Name: | ONYX ENVIRONMENTAL SVCS LLC |
| Trans 2 EPA ID: | CAD004778742 |
| Trans 2 Name: | STURGEON AND SON INC |
| TSDF EPA ID: | CAT080014079 |
| Trans Name: | ONYX ENVIRONMENTAL SERVICES LLC |
| TSDF Alt EPA ID: | CAT080014079 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Meth Code: H01 - Transfer Station
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060313
Creation Date: 7/5/2006 12:04:51
Receipt Date: 20060320
Manifest ID: 24788429
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: CAD004778742
Trans 2 Name: STURGEON AND SON INC
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060313
Creation Date: 7/27/2006 18:31:56
Receipt Date: 20060315
Manifest ID: 24788430
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: CAD004778742
Trans 2 Name: STURGEON AND SON INC
TSDF EPA ID: CAT080014079
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID: CAT080014079
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D010
Meth Code: H01 - Transfer Station
Quantity Tons: 0.16
Waste Quantity: 320
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Additional Info:
Year: 1996
Gen EPA ID: CAD013111687

Shipment Date: 19960717
Creation Date: 12/4/1997 0:00:00
Receipt Date: 19960801
Manifest ID: 96070850
Trans EPA ID: CAD982434037
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: ORD981766124
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: H01 - Transfer Station
Quantity Tons: 0.024
Waste Quantity: 48
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAD013111687

Shipment Date: 20091106
Creation Date: 2/3/2010 18:30:08
Receipt Date: 20091123
Manifest ID: 000822083GBF
Trans EPA ID: CAD088838222
Trans Name: BAYSIDE OIL II, INC
Trans 2 EPA ID: CAD028277036
Trans 2 Name: ASBURY ENVIRONMENTAL
TSDF EPA ID: CAD097030993
Trans Name: SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Additional Info:

| | |
|---|---|
| Year: | 2007 |
| Gen EPA ID: | CAD013111687 |
| Shipment Date: | 20071213 |
| Creation Date: | 3/12/2008 18:30:10 |
| Receipt Date: | 20071228 |
| Manifest ID: | 002037950JJK |
| Trans EPA ID: | CAR000009910 |
| Trans Name: | CALIFORNIA ENVIRONMENTAL & LITHO |
| Trans 2 EPA ID: | CAD982444481 |
| Trans 2 Name: | FILTER RECYCLING SERVICES |
| TSDF EPA ID: | CAD028409019 |
| Trans Name: | CROSBY AND OVERTON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.025 |
| Waste Quantity: | 50 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20071213 |
| Creation Date: | 3/8/2008 18:30:20 |
| Receipt Date: | 20071231 |
| Manifest ID: | 002037947JJK |
| Trans EPA ID: | CAR000009910 |
| Trans Name: | CALIFORNIA ENVIRONMENTAL& LITHO |
| Trans 2 EPA ID: | CAD028277036 |
| Trans 2 Name: | ASBURY ENVIRONMENTAL SERVICES |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20071213 |
| Creation Date: | 3/8/2008 18:30:14 |
| Receipt Date: | 20080103 |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Manifest ID: | 002037946JJK |
| Trans EPA ID: | CAR000009910 |
| Trans Name: | CALIFORNIA ENVIRONMENTAL & LITHO |
| Trans 2 EPA ID: | CAD028277036 |
| Trans 2 Name: | ASBURY ENVIRONMENTAL SERVICES |
| TSDF EPA ID: | CAD097030993 |
| Trans Name: | SIEMENS WATER TECHNOLOGIES CORP |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.147 |
| Waste Quantity: | 35 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20071213 |
| Creation Date: | 3/8/2008 18:30:20 |
| Receipt Date: | 20071231 |
| Manifest ID: | 002037947JJK |
| Trans EPA ID: | CAR000009910 |
| Trans Name: | CALIFORNIA ENVIRONMENTAL& LITHO |
| Trans 2 EPA ID: | CAD028277036 |
| Trans 2 Name: | ASBURY ENVIRONMENTAL SERVICES |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.036 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20071213 |
| Creation Date: | 3/8/2008 18:30:14 |
| Receipt Date: | 20080103 |
| Manifest ID: | 002037944JJK |
| Trans EPA ID: | CAR000009910 |
| Trans Name: | CALIFORNIA ENVIRONMENTAL & LITHO |
| Trans 2 EPA ID: | CAD028277036 |
| Trans 2 Name: | ASBURY ENVIRONMENTAL SERVICES |
| TSDF EPA ID: | CAD097030993 |
| Trans Name: | SIEMENS WATER TECHNOLOGIES CORP |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.084
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071213
Creation Date: 3/8/2008 18:30:14
Receipt Date: 20080103
Manifest ID: 002037944JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAD028277036
Trans 2 Name: ASBURY ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD097030993
Trans Name: SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.418
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071213
Creation Date: 3/8/2008 18:30:14
Receipt Date: 20080103
Manifest ID: 002037944JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAD028277036
Trans 2 Name: ASBURY ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD097030993
Trans Name: SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.147





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071213
Creation Date: 3/8/2008 18:30:14
Receipt Date: 20080103
Manifest ID: 002037944JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAD028277036
Trans 2 Name: ASBURY ENVIRONMENTAL SERVICES
TSDF EPA ID: CAD097030993
Trans Name: SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071112
Creation Date: 2/29/2008 18:30:38
Receipt Date: 20071113
Manifest ID: 000422113JJK
Trans EPA ID: CAD072953771
Trans Name: UNITED PUMPING SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 20.16
Waste Quantity: 4800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Shipment Date: | 20071110 |
| Creation Date: | 8/9/2012 22:15:10 |
| Receipt Date: | Not reported |
| Manifest ID: | 002466278JJK |
| Trans EPA ID: | CAD072963771 |
| Trans Name: | UNITED PUMPING SERVICE INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD980887418 |
| Trans Name: | EVERGREEN OIL INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 20.16 |
| Waste Quantity: | 4800 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAD013111687 |

| | |
|---|---|
| Shipment Date: | 19981217 |
| Creation Date: | 2/26/1999 0:00:00 |
| Receipt Date: | 19981217 |
| Manifest ID: | 98428848 |
| Trans EPA ID: | SCD987574647 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1 |
| Waste Quantity: | 200 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19981217 |
| Creation Date: | 2/26/1999 0:00:00 |
| Receipt Date: | 19981217 |
| Manifest ID: | 98428848 |
| Trans EPA ID: | SCD987574647 |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | D99 - Disposal, Other |
| Quantity Tons: | 0.187 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19981217 |
| Creation Date: | 2/26/1999 0:00:00 |
| Receipt Date: | 19981217 |
| Manifest ID: | 98428848 |
| Trans EPA ID: | SCD987574647 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 491 - Unspecified sludge waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.688 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19980901 |
| Creation Date: | 11/24/1998 0:00:00 |
| Receipt Date: | 19980901 |
| Manifest ID: | 98432219 |
| Trans EPA ID: | CAD000083121 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 491 - Unspecified sludge waste |
| RCRA Code: | D011 |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.688 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980901 |
| Creation Date: | 11/24/1998 0:00:00 |
| Receipt Date: | 19980901 |
| Manifest ID: | 98432219 |
| Trans EPA ID: | CAD000083121 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.187 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980901 |
| Creation Date: | 11/24/1998 0:00:00 |
| Receipt Date: | 19980901 |
| Manifest ID: | 98432219 |
| Trans EPA ID: | CAD000083121 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Shipment Date: | 19980901 |
| Creation Date: | 11/24/1998 0:00:00 |
| Receipt Date: | 19980901 |
| Manifest ID: | 98432219 |
| Trans EPA ID: | CAD000083121 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | D99 - Disposal, Other |
| Quantity Tons: | 0.187 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980528 |
| Creation Date: | 8/3/1998 0:00:00 |
| Receipt Date: | 19980528 |
| Manifest ID: | 98104750 |
| Trans EPA ID: | CAD063547996 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 491 - Unspecified sludge waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19980528 |
| Creation Date: | 8/3/1998 0:00:00 |
| Receipt Date: | 19980528 |
| Manifest ID: | 98104750 |
| Trans EPA ID: | CAD063547996 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Trans Name: Not reported
TSDF Alt EPA ID: CAD059494310
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.1225
Waste Quantity: 245
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980528
Creation Date: 8/3/1998 0:00:00
Receipt Date: 19980528
Manifest ID: 98104750
Trans EPA ID: CAD063547996
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD059494310
Trans Name: Not reported
TSDF Alt EPA ID: CAD059494310
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D99 - Disposal, Other
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD013111687

Shipment Date: 19931110
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931111
Manifest ID: 93047295
Trans EPA ID: CAD982434037
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD070148432
Trans Name: Not reported
TSDF Alt EPA ID: CAD070148432
TSDF Alt Name: Not reported
Waste Code Description: 171 - Metal sludge (see 121
RCRA Code: D011





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Meth Code: T03 - Treatment, Incineration
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1995
Gen EPA ID: CAD013111687

Shipment Date: 19951117
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951122
Manifest ID: 93462694
Trans EPA ID: CAD982492399
Trans Name: Not reported
Trans 2 EPA ID: CAD982492399
Trans 2 Name: Not reported
TSDF EPA ID: AZD982465866
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 261 - Not reported
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.3581
Waste Quantity: 325
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19951117
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951121
Manifest ID: 93462695
Trans EPA ID: CAD982492399
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000027741
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19950217 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950220 |
| Manifest ID: | 93416889 |
| Trans EPA ID: | CAD982434037 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD070148432 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 171 - Metal sludge (see 121 |
| RCRA Code: | D011 |
| Meth Code: | T03 - Treatment, Incineration |
| Quantity Tons: | 0.0225 |
| Waste Quantity: | 45 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

NPDES:

| | |
|---|---|
| Name: | SANTA CRUZ SENTINEL |
| Address: | 207 CHURCH ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Status: | Not reported |
| NPDES Number: | Not reported |
| Region: | Not reported |
| Agency Number: | Not reported |
| Regulatory Measure ID: | Not reported |
| Place ID: | Not reported |
| Order Number: | Not reported |
| WDID: | 3 44I009293 |
| Regulatory Measure Type: | Industrial |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Discharge Address: | Not reported |
| Discharge Name: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Status: | Terminated |
| Status Date: | 11/13/1992 |
| Operator Name: | Ottaway Newspapers Inc |
| Operator Address: | PO Box 401 |
| Operator City: | Campbell Hall |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Operator State: | New York |
| Operator Zip: | 10916 |

NPDES as of 03/2018:

| | |
|---|---|
| NPDES Number: | Not reported |
| Status: | Not reported |
| Agency Number: | Not reported |
| Region: | 3 |
| Regulatory Measure ID: | 274340 |
| Order Number: | Not reported |
| Regulatory Measure Type: | Industrial |
| Place ID: | Not reported |
| WDID: | 3 44I009293 |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Not reported |
| Discharge Address: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Received Date: | 05/09/2008 |
| Processed Date: | 11/13/1992 |
| Status: | Terminated |
| Status Date: | 11/13/1992 |
| Place Size: | 2 |
| Place Size Unit: | Acres |
| Contact: | Apolinar Acevedo |
| Contact Title: | Not reported |
| Contact Phone: | 831-423-4242 |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Ottaway Newspapers Inc |
| Operator Address: | PO Box 401 |
| Operator City: | Campbell Hall |
| Operator State: | New York |
| Operator Zip: | 10916 |
| Operator Contact: | Larry Hoffman |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | 914-294-8181 |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Private Business |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | New York |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | 831-423-4242 |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| Constype Comm Line Ind: | Not reported |
| Constype Commertial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | San Lorenzo River |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | 2711-Newspapers: Publishing, or Publishing and Printing |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |

CIWQS:

| | |
|---|---|
| Name: | SANTA CRUZ SENTINEL |
| Address: | 207 CHURCH ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Agency: | Ottaway Newspapers Inc |
| Agency Address: | PO Box 401, Campbell Hall, NY 10916 |
| Place/Project Type: | Industrial - Newspapers: Publishing, or Publishing and Printing |
| SIC/NAICS: | 2711 |
| Region: | 3 |
| Program: | INDSTW |
| Regulatory Measure Status: | Terminated |
| Regulatory Measure Type: | Storm water industrial |
| Order Number: | 2014-0057-DWQ |
| WDID: | 3 44I009293 |
| NPDES Number: | CAS000001 |
| Adoption Date: | Not reported |
| Effective Date: | 11/13/1992 |
| Termination Date: | Not reported |
| Expiration/Review Date: | Not reported |
| Design Flow: | Not reported |
| Major/Minor: | Not reported |
| Complexity: | Not reported |
| TTWQ: | Not reported |
| Enforcement Actions within 5 years: | 0 |
| Violations within 5 years: | 0 |
| Latitude: | 36.97437 |
| Longitude: | -122.02768 |

CERS:

| | |
|---|---|
| Name: | CHURCH STREET LLC |
| Address: | 207 CHURCH ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 189240 |





**SANTA CRUZ SENTINEL (Continued)** **1000395003**

| | |
|---|---|
| CERS ID: | T10000001572 |
| CERS Description: | Cleanup Program Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | STEVE BAIOCCHI - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8314542754, |
| | |
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | THEA TRYON - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 805 AEROVISTA PLACE, SUITE 101 |
| Affiliation City: | SAN LUIS OBSIPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

HWTS:

| | |
|---|---|
| Name: | SANTA CRUZ SENTINEL |
| Address: | 207 CHURCH ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| EPA ID: | CAD013111687 |
| Inactive Date: | 06/30/2009 |
| Create Date: | 04/10/1987 |
| Last Act Date: | 03/24/2011 |
| Mailing Name: | Not reported |
| Mailing Address: | 1800 GREEN HILLS RD STE 210 |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SCOTTS VALLEY, CA 950664985 |
| Owner Name: | OTTAWAY NEWSPAPERS INC |
| Owner Address: | 750 RIDDER PARK DR |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SAN JOSE, CA 951900000 |
| Contact Name: | MIKE BLAESSER / DIR OF OPTNS |
| Contact Address: | 750 RIDDER PARK DR |
| Contact Address 2: | Not reported |
| City,State,Zip: | SAN JOSE, CA 951900000 |

NAICS:

| | |
|---|---|
| EPA ID: | CAD013111687 |
| Create Date: | 2002-03-14 16:36:26.000 |
| NAICS Code: | 51111 |
| NAICS Description: | Newspaper Publishers |
| Issued EPA ID Date: | 1987-04-10 00:00:00 |
| Inactive Date: | 2009-06-30 00:00:00 |
| Facility Name: | SANTA CRUZ SENTINEL |
| Facility Address: | 207 CHURCH ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |

**SANTA CRUZ SENTINEL (Continued)** **1000395003**

Facility County: Not reported
Facility State: CA
Facility Zip: 950600000

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**J49 WNW 1/8-1/4 0.142 mi. 750 ft.** **PACIFIC BELL** **RCRA NonGen / NLR** **1000251265**
**224 WALNUT AVENUE** **FINDS** **CAT080021041**
**SANTA CRUZ, CA 95060** **ECHO**

**Site 5 of 6 in cluster J**

**Relative: Higher**
**Actual: 21 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 19970922 |
| Handler Name: | PACIFIC BELL |
| Handler Address: | 224 WALNUT AVENUE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAT080021041 |
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | 224 WALNUT AVENUE |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 408-491-6029 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 2 NORTH SECOND ST ROOM 1125 |
| Mailing City,State,Zip: | SAN JOSE, CA 95113 |
| Owner Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |





**PACIFIC BELL (Continued)** **1000251265**

| | |
|---|---|
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |

**PACIFIC BELL (Continued)** **1000251265**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19810119
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19970922
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found





**PACIFIC BELL (Continued)** **1000251265**

FINDS:
Registry ID: 110002949686

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000251265
Registry ID: 110002949686
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002949686
Name: PACIFIC BELL
Address: 224 WALNUT AVENUE
City,State,Zip: SANTA CRUZ, CA 95060

---

**M50** **TRADER JOES 193** **RCRA NonGen / NLR** **1024866890**
**NNE** **700 FRONT ST** **CAL000435481**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.149 mi.**
**787 ft.** **Site 3 of 5 in cluster M**

**Relative:**
**Lower**

**Actual:**
**11 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20180430
Handler Name: TRADER JOES 193
Handler Address: 700 FRONT ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000435481
Contact Name: TRADER JOES FACILITIES DEPT
Contact Address: PO BOX 5049
Contact City,State,Zip: MONROVIA, CA 91016
Contact Telephone: 626-803-5207
Contact Fax: 626-599-2923
Contact Email: FACILITIESDEPARTMENT@TRADERJOES.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 5049
Mailing City,State,Zip: MONROVIA, CA 91016
Owner Name: TRADER JOES COMPANY
Owner Type: Other
Operator Name: TRADER JOES FACILITIES DEPT
Operator Type: Other

**TRADER JOES 193 (Continued)** **1024866890**

| | |
|---|---|
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180907 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |





**TRADER JOES 193 (Continued)** **1024866890**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | TRADER JOES FACILITIES DEPT |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 5049 |
| Owner/Operator City,State,Zip: | MONROVIA, CA 91016 |
| Owner/Operator Telephone: | 626-803-5207 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | TRADER JOES COMPANY |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 5049 |
| Owner/Operator City,State,Zip: | MONROVIA, CA 91016 |
| Owner/Operator Telephone: | 626-803-5207 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20180430 |
| Handler Name: TRADER JOES 193 | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 445110 |
| NAICS Description: | SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**M51 NNE 1/8-1/4 0.149 mi. 787 ft.** | **TRADER JOE'S #193** | **CERS HAZ WASTE** | **S121781525**
**700 FRONT ST** | **CERS** | **N/A**
**SANTA CRUZ, CA 95060**

**Site 4 of 5 in cluster M**

**Relative: Lower**
**Actual: 11 ft.**

CERS HAZ WASTE:
Name: TRADER JOE'S #193
Address: 700 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 423466
CERS ID: 10738039
CERS Description: Hazardous Waste Generator

CERS:
Name: TRADER JOE'S #193
Address: 700 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 423466
CERS ID: 10738039
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 423466
Site Name: Trader Joe's #193
Violation Date: 05-20-2019
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description: Failure to inspect weekly, areas where hazardous waste containers are stored or transferred. The owner or operator shall look for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors.
Violation Notes: All hazardous waste storage areas are not being inspected, and logged, on a weekly basis. Log weekly inspections of all hazardous waste storage areas.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 423466
Site Name: Trader Joe's #193
Violation Date: 05-20-2019
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes: OBSERVATION: The business failed to have the hazardous material business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training. CORRECTIVE ACTION: Provide a readily available business plan to personnel of the business or the unified program facility with responsibilities for emergency response or training. Document that appropriate personnel have the business plan readily availible.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 423466





**TRADER JOE'S #193 (Continued)** | **S121781525**

Site Name: Trader Joe's #193
Violation Date: 05-20-2019
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes: OBSERVATION: As demonstrated by the number and type of hazardous waste violations observed at the time of inspection, personnel are not adequately trained to perform their duties in a way that ensures the facility's compliance with hazardous waste laws and regulations, and/or employee training records have not been kept or do not contain all required information. CORRECTIVE ACTION: Conduct training with applicable personnel and document it according to the requirements of 22 CCR 15 66265.16(d). Submit a copy of the documentation to the CUPA.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 423466
Site Name: Trader Joe's #193
Violation Date: 05-20-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Hazardous Material Inventory submitted does not include a listing of hazardous waste stored on site prior to disposal. Please use your existing inventory, or information from hazardous waste manifests, to estimate the type and quanity of hazardous waste typically stored on site.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 05-20-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency

**TRADER JOE'S #193 (Continued)** **S121781525**

Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-20-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERs submitted 2/2019. Needs Hazardous Waste Inventory. Permit current. Complete the hazardous material /waste inventory statement to include the hazardous waste stored at the site prior to disposal. Maintain a copy of the hazardous material business plan available on-site, or on-line, at all times. Post emergency procedures and numbers in all areas where hazardous materials or wastes are stored. Log weekly inspections of hazardous waste storage areas. Properly train all employees involved in hazardous waste management on a yearly basis, and document the training in a training log.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 423466
Facility Name: Trader Joe's #193
Env Int Type Code: HMBP
Program ID: 10738039
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.974640
Longitude: -122.025140

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 8000
Affiliation City: Monsey
Affiliation State: NY
Affiliation Country: Not reported
Affiliation Zip: 10952
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Greg Paquet
Entity Title: Director of Facilities





**TRADER JOE'S #193 (Continued)** **S121781525**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Tim Rumble
Entity Title: Not reported
Affiliation Address: P.O. Box 5049
Affiliation City: Monrovia
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91017
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Trader Joe's Company
Entity Title: Not reported
Affiliation Address: P.O. Box 8000
Affiliation City: Monsey
Affiliation State: NY
Affiliation Country: United States
Affiliation Zip: 10952
Affiliation Phone: (626) 599-3700,

Affiliation Type Desc: Operator
Entity Name: Trader Joe's Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 599-3700,

Affiliation Type Desc: Parent Corporation
Entity Name: TRADER JOE'S
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

**M52 NNE 1/8-1/4 0.150 mi. 794 ft.** | **SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWAL**
**698-720 FRONT STREET**
**SANTA CRUZ, CA 95060**
**Site 5 of 5 in cluster M**

**LUST Cortese CERS** | **S106916216 N/A**

**Relative: Lower**
**Actual: 11 ft.**

LUST:

| | |
|---|---|
| Name: | SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) |
| Address: | 698-720 FRONT STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608733888 |
| Global Id: | T0608733888 |
| Latitude: | 36.9746839696033 |
| Longitude: | -122.024910449982 |
| Status: | Completed - Case Closed |
| Status Date: | 03/08/2013 |
| Case Worker: | TAS |
| RB Case Number: | 1233 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | Regional Board |
| Local Case Number: | RO0000209 |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Heating Oil / Fuel Oil, Gasoline |
| Site History: | Quarterly Monitoring and Sampling, off-site assessment required, geophysical survey issued 5/9/07. The site is located at 698-720 Front Street in Santa Cruz and is currently a shopping center. There are no USTs at the subject site. In 1960, all structures and roadways in the area of the shopping center were removed. Reportedly, the grading contractor removed the several USTs and filled the excavations with sand and construction debris debrisprior to the construction of the current facility during the 1960s. No records of tank or soil removals have been found for this time period. In 2002, Schutze & Associates, Inc. drilled nineteen borings in the northern portion of the site. Total Petroleum Hydrocarbons (TPH) was detected in soil at concentrations of up to 1.5 milligrams per kilogram (mg/kg). Benzene, Methyl tert-butyl ether (MTBE) and all other gasoline constituents were not detected in the soil. Fuel fingerprinting identified the hydrocarbons as altered, degraded, and weathered kerosene. In February of 2010, approximately 675 pounds (dry weight) of Oxygen Release Compound Advanced# (ORCA) was hydrated and injected beneath the site. The purpose of the injections was to accelerate the natural attenuation of petroleum hydrocarbon concentrations detected in groundwater at the site. Groundwater monitoring began in 2004 following installation of 6 monitoring wells. Three additional monitoring wells were installed in 2006. A total of nine monitoring wells were installed in the area of the Northern Plume. Since monitoring began, groundwater samples have been analyzed for all petroleum hydrocarbon constituents. The maximum TPH concentration detected was 44,000 micrograms per liter ("g/L). Quarterly monitoring has demonstrated that all contaminant concentrations, including TPH, are now below cleanup goals. Groundwater flow is typically towards the southeast, but it does fluctuate seasonally. Groundwater levels range from 9 feet to 19 feet beneath ground surface (bgs). The San Lorenzo River is located across River Street immediately off-site. There are no drinking water wells within a \\%-mile radius of the site. The site lies within the San Lorenzo Hydrologic Unit (304.12). The Water Quality Control Plan, |





**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

Central Coast Region (Basin Plan) designates groundwater in this Hydrologic Unit as having beneficial uses for domestic and municipal supply, agricultural supply, and industrial supply. Our recommendation for closure is based on the following: 1. The extent of the release has been adequately characterized, 2. The soil contaminant source was removed from the site to the extent practical, and the remaining soil contaminants above the cleanup goal are limited in extent, 3. The data indicate that all groundwater monitoring results for the wells associated with the subject site were below cleanup goals for total petroleum hydrocarbons as gasoline (TPH-g), as diesel (TPH-d), as kerosene (TPH-k), benzene, toluene, ethylbenzene, xylenes, MTBE and tert-butyl alcohol (TBA). No gasoline constituents have been detected above the cleanup goals in groundwater monitoring wells since 2010, 4. No drinking water supply wells are within a \\%-mile radius of the site, 5. Closure is consistent with Section III.G. State Board Resolution No. 92-49, allowing consideration of cost effective abatement measures for a site where attainment of reasonable objectives less stringent than background water quality does not unreasonably affect present or anticipated beneficial uses of groundwater. Residual soil and groundwater contamination may still exist on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or de-watering. The Central Coast Water Board, Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. The levels of residual contamination and any associated risks are expected to reduce with time.

LUST:

| | |
|---|---|
| Global Id: | T0608733888 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608733888 |
| Action Type: | ENFORCEMENT |
| Date: | 05/09/2007 |
| Action: | Technical Correspondence / Assistance / Other |
| Global Id: | T0608733888 |
| Action Type: | Other |
| Date: | 01/24/2004 |
| Action: | Leak Began |
| Global Id: | T0608733888 |
| Action Type: | RESPONSE |
| Date: | 04/20/2010 |
| Action: | Monitoring Report - Semi-Annually |

**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

Global Id: T0608733888
Action Type: RESPONSE
Date: 12/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 12/06/2005
Action: Staff Letter

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 03/06/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 03/15/2007
Action: Soil and Water Investigation Report

Global Id: T0608733888
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 11/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE





**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 03/20/2006
Action: Soil and Water Investigation Workplan

Global Id: T0608733888
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608733888
Action Type: RESPONSE
Date: 03/15/2013
Action: Well Destruction Report

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 11/23/2004
Action: 13267 Monitoring Program

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 01/20/2005
Action: Staff Letter

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 03/08/2013
Action: Closure/No Further Action Letter

Global Id: T0608733888
Action Type: RESPONSE
Date: 08/15/2009
Action: Interim Remedial Action Report

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2010
Action: CAP/RAP - Other Report

Global Id: T0608733888
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 11/30/2005
Action: Soil and Water Investigation Workplan

**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2005
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 04/06/2005
Action: Staff Letter

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 06/10/2008
Action: 13267 Monitoring Program

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 04/17/2012
Action: 13267 Requirement

Global Id: T0608733888
Action Type: Other
Date: 07/25/2004
Action: Leak Discovery

Global Id: T0608733888
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608733888
Action Type: RESPONSE
Date: 11/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: ENFORCEMENT





**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

Date: 01/26/2006
Action: Staff Letter

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 06/22/2009
Action: 13267 Requirement

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 10/20/2009
Action: 13267 Requirement

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 03/07/2008
Action: Staff Letter

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 11/06/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 03/06/2012
Action: Notification - Fee Title Owners Notice

Global Id: T0608733888
Action Type: ENFORCEMENT
Date: 05/03/2012
Action: Notification - Fee Title Owners Notice

Global Id: T0608733888
Action Type: Other
Date: 01/24/2005
Action: Leak Reported

Global Id: T0608733888
Action Type: RESPONSE
Date: 08/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608733888
Action Type: REMEDIATION
Date: 02/15/2010
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0608733888
Action Type: REMEDIATION
Date: 01/13/2008
Action: Free Product Removal

**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

LUST:

| | |
|---|---|
| Global Id: | T0608733888 |
| Status: | Open - Case Begin Date |
| Status Date: | 01/24/2004 |
| Global Id: | T0608733888 |
| Status: | Open - Site Assessment |
| Status Date: | 07/24/2004 |
| Global Id: | T0608733888 |
| Status: | Open - Site Assessment |
| Status Date: | 01/24/2005 |
| Global Id: | T0608733888 |
| Status: | Open - Verification Monitoring |
| Status Date: | 04/05/2005 |
| Global Id: | T0608733888 |
| Status: | Open - Site Assessment |
| Status Date: | 12/02/2005 |
| Global Id: | T0608733888 |
| Status: | Open - Site Assessment |
| Status Date: | 01/23/2006 |
| Global Id: | T0608733888 |
| Status: | Open - Site Assessment |
| Status Date: | 05/09/2007 |
| Global Id: | T0608733888 |
| Status: | Open - Remediation |
| Status Date: | 02/15/2010 |
| Global Id: | T0608733888 |
| Status: | Open - Eligible for Closure |
| Status Date: | 04/17/2012 |
| Global Id: | T0608733888 |
| Status: | Completed - Case Closed |
| Status Date: | 03/08/2013 |

CORTESE:

| | |
|---|---|
| Name: | SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) |
| Address: | 698-720 FRONT STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608733888 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |





**SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) (Continued)** **S106916216**

| | |
|---|---|
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

CERS:

| | |
|---|---|
| Name: | SAN LORENZO PARK PLAZA ( NORTHERN PLUME) (RIVERWALK PLAZA) |
| Address: | 698-720 FRONT STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 216885 |
| CERS ID: | T0608733888 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | SCOTT CARSON - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

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**K53** **ALAN HEIT, DDS INC** **RCRA NonGen / NLR** **1024790980**
**NNW** **903 CEDAR ST** **CAL000095732**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.154 mi.**
**813 ft.** **Site 4 of 4 in cluster K**

**Relative:**
**Higher**

**Actual:**
**18 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 19930722 |
| Handler Name: | ALAN HEIT, DDS INC | |
| Handler Address: | | 903 CEDAR ST |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060-0000 |
| EPA ID: | | CAL000095732 |
| Contact Name: | | JESSICA HEIT JACKSON-SCOTT, DDS |
| Contact Address: | | 903 CEDAR ST |
| Contact City,State,Zip: | | SANTA CRUZ, CA 95060 |
| Contact Telephone: | | 831-423-3364 |

**ALAN HEIT, DDS INC (Continued)** **1024790980**

| | |
|---|---|
| Contact Fax: | 000-000-0000 |
| Contact Email: | OFFICE@HEITFAMILYDENTISTRY.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 903 CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner Name: | JESSICA HEIT JACKSON-SCOTT |
| Owner Type: | Other |
| Operator Name: | JESSICA HEIT JACKSON-SCOTT, DDS |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |





**ALAN HEIT, DDS INC (Continued)** **1024790980**

| | |
|---|---|
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JESSICA HEIT JACKSON-SCOTT |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 903 CEDAR ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-3801 |
| Owner/Operator Telephone: | 408-423-3364 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JESSICA HEIT JACKSON-SCOTT, DDS |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 903 CEDAR ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-3364 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19930722 |
| Handler Name: ALAN HEIT, DDS INC | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**ALAN HEIT, DDS INC (Continued)** **1024790980**

List of NAICS Codes and Descriptions:
NAICS Code: 62121
NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**J54 NW 1/8-1/4 0.160 mi. 846 ft.** **CITY OF SANTA CRUZ** **RCRA NonGen / NLR** **1026813983**
**307 CHURCH ST** **CAC003126578**
**SANTA CRUZ, CA 95060**

**Site 6 of 6 in cluster J**

**Relative: Higher**
**Actual: 21 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 20210625 |
| Handler Name: | CITY OF SANTA CRUZ | |
| Handler Address: | | 307 CHURCH ST |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060 |
| EPA ID: | | CAC003126578 |
| Contact Name: | | DAVID GLUCS |
| Contact Address: | | 809 CENTER ST ROOM 201 |
| Contact City,State,Zip: | | SANTA CRUZ, CA 95060 |
| Contact Telephone: | | 831-420-5194 |
| Contact Fax: | | Not reported |
| Contact Email: | | DGLUCS@CITYOFSANTACRUZ.COM |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Not reported |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 1125 RIVER ST |
| Mailing City,State,Zip: | | SANTA CRUZ, CA 95060 |
| Owner Name: | | CITY OF SANTA CRUZ |
| Owner Type: | | Other |
| Operator Name: | | DAVID GLUCS |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |





**CITY OF SANTA CRUZ (Continued)** **1026813983**

| | |
|---|---|
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210630 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | DAVID GLUCS |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 809 CENTER ST ROOM 201 |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-5194 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

**CITY OF SANTA CRUZ (Continued)** **1026813983**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CITY OF SANTA CRUZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 809 CENTER ST ROOM 201
Owner/Operator City,State,Zip: SANTA CRUZ, CA 95060
Owner/Operator Telephone: 831-420-5160
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210625
Handler Name: CITY OF SANTA CRUZ
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**N55** **CALDERON TIES** **RCRA NonGen / NLR** **1024864418**
**SE** **309 FRONT ST** **CAL000432979**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.161 mi.**
**849 ft.** **Site 1 of 8 in cluster N**

**Relative:**
**Lower**
**Actual:**
**8 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20180104
Handler Name: CALDERON TIES
Handler Address: 309 FRONT ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000432979
Contact Name: ROMO CALDERON OWNER
Contact Address: 309 FRONT ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-900-8611
Contact Fax: Not reported





**CALDERON TIES (Continued)** **1024864418**

Contact Email: ROMOVCALDERON@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 309 FRONT ST
Mailing City,State,Zip: SANTA CRUZ, CA 95060
Owner Name: ROMO CALDERON
Owner Type: Other
Operator Name: ROMO CALDERON OWNER
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A

**CALDERON TIRES (Continued)** **1024864418**

| | |
|---|---|
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180907 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | ROMO CALDERON |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 309 FRONT ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-240-3000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | ROMO CALDERON OWNER |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 309 FRONT ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-900-8611 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20180104 |
| Handler Name: CALDERON TIRES | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |





**CALDERON TIRES (Continued)** **1024864418**

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 811111 |
| NAICS Description: | GENERAL AUTOMOTIVE REPAIR |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**N56 SHELL STATION** **LUST** **S101309569**
**SSE 100 LAUREL ST** **SWEEPS UST** **N/A**
**1/8-1/4 SANTA CRUZ, CA 95060** **Cortese**
**0.170 mi.** **HIST CORTESE**
**897 ft.** **Site 2 of 8 in cluster N** **CERS**

**Relative: Lower**
**Actual: 9 ft.**

LUST:

| | |
|---|---|
| Name: | SHELL STATION |
| Address: | 100 LAUREL ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | SANTA CRUZ COUNTY |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700047 |
| Global Id: | T0608700047 |
| Latitude: | 36.969478 |
| Longitude: | -122.024129 |
| Status: | Completed - Case Closed |
| Status Date: | 05/03/1995 |
| Case Worker: | JBG |
| RB Case Number: | 2309 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | Not reported |
| Local Case Number: | Not reported |
| Potential Media Affect: | Soil |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700047 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700047 |
| Action Type: | ENFORCEMENT |
| Date: | 12/15/2004 |
| Action: | Clean Up Fund - Letter to RP |

| | |
|---|---|
| Global Id: | T0608700047 |
| Action Type: | ENFORCEMENT |

**SHELL STATION (Continued)** **S101309569**

Date: 04/07/2005
Action: Clean Up Fund - Letter to RP

Global Id: T0608700047
Action Type: ENFORCEMENT
Date: 01/10/1995
Action: Closure/No Further Action Letter

Global Id: T0608700047
Action Type: ENFORCEMENT
Date: 05/03/1995
Action: Closure/No Further Action Letter

Global Id: T0608700047
Action Type: Other
Date: 11/18/1991
Action: Leak Discovery

Global Id: T0608700047
Action Type: Other
Date: 12/28/1992
Action: Leak Reported

LUST:
Global Id: T0608700047
Status: Open - Case Begin Date
Status Date: 01/01/1975

Global Id: T0608700047
Status: Open - Site Assessment
Status Date: 01/01/1975

Global Id: T0608700047
Status: Completed - Case Closed
Status Date: 05/03/1995

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700047
Status: Preliminary site assessment workplan submitted
Case Number: 2309
Local Case Num: Not reported
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: OM
Release Date: 12/28/1992
Discovered Date: 11/18/91
Enter Date: 02/04/1993





**SHELL STATION (Continued)** **S101309569**

Stop Date: Not reported
Review Date: 03/11/1994
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: FRONT
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: 1/1/75
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9695355 / -122.0231257
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: GASOLINE DETECTED IN SOIL AND NOT IN GROUNDWATER. MONITORINGWELLS WERE BEING QUARTERLY SAMPLED PRIOR TO TANK REMOVALS. LEAK WAS DISCOVERED BY SOIL BORING AND UNAUTHORIZED RELEASE FORM SENT 12/28/92. CURRENT STATUS-QUATERLY MONITOR-3 WELLS.

SWEEPS UST:
Name: SHELL OIL COMPANY
Address: 100 LAUREL ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 5814
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported

**SHELL STATION (Continued)** **S101309569**

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-005814-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 4

Name: SHELL OIL COMPANY
Address: 100 LAUREL ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 5814
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-005814-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: SHELL OIL COMPANY
Address: 100 LAUREL ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 5814
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-005814-000003
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: PRM UNLEADED
Number Of Tanks: Not reported

Name: SHELL OIL COMPANY
Address: 100 LAUREL ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 5814





**SHELL STATION (Continued)** **S101309569**

Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-005814-000004
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

CORTESE:
Name: SHELL STATION
Address: 100 LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700047
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: SHELL STATION
edr_fadd1: 100 LAUREL
City,State,Zip: SANTA CRUZ, CA
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 2309

CERS:
Name: SHELL STATION
Address: 100 LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 252176
CERS ID: T0608700047

**SHELL STATION (Continued)** **S101309569**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**O57 NNW 1/8-1/4 0.172 mi. 910 ft.** **SENTINEL PRINTERS** **Cortese** **S113066022**
**912 CEDAR ST** **HAZNET** **N/A**
**SANTA CRUZ, CA 95060** **HWTS**

**Site 1 of 7 in cluster O**

**Relative: Higher**
**Actual: 18 ft.**

CORTESE:

Name: SENTINEL PRINTERS
Address: 912 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000003100
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:

Name: SENTINEL PRINTERS





**SENTINEL PRINTERS (Continued)** **S113066022**

Address: 912 CEDAR ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950603802
Contact: GONG LIN
Telephone: 8314232198
Mailing Name: Not reported
Mailing Address: 221 MAJORS ST

Year: 2012
Gepaid: CAL000115766
TSD EPA ID: TXD077603371
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2004
Gepaid: CAL000115766
TSD EPA ID: CA0000084517
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H01 - Transfer Station
Tons: 0.4587

Year: 2003
Gepaid: CAL000115766
TSD EPA ID: CA0000084517
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H01 - Transfer Station
Tons: 0.22935

Year: 2002
Gepaid: CAL000115766
TSD EPA ID: CA0000084517
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H01 - Transfer Station
Tons: 0.688

Year: 2001
Gepaid: CAL000115766
TSD EPA ID: CA0000084517
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H01 - Transfer Station
Tons: 0.4587

Year: 1999
Gepaid: CAL000115766
TSD EPA ID: CA0000084517
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H01 - Transfer Station
Tons: 0.1251

Year: 1999
Gepaid: CAL000115766
TSD EPA ID: CAD982444481
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H01 - Transfer Station
Tons: 0.15

**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Year: | 1998 |
| Gepaid: | CAL000115766 |
| TSD EPA ID: | CA0000084517 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.2502 |

Additional Info:

| | |
|---|---|
| Year: | 2002 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 20020912 |
| Creation Date: | 1/28/2003 18:31:46 |
| Receipt Date: | 20020917 |
| Manifest ID: | 21971197 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20020517 |
| Creation Date: | 7/19/2002 15:54:46 |
| Receipt Date: | 20020522 |
| Manifest ID: | 21797349 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |





**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20020124 |
| Creation Date: | 3/7/2002 0:00:00 |
| Receipt Date: | 20020129 |
| Manifest ID: | 21478503 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2293 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2004 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 20040325 |
| Creation Date: | 10/14/2004 7:49:48 |
| Receipt Date: | 20040330 |
| Manifest ID: | 23340963 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 19981007 |
| Creation Date: | 12/7/1998 0:00:00 |
| Receipt Date: | 19981013 |
| Manifest ID: | 98285846 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19980422 |
| Creation Date: | 6/26/1998 0:00:00 |
| Receipt Date: | 19980428 |
| Manifest ID: | 98006003 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2003 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 20030515 |
| Creation Date: | 6/23/2004 9:59:25 |





**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Receipt Date: | 20030521 |
| Manifest ID: | 22312821 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CA0000084517 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 19990507 |
| Creation Date: | 7/30/1999 0:00:00 |
| Receipt Date: | 19990524 |
| Manifest ID: | 98459965 |
| Trans EPA ID: | CAD003963592 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | CAT080013428 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982444481 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 241 - Tank bottom waste 251 Still bottoms with halogenated organics |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19990324 |
| Creation Date: | 5/17/1999 0:00:00 |
| Receipt Date: | 19990329 |
| Manifest ID: | 98877474 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCD987574647 |

**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2012 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 20120216 |
| Creation Date: | 8/22/2012 22:15:14 |
| Receipt Date: | 20120305 |
| Manifest ID: | 003136373SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT |
| TSDF EPA ID: | TXD077603371 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 2001 |
| Gen EPA ID: | CAL000115766 |
| Shipment Date: | 20010706 |
| Creation Date: | 8/24/2001 0:00:00 |
| Receipt Date: | 20010710 |
| Manifest ID: | 20998498 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |





**SENTINEL PRINTERS (Continued)** **S113066022**

| | |
|---|---|
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

HWTS:

| | |
|---|---|
| Name: | SENTINEL PRINTERS |
| Address: | 912 CEDAR ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950603802 |
| EPA ID: | CAL000115766 |
| Inactive Date: | 09/17/2009 |
| Create Date: | 03/08/1994 |
| Last Act Date: | 03/26/2014 |
| Mailing Name: | Not reported |
| Mailing Address: | 221 MAJORS ST |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950603802 |
| Owner Name: | GONG LIN |
| Owner Address: | 221 MAJORS ST |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact Name: | GONG LIN |
| Contact Address: | 912 CEDAR ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950603802 |

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**O58** **SENTINEL PRINTERS** **LUST** **S103987394**
**NNW** **912 CEDAR ST** **CERS** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.172 mi.**
**910 ft.** **Site 2 of 7 in cluster O**

**Relative:**
**Higher**

**Actual:**
**18 ft.**

LUST:

| | |
|---|---|
| Name: | SENTINEL PRINTERS |
| Address: | 912 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | SANTA CRUZ COUNTY |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000003100 |
| Global Id: | T10000003100 |
| Latitude: | 36.9748868 |
| Longitude: | -122.0276138 |
| Status: | Completed - Case Closed |

**SENTINEL PRINTERS (Continued)** **S103987394**

Status Date: 02/20/2007
Case Worker: JBG
RB Case Number: Not reported
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: RO0000228
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000003100
Action Type: ENFORCEMENT
Date: 05/30/2006
Action: Closure/No Further Action Letter

Global Id: T10000003100
Action Type: ENFORCEMENT
Date: 02/20/2007
Action: Closure/No Further Action Letter

Global Id: T10000003100
Action Type: Other
Date: 08/08/2006
Action: Leak Stopped

Global Id: T10000003100
Action Type: ENFORCEMENT
Date: 08/08/2006
Action: Unauthorized Release Form

Global Id: T10000003100
Action Type: Other
Date: 04/13/2006
Action: Leak Discovery

Global Id: T10000003100
Action Type: Other
Date: 08/08/2006
Action: Leak Reported

Global Id: T10000003100
Action Type: RESPONSE
Date: 01/04/2007
Action: Preliminary Site Assessment Report

LUST:
Global Id: T10000003100
Status: Open - Case Begin Date
Status Date: 04/13/2006

Global Id: T10000003100
Status: Completed - Case Closed
Status Date: 02/20/2007





**SENTINEL PRINTERS (Continued)** **S103987394**

CERS:
Name: SENTINEL PRINTERS
Address: 912 CEDAR ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 213572
CERS ID: T10000003100
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**O59**
**NNW**
**1/8-1/4**
**0.172 mi.**
**910 ft.**

**MEHDI SHMIRZA** **RCRA NonGen / NLR** **1026046776**
**912 CEDAR STREET** **CAC003053282**
**SANTA CRUZ, CA 95062**

**Site 3 of 7 in cluster O**

**Relative:**
**Higher**

**Actual:**
**18 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20200128
Handler Name: MEHDI SHMIRZA
Handler Address: 912 CEDAR STREET
Handler City,State,Zip: SANTA CRUZ, CA 95062-2031
EPA ID: CAC003053282
Contact Name: MIKE FORT
Contact Address: 912 CEDAR STREET
Contact City,State,Zip: SANTA CRUZ, CA 95062-2031
Contact Telephone: 831-334-0125
Contact Fax: Not reported
Contact Email: MIKE@MESS-CLEANUP.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 912 CEDAR STREET
Mailing City,State,Zip: SANTA CRUZ, CA 95062-2031
Owner Name: MEHDI SHMIRZA
Owner Type: Other
Operator Name: MIKE FORT
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

**MEHDI SHMIRZA (Continued)** **1026046776**

| | |
|---|---|
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20200210 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MEHDI SHMIRZA |
| Legal Status: | Other |





**MEHDI SHMIRZA (Continued)** **1026046776**

| | |
|---|---|
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 912 CEDAR STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95062-2031 |
| Owner/Operator Telephone: | 408-857-1813 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MIKE FORT |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 912 CEDAR STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95062-2031 |
| Owner/Operator Telephone: | 831-334-0125 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20200128 |
| Handler Name: MEHDI SHMIRZA | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**60 WSW 1/8-1/4 0.178 mi. 938 ft.** | **SEANA MALLEN** | **RCRA NonGen / NLR** | **1026806347**
**326 CHESTNUT STREET** | **CAC003118564**
**SANTA CRUZ, CA 95060**

**Relative: Higher**
**Actual: 22 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20210507 |
| Handler Name: | SEANA MALLEN |
| Handler Address: | 326 CHESTNUT STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003118564 |
| Contact Name: | SEANA MALLEN |
| Contact Address: | 326 CHESTNUT STREET |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 778-762-1063 |
| Contact Fax: | Not reported |
| Contact Email: | SEANAMERCEDES@GMAIL.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 326 CHESTNUT STREET |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | SEANA MALLEN |
| Owner Type: | Other |
| Operator Name: | SEANA MALLEN |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |





**SEANA MALLEN (Continued)** | **1026806347**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210514 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SEANA MALLEN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 326 CHESTNUT STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-332-8136 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | SEANA MALLEN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 326 CHESTNUT STREET |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 778-762-1063 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**SEANA MALLEN (Continued)** **1026806347**

Historic Generators:
- Receive Date: 20210507
- Handler Name: SEANA MALLEN
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

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**N61 SE 1/8-1/4 0.178 mi. 940 ft.** **ANTON SANTA CRUZ, LLC** **RCRA NonGen / NLR** **1026821506**
**100 LAUREL STREET** **CAC003134423**
**SANTA CRUZ, CA 95060**

**Site 3 of 8 in cluster N**

**Relative: Lower**
**Actual: 8 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 20210813
- Handler Name: ANTON SANTA CRUZ, LLC
- Handler Address: 100 LAUREL STREET
- Handler City,State,Zip: SANTA CRUZ, CA 95060
- EPA ID: CAC003134423
- Contact Name: GARRET BORGES
- Contact Address: 1610 R STREET
- Contact City,State,Zip: SACRAMENTO, CA 95811
- Contact Telephone: 650-249-6615
- Contact Fax: Not reported
- Contact Email: RLOPEZ@PATRIOTENVIRONMENTAL.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Not a generator, verified
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Not reported
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: 1610 R STREET
- Mailing City,State,Zip: SACRAMENTO, CA 95811
- Owner Name: GARRT BORGES





**ANTON SANTA CRUZ, LLC (Continued)** **1026821506**

- Owner Type: Other
- Operator Name: GARRET BORGES
- Operator Type: Other
- Short-Term Generator Activity: No
- Importer Activity: No
- Mixed Waste Generator: No
- Transporter Activity: No
- Transfer Facility Activity: No
- Recycler Activity with Storage: No
- Small Quantity On-Site Burner Exemption: No
- Smelting Melting and Refining Furnace Exemption: No
- Underground Injection Control: No
- Off-Site Waste Receipt: No
- Universal Waste Indicator: No
- Universal Waste Destination Facility: No
- Federal Universal Waste: No
- Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site Converter Treatment storage and Disposal Facility: Not reported
- Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
- Active Site State-Reg Handler: ---
- Federal Facility Indicator: Not reported
- Hazardous Secondary Material Indicator: N
- Sub-Part K Indicator: Not reported
- Commercial TSD Indicator: No
- Treatment Storage and Disposal Type: Not reported
- 2018 GPRA Permit Baseline: Not on the Baseline
- 2018 GPRA Renewals Baseline: Not on the Baseline
- Permit Renewals Workload Universe: Not reported
- Permit Workload Universe: Not reported
- Permit Progress Universe: Not reported
- Post-Closure Workload Universe: Not reported
- Closure Workload Universe: Not reported
- 202 GPRA Corrective Action Baseline: No
- Corrective Action Workload Universe: No
- Subject to Corrective Action Universe: No
- Non-TSDFs Where RCRA CA has Been Imposed Universe: No
- TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
- TSDFs Only Subject to CA under Discretionary Auth Universe: No
- Corrective Action Priority Ranking: No NCAPS ranking
- Environmental Control Indicator: No
- Institutional Control Indicator: No
- Human Exposure Controls Indicator: N/A
- Groundwater Controls Indicator: N/A
- Operating TSDF Universe: Not reported
- Full Enforcement Universe: Not reported
- Significant Non-Complier Universe: No
- Unaddressed Significant Non-Complier Universe: No
- Addressed Significant Non-Complier Universe: No
- Significant Non-Complier With a Compliance Schedule Universe: No
- Financial Assurance Required: Not reported
- Handler Date of Last Change: 20210816
- Recognized Trader-Importer: No
- Recognized Trader-Exporter: No
- Importer of Spent Lead Acid Batteries: No
- Exporter of Spent Lead Acid Batteries: No
- Recycler Activity Without Storage: No
- Manifest Broker: No

**ANTON SANTA CRUZ, LLC (Continued)** **1026821506**

Sub-Part P Indicator: No

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GARRT BORGES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1610 R STREET |
| Owner/Operator City,State,Zip: | SACRAMENTO, CA 95811 |
| Owner/Operator Telephone: | 650-249-6615 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GARRET BORGES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1610 R STREET |
| Owner/Operator City,State,Zip: | SACRAMENTO, CA 95811 |
| Owner/Operator Telephone: | 650-249-6615 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20210813 |
| Handler Name: ANTON SANTA CRUZ, LLC | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found





**N62 ANTON SANTA CRUZ, LLC** **RCRA NonGen / NLR** **1026799048**
**SE 100 LAUREL STREET** **CAC003110860**
**1/8-1/4 SANTA CRUZ, CA 95060**
**0.178 mi.**
**940 ft.** **Site 4 of 8 in cluster N**

**Relative:**
**Lower**
**Actual:**
**8 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20210319 |
| Handler Name: ANTON SANTA CRUZ, LLC | |
| Handler Address: | 100 LAUREL STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003110860 |
| Contact Name: | GARRETT BORGES |
| Contact Address: | 1610 R STREET, SUITE 250 |
| Contact City,State,Zip: | SACRAMENTO, CA 95811 |
| Contact Telephone: | 650-249-6615 |
| Contact Fax: | Not reported |
| Contact Email: | GBORGES@ANTONDEV.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 1610 R STREET, SUITE 250 |
| Mailing City,State,Zip: | SACRAMENTO, CA 95811 |
| Owner Name: | ANTON SANTA CRUZ, LLC |
| Owner Type: | Other |
| Operator Name: | GARRETT BORGES |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |

**ANTON SANTA CRUZ, LLC (Continued)** **1026799048**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210322 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | ANTON SANTA CRUZ, LLC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1610 R STREET, SUITE 250 |
| Owner/Operator City,State,Zip: | SACRAMENTO, CA 95811 |
| Owner/Operator Telephone: | 650-249-6615 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GARRETT BORGES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1610 R STREET, SUITE 250 |
| Owner/Operator City,State,Zip: | SACRAMENTO, CA 95811 |
| Owner/Operator Telephone: | 650-249-6615 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |





**ANTON SANTA CRUZ, LLC (Continued)** **1026799048**

Historic Generators:

| | |
|---|---|
| Receive Date: | 20210319 |
| Handler Name: | ANTON SANTA CRUZ, LLC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

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**N63** **SHELL SERV STATION SANTA CRUZ** **RCRA-SQG** **1000288539**
**SE** **100 LAUREL** **FINDS** **CAD980676084**
**1/8-1/4** **SANTA CRUZ, CA 95060** **ECHO**
**0.178 mi.**
**940 ft.** **Site 5 of 8 in cluster N**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | SHELL SERV STATION SANTA CRUZ |
| Handler Address: | 100 LAUREL |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD980676084 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | PO BOX 5500 |
| Mailing City,State,Zip: | SAN BRUNO, CA 94066 |
| Owner Name: | Not reported |

**SHELL SERV STATION SANTA CRUZ (Continued)** **1000288539**

| | |
|---|---|
| Owner Type: | Not reported |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |





**SHELL SERV STATION SANTA CRUZ (Continued)** **1000288539**

| | |
|---|---|
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SHELL OIL CO |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19960901 |
| Handler Name: | SHELL SERV STATION SANTA CRUZ |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 19830105 |
| Handler Name: | SHELL SERV STATION SANTA CRUZ |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**SHELL SERV STATION SANTA CRUZ (Continued)** **1000288539**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002670565

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000288539 |
| Registry ID: | 110002670565 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002670565 |
| Name: | SHELL SERV STATION SANTA CRUZ |
| Address: | 100 LAUREL |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

---

**N64** **TERENCE L ADAMS** **HIST UST** **U001602000**
**SE** **100 LAUREL** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.178 mi.**
**940 ft.** **Site 6 of 8 in cluster N**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

HIST UST:

| | |
|---|---|
| Name: | TERENCE L ADAMS |
| Address: | 100 LAUREL |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| File Number: | 00020CC2 |
| URL: | http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020CC2.pdf |
| Region: | STATE |
| Facility ID: | 00000005814 |
| Facility Type: | Gas Station |
| Other Type: | Not reported |
| Contact Name: | TERENCE L. ADAMS |
| Telephone: | 4084239654 |
| Owner Name: | SHELL OIL COMPANY |
| Owner Address: | P.O. BOX 4848 |
| Owner City,St,Zip: | ANAHEIM, CA 92803 |
| Total Tanks: | 0003 |





**TERENCE L ADAMS (Continued)** **U001602000**

| | |
|---|---|
| Tank Num: | 001 |
| Container Num: | 1 |
| Year Installed: | Not reported |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | UNLEADED |
| Container Construction Thickness: | 1/4 |
| Leak Detection: | Stock Inventor, Groundwater Monitoring Well, 10 |
| Tank Num: | 002 |
| Container Num: | 2 |
| Year Installed: | Not reported |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | REGULAR |
| Container Construction Thickness: | 1/4 |
| Leak Detection: | Stock Inventor, Groundwater Monitoring Well, 10 |
| Tank Num: | 003 |
| Container Num: | 3 |
| Year Installed: | Not reported |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | PREMIUM |
| Container Construction Thickness: | 1/4 |
| Leak Detection: | Stock Inventor, Groundwater Monitoring Well, 10 |

Click here for Geo Tracker PDF:

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**N65** **HIGHTINGALE SHELL** **CA FID UST** **S101594717**
**SE** **100 LAUREL ST** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.178 mi.**
**940 ft.** **Site 7 of 8 in cluster N**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

CA FID UST:

| | |
|---|---|
| Facility ID: | 44000139 |
| Regulated By: | UTNKA |
| Regulated ID: | 00005814 |
| Cortese Code: | Not reported |
| SIC Code: | Not reported |
| Facility Phone: | 4089239654 |
| Mail To: | Not reported |
| Mailing Address: | P O BOX |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | SANTA CRUZ 95060 |
| Contact: | Not reported |
| Contact Phone: | Not reported |
| DUNs Number: | Not reported |
| NPDES Number: | Not reported |
| EPA ID: | Not reported |
| Comments: | Not reported |
| Status: | Active |

**O66 North 1/8-1/4 0.179 mi. 943 ft.** | **KAISER PERMANENTE SANTA CRUZ COUNTY MEDICAL OFFICE** | **RCRA NonGen / NLR** | **1024863261**
**115 LOCUST ST** | **CAL000431802**
**SANTA CRUZ, CA 95060**

**Site 4 of 7 in cluster O**

**Relative: Higher**
**Actual: 18 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20171030 |
| Handler Name: | KAISER PERMANENTE SANTA CRUZ COUNTY MEDICAL OFFICE |
| Handler Address: | 115 LOCUST ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAL000431802 |
| Contact Name: | MATTHEW SCANNELL |
| Contact Address: | 275 HOSPITAL KWY |
| Contact City,State,Zip: | SAN JOSE, CA 95119 |
| Contact Telephone: | 408-972-6110 |
| Contact Fax: | Not reported |
| Contact Email: | MATTHEW.J.SCANNELL@KP.ORG |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 275 HOSPITAL KWY |
| Mailing City,State,Zip: | SAN JOSE, CA 95119 |
| Owner Name: | KAISER FOUNDATION HEALTH PLAN INC |
| Owner Type: | Other |
| Operator Name: | MATTHEW SCANNELL |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |





**KAISER PERMANENTE SANTA CRUZ COUNTY MEDICAL OFFICE (Continued)** | **1024863261**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180907 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MATTHEW SCANNELL |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 275 HOSPITAL KWY |
| Owner/Operator City,State,Zip: | SAN JOSE, CA 95119 |
| Owner/Operator Telephone: | 408-972-6110 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | KAISER FOUNDATION HEALTH PLAN INC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | ONE KAISER PLAZA |
| Owner/Operator City,State,Zip: | OAKLAND, CA 94612 |
| Owner/Operator Telephone: | 510-625-4737 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**KAISER PERMANENTE SANTA CRUZ COUNTY MEDICAL OFFICE (Continued)** **1024863261**

Historic Generators:
- Receive Date: 20171030
- Handler Name: KAISER PERMANENTE SANTA CRUZ COUNTY MEDICAL OFFICE
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 524114
- NAICS Description: DIRECT HEALTH AND MEDICAL INSURANCE CARRIERS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

---

**O67 North 1/8-1/4 0.179 mi. 943 ft.** **KAISER PERMANENTE** **CERS HAZ WASTE** **S121778737**
**115 LOCUST ST** **CERS** **N/A**
**SANTA CRUZ, CA 95060**

**Site 5 of 7 in cluster O**

**Relative: Higher**
**Actual: 18 ft.**

CERS HAZ WASTE:
- Name: KAISER PERMANENTE
- Address: 115 LOCUST ST
- City,State,Zip: SANTA CRUZ, CA 95060
- Site ID: 412954
- CERS ID: 10717315
- CERS Description: Hazardous Waste Generator

CERS:
- Name: KAISER PERMANENTE
- Address: 115 LOCUST ST
- City,State,Zip: SANTA CRUZ, CA 95060
- Site ID: 412954
- CERS ID: 10717315
- CERS Description: Chemical Storage Facilities

Evaluation:
- Eval General Type: Other/Unknown
- Eval Date: 09-17-2019
- Violations Found: No
- Eval Type: Other, not routine, done by local agency
- Eval Notes: Site Inspection. Permit Current. CERS submitted 3/2019. OK. Post Emergency Response procedures in the Oxygen and Hazardous Waste storage areas.
- Eval Division: Santa Cruz County Environmental Health





**KAISER PERMANENTE (Continued)** **S121778737**

- Eval Program: HMRRP
- Eval Source: CERS,

- Eval General Type: Other/Unknown
- Eval Date: 09-17-2019
- Violations Found: No
- Eval Type: Other, not routine, done by local agency
- Eval Notes: Not reported
- Eval Division: Santa Cruz County Environmental Health
- Eval Program: HW
- Eval Source: CERS,

Coordinates:
- Site ID: 412954
- Facility Name: Kaiser Permanente
- Env Int Type Code: HWG
- Program ID: 10717315
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.,
- Latitude: 36.975230
- Longitude: -122.026810

Affiliation:
- Affiliation Type Desc: Legal Owner
- Entity Name: Kaiser Foundation Hospitals
- Entity Title: Not reported
- Affiliation Address: 1950 Franklin St
- Affiliation City: Oakland
- Affiliation State: CA
- Affiliation Country: United States
- Affiliation Zip: 94612
- Affiliation Phone: (510) 987-1000,

- Affiliation Type Desc: Document Preparer
- Entity Name: Melanie Matias
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

- Affiliation Type Desc: Environmental Contact
- Entity Name: Melanie Matias
- Entity Title: Not reported
- Affiliation Address: 255 International Circle
- Affiliation City: San Jose
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 95119
- Affiliation Phone: ,

- Affiliation Type Desc: Property Owner
- Entity Name: KAISER FOUNDATION HOSPITALS
- Entity Title: Not reported

**KAISER PERMANENTE (Continued)** **S121778737**

Affiliation Address: 1950 Franklin St
Affiliation City: Oakland
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94612
Affiliation Phone: (510) 987-1000,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Operator
Entity Name: Kaiser Permanente San Jose Medical Center
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (408) 972-7000,

Affiliation Type Desc: Parent Corporation
Entity Name: Kaiser Permanente San Jose Medical Center
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 275 Hospital Pkwy Suite # 835
Affiliation City: San Jose
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95119
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Melanie Matias
Entity Title: Interim Safety Operations Leader
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,





**N68 SE 1/8-1/4 0.195 mi. 1032 ft.** **S.L.R. PUMP STATION #1**
**FRONT AND LAUREL ST**
**SANTA CRUZ, CA 95060**
**CUPA Listings** **S119002684**
**CERS** **N/A**

**Site 8 of 8 in cluster N**

**Relative: Lower**
**Actual: 7 ft.**

CUPA SANTA CRUZ:
Name: S.L.R. PUMP STATION #1
Address: FRONT AND LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0003712
Cross Street: LAUREL
Description: HMMP STANDARD FORM FILING FEE

Name: S.L.R. PUMP STATION #1
Address: FRONT AND LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0003712
Cross Street: LAUREL
Description: HMMP STANDARD FORM QR 2

CERS:
Name: S.L.R. PUMP STATION #1
Address: FRONT AND LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 63692
CERS ID: 10193347
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Violation Date: 10-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/07/2018. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Violation Date: 09-27-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 10/11/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is

**S.L.R. PUMP STATION #1 (Continued)** **S119002684**

complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Violation Date: 08-26-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 08/28/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Violation Date: 03-05-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 03/17/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations found at the time of inspection. Due to COVID-19 concerns a signature was not obtained. Permission to access facility granted by Matt Bauleke, Wastewater Collection Field Crew Leader.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 10-11-2016. Annual update required. Please log onto the CERS site, review and make any changes, then submit all elements. Note a change in hazard classification as the old hazard classes are obselete, and the new federal hazard classes must be addad.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,





**S.L.R. PUMP STATION #1 (Continued)** **S119002684**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 8/27/15. Annual update overdue, and updated Emergency Response Plan required.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Site Address: FRONT AND LAUREL ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-05-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Site Address: FRONT AND LAUREL ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1

**S.L.R. PUMP STATION #1 (Continued)** **S119002684**

Site Address: FRONT AND LAUREL ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-26-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 63692
Site Name: S.L.R. PUMP STATION #1
Site Address: FRONT AND LAUREL ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 10-22-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Legal Owner
Entity Name: City Of Santa Cruz
Entity Title: Not reported
Affiliation Address: 809 CENTER ST, RM 201
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 420-5160,

Affiliation Type Desc: Parent Corporation
Entity Name: CITY OF SANTA CRUZ PUMP STATIONS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: LAURA WALDREN





**S.L.R. PUMP STATION #1 (Continued)** **S119002684**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Rome Norman
Entity Title: Not reported
Affiliation Address: 110 CALIFORNIA STREET
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Anne Hogan
Entity Title: SUPT OF WW TREATMENT FACILITY
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: City Of Santa Cruz
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 420-6036,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 110 CALIFORNIA ST
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

**O69 North 1/8-1/4 0.198 mi. 1044 ft.** | **STANDARD OIL COMPANY OF CALIFORNIA** | **ENVIROSTOR** | **S103622027**
**108 LOCUST STREET** | **N/A**
**SANTA CRUZ, CA 95060**

**Site 6 of 7 in cluster O**

**Relative: Higher**
**Actual: 18 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | STANDARD OIL COMPANY OF CALIFORNIA |
| Address: | 108 LOCUST STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44510009 |
| Status: | Refer: RWQCB |
| Status Date: | 08/18/1989 |
| Site Code: | Not reported |
| Site Type: | Historical |
| Site Type Detailed: | * Historical |
| Acres: | Not reported |
| NPL: | NO |
| Regulatory Agencies: | NONE SPECIFIED |
| Lead Agency: | NONE SPECIFIED |
| Program Manager: | Not reported |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | * Rural County Survey Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Not reported |
| Latitude: | 36.97537 |
| Longitude: | -122.0270 |
| APN: | 005-041-10 |
| Past Use: | NONE SPECIFIED |
| Potential COC: | NONE SPECIFIED |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | NONE SPECIFIED |
| Alias Name: | 005-041-10 |
| Alias Type: | APN |
| Alias Name: | 44510009 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Discovery |
| Completed Date: | 08/18/1989 |
| Comments: | FACILITY IDENTIFIED 1955 CITY DIRECTORY OIL PRODUCER AND SHIPPER |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |





**P70 South 1/8-1/4 0.202 mi. 1068 ft.** | **SANTA CRUZ MOTORSPORTS INC** | **CERS HAZ WASTE** | **S120050156**
**211 CEDAR ST** | **CUPA Listings** | **N/A**
**SANTA CRUZ, CA 95060** | **CERS**

**Site 1 of 4 in cluster P**

**Relative: Lower**
**Actual: 11 ft.**

CERS HAZ WASTE:

| | |
|---|---|
| Name: | SANTA CRUZ MOTORSPORTS INC |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 65018 |
| CERS ID: | 10193689 |
| CERS Description: | Hazardous Waste Generator |

CUPA SANTA CRUZ:

| | |
|---|---|
| Name: | SANTA CRUZ MOTORSPORTS INC |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0004544 |
| Cross Street: | LAUREL |
| Description: | HMMP STANDARD FORM QR 2 |
| Name: | SANTA CRUZ MOTORSPORTS INC |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0004544 |
| Cross Street: | LAUREL |
| Description: | HMMP STANDARD FORM FILING FEE |
| Name: | SANTA CRUZ MOTORSPORTS INC |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0004544 |
| Cross Street: | LAUREL |
| Description: | HAZARDOUS WASTE GENERATOR (HMMP STD FORM) |

CERS:

| | |
|---|---|
| Name: | SANTA CRUZ MOTORSPORTS INC |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 65018 |
| CERS ID: | 10193689 |
| CERS Description: | Chemical Storage Facilities |

Violations:

| | |
|---|---|
| Site ID: | 65018 |
| Site Name: | SANTA CRUZ MOTORSPORTS INC |
| Violation Date: | 10-08-2014 |
| Citation: | 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f) |
| Violation Description: | Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. |
| Violation Notes: | Returned to compliance on 10/13/2014. |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | HW |
| Violation Source: | CERS, |

**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Violation Date: 04-03-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 04/03/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Violation Date: 05-14-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 04/10/2020. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date. Update to show new officers, map, and chemical hazard classes.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Violation Date: 03-16-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 04/03/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Violation Date: 09-06-2013
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4,





**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 06/09/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Last CERS submitted 6/9/2014. Annual submittal overdue. Submitted this date. OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Permit current. CERS submitted 12/2018. Needs updating, map, ER plan, and obselete hazard classes deleted. ER procedures posted in the new oil area.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health

**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Site Address: 211 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-03-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection





**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Site Address: 211 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 10-08-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Site Address: 211 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-06-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 65018
Site Name: SANTA CRUZ MOTORSPORTS INC
Site Address: 211 CEDAR ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 65018
Facility Name: SANTA CRUZ MOTORSPORTS INC
Env Int Type Code: HWG
Program ID: 10193689
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 36.968404
Longitude: -122.026161

Affiliation:
Affiliation Type Desc: Legal Owner

**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Entity Name: Christopher Wells
Entity Title: Not reported
Affiliation Address: 140 Lagunita Drive
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95073
Affiliation Phone: (831) 479-9665,

Affiliation Type Desc: Environmental Contact
Entity Name: Christopher Wells
Entity Title: Not reported
Affiliation Address: 140 Lagunita Drive
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95073
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Chris Wells
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Christopher Wells
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 458-1155,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Document Preparer
Entity Name: Chris Wells
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported





**SANTA CRUZ MOTORSPORTS INC (Continued)** **S120050156**

Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 211 CEDAR ST
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: SANTA CRUZ MOTORSPORTS INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: RICHARD AND CINDY SMITH
Entity Title: Not reported
Affiliation Address: 211 CEDAR STREET
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 458-1155,

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**P71** **EUROTECHS** **RCRA-SQG** **1000342955**
**South** **211 CEDAR ST** **CPS-SLIC** **CAD981664303**
**1/8-1/4** **SANTA CRUZ, CA 95060** **FINDS**
**0.202 mi.** **ECHO**
**1068 ft.** **Site 2 of 4 in cluster P** **HAZNET**
**HWTS**

**Relative:**
**Lower**

**Actual:**
**11 ft.**

RCRA-SQG:
Date Form Received by Agency: 19861031
Handler Name: EUROTECHS
Handler Address: 211 CEDAR ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAD981664303
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 211 CEDAR ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 408-427-3599
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

**EUROTECHS (Continued)** **1000342955**

| | |
|---|---|
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | 211 CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | WILLIAM J MAKEL |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |





**EUROTECHS (Continued)** **1000342955**

| | |
|---|---|
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | WILLIAM J MAKEL |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19861031 |
| Handler Name: EUROTECHS | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 811111 |
| NAICS Description: | GENERAL AUTOMOTIVE REPAIR |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

**EUROTECHS (Continued)** **1000342955**

Evaluation Action Summary:
Evaluations: No Evaluations Found

CPS-SLIC:

| | |
|---|---|
| Name: | FORMER EUROTECH |
| Address: | 211 CEDAR STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | STATE |
| **Facility Status:** | **Completed - Case Closed** |
| Status Date: | 07/15/2004 |
| Global Id: | SL0608745895 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Lead Agency Case Number: | Not reported |
| Latitude: | 36.968613 |
| Longitude: | -122.026176 |
| Case Type: | Cleanup Program Site |
| Case Worker: | TAS |
| Local Agency: | SANTA CRUZ COUNTY |
| RB Case Number: | S345 |
| File Location: | Not reported |
| Potential Media Affected: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Stoddard solvent / Mineral Spriits / Distillates, Diesel, Waste Oil / Motor / Hydraulic / Lubricating, * Petroleum - Waste oil |
| Site History: | Not reported |

Click here to access the California GeoTracker records for this facility:

FINDS:
Registry ID: 110002742097

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000342955 |
| Registry ID: | 110002742097 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002742097 |
| Name: | EUROTECHS |
| Address: | 211 CEDAR ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

HAZNET:

| | |
|---|---|
| Name: | EUROTECHS |
| Address: | 211 CEDAR ST |
| Address 2: | Not reported |





**EUROTECHS (Continued)** **1000342955**

| | |
|---|---|
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact: | -- |
| Telephone: | -- |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 253 |
| Year: | 1994 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | 135 - Unspecified aqueous solution |
| Disposal Method: | - |
| Tons: | 0.231 |
| Year: | 1993 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | 135 - Unspecified aqueous solution |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.693 |
| Year: | 1992 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | 135 - Unspecified aqueous solution |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.9172 |
| Year: | 1991 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | 343 - Unspecified organic liquid mixture |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.6962 |
| Year: | 1991 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | 135 - Unspecified aqueous solution |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.4586 |
| Year: | 1990 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD088838222 |
| CA Waste Code: | - |
| Disposal Method: | - |
| Tons: | 0.4586 |
| Year: | 1990 |
| Gepaid: | CAD981664303 |
| TSD EPA ID: | CAD009452657 |
| CA Waste Code: | - |
| Disposal Method: | 01 - |
| Tons: | 0.2293 |
| Year: | 1989 |
| Gepaid: | CAD981664303 |

**EUROTECHS (Continued)** **1000342955**

TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: -
Tons: 0.2293

Year: 1989
Gepaid: CAD981664303
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: 01 -
Tons: 0.2293

Additional Info:
Year: 1993
Gen EPA ID: CAD981664303

Shipment Date: 19931112
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931112
Manifest ID: 93131253
Trans EPA ID: CAD088838222
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: CAD088838222
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930714
Creation Date: 9/11/1995 0:00:00
Receipt Date: 19930714
Manifest ID: 92185084
Trans EPA ID: CAD088838222
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.231





**EUROTECHS (Continued)** **1000342955**

Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930316
Creation Date: 9/6/1995 0:00:00
Receipt Date: 19930316
Manifest ID: 92184839
Trans EPA ID: CAD088838222
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD981664303

Shipment Date: 19940404
Creation Date: 3/25/1996 0:00:00
Receipt Date: Not reported
Manifest ID: 93131587
Trans EPA ID: CAD088838222
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD088838222
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

**EUROTECHS (Continued)** **1000342955**

Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: EUROTECHS
Address: 211 CEDAR ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950600000
EPA ID: CAD981664303
Inactive Date: 06/30/2003
Create Date: 04/10/1987
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: PO BOX 253
Mailing Address 2: Not reported
Mailing City,State,Zip: ANGELS CAMP, CA 952220000
Owner Name: WILLIAM J MAKEL
Owner Address: 211 CEDAR ST
Owner Address 2: Not reported
Owner City,State,Zip: SANTA CRUZ, CA --
Contact Name: --
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

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**P72** **FORMER EUROTECH** **CPS-SLIC S106487380**
**South** **211 CEDAR STREET** **CERS N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.202 mi.**
**1068 ft.** **Site 3 of 4 in cluster P**

**Relative:**
**Lower**
**Actual:**
**11 ft.**

SLIC REG 3:
Name: FORMER EUROTECH
Address: 211 CEDAR STREET
City: SANTA CRUZ
Region: 3
Leak Site Cross Street: LAUREL STREET
Regional Board Case#: S345
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: PROPERTY OWNER
Responsible Party: MR. WILLIAM MAKEL
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 2597 GARY DRIVE
RP City,St,Zip: SOQUEL, CA 95073
Date First Reported: 16-Jan-03
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Case Closed
Case Type: Other ground water affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: No





**FORMER EUROTECH (Continued)** **S106487380**

Case Type Other Grnd Wtr: Yes
PCA: Not reported

CERS:
Name: FORMER EUROTECH
Address: 211 CEDAR STREET
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 259983
CERS ID: SL0608745895
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**P73** **SANTA CRUZ MONTORSPORTS INC** **RCRA NonGen / NLR 1024814127**
**South** **211 CEDAR ST** **CAL000307705**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.202 mi.**
**1068 ft.** **Site 4 of 4 in cluster P**

**Relative:**
**Lower**
**Actual:**
**11 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20060607
Handler Name: SANTA CRUZ MONTORSPORTS INC
Handler Address: 211 CEDAR ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000307705
Contact Name: RICHARD SMITH
Contact Address: 211 CEDAR ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-458-1155
Contact Fax: 831-458-0833
Contact Email: SANTACRUZMOTORSPORTS@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

**SANTA CRUZ MONTORSPORTS INC (Continued)** **1024814127**

| | |
|---|---|
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 211 CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner Name: | RICHARD SMITH & C MARTIN-SMITH |
| Owner Type: | Other |
| Operator Name: | RICHARD SMITH |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |





**SANTA CRUZ MONTORSPORTS INC (Continued)** **1024814127**

| | |
|---|---|
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | RICHARD SMITH & C MARTIN-SMITH |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 211 CEDAR ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner/Operator Telephone: | 831-458-1155 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | RICHARD SMITH |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 211 CEDAR ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-458-1155 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20060607 |
| Handler Name: | SANTA CRUZ MONTORSPORTS INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

**SANTA CRUZ MONTORSPORTS INC (Continued)** **1024814127**

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**Q74 NNW 1/8-1/4 0.205 mi. 1081 ft.** **PACIFIC BELL 212 LOCUST STREET SANTA CRUZ, CA 95060** **RCRA NonGen / NLR FINDS ECHO** **1000251262 CAT080021017**

**Site 1 of 4 in cluster Q**

**Relative: Higher**
**Actual: 20 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 19970902 |
| Handler Name: | PACIFIC BELL |
| Handler Address: | 212 LOCUST STREET |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAT080021017 |
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | 212 LOCUST STREET |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 408-491-6029 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 2 NORTH SECOND ST ROOM 1125 |
| Mailing City,State,Zip: | SAN JOSE, CA 95113 |
| Owner Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |





**PACIFIC BELL (Continued)** **1000251262**

| | |
|---|---|
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | THE PACIFIC TELEPHONE AND TELEGRAPH CO |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |

**PACIFIC BELL (Continued)** **1000251262**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE PACIFIC TELEPHONE AND TELEGRAPH CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: SANTA CRUZ, CA 95060
Owner/Operator Telephone: 408-491-6029
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19810119
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19970902
Handler Name: PACIFIC BELL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported





**PACIFIC BELL (Continued)** **1000251262**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002949659

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000251262
Registry ID: 110002949659
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002949659
Name: PACIFIC BELL
Address: 212 LOCUST STREET
City,State,Zip: SANTA CRUZ, CA 95060

---

**Q75 NNW 1/8-1/4 0.205 mi. 1081 ft.** **SANTA CRUZ MUNICIPAL ULITILIES** **212 LOCUST ST. SUITE D** **SANTA CRUZ, CA 95060** **RCRA NonGen / NLR** **1024757643 CAC002977483**

**Site 2 of 4 in cluster Q**

**Relative: Higher**
**Actual: 20 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20180824
Handler Name: SANTA CRUZ MUNICIPAL ULITILIES
Handler Address: 212 LOCUST ST. SUITE D
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAC002977483
Contact Name: MATT ZEMAN
Contact Address: 212 LOCUST ST. SUITE D
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-420-5211
Contact Fax: Not reported
Contact Email: MZEMAN@CITYOFSANTACRUZ.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

**SANTA CRUZ MUNICIPAL ULITILIES (Continued)** **1024757643**

| | |
|---|---|
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 212 LOCUST ST. SUITE D |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | SANTA CRUZ MUNICIPAL ULITILIES |
| Owner Type: | Other |
| Operator Name: | MATT ZEMAN |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |





**SANTA CRUZ MUNICIPAL ULITILIES (Continued)** **1024757643**

| | |
|---|---|
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180905 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SANTA CRUZ MUNICIPAL ULITILIES |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 212 LOCUST ST. SUITE D |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-5220 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MATT ZEMAN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 212 LOCUST ST. SUITE D |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-420-5211 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20180824 |
| Handler Name: | SANTA CRUZ MUNICIPAL ULITILIES |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

**SANTA CRUZ MUNICIPAL ULITILIES (Continued)** **1024757643**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**O76 NNW 1/8-1/4 0.208 mi. 1100 ft.** **TI - CEDAR** **RCRA NonGen / NLR** **1024771731**
**1005 CEDAR ST** **CAC002991643**
**SANTA CRUZ, CA 95060**

**Site 7 of 7 in cluster O**

**Relative: Higher**
**Actual: 20 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 20181204 |
| Handler Name: TI - CEDAR | |
| Handler Address: | 1005 CEDAR ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC002991643 |
| Contact Name: | F. JOHN LA BARBA |
| Contact Address: | 235 PINE FLAT RD. |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-423-1109 |
| Contact Fax: | Not reported |
| Contact Email: | FJ@FJOHNLABARBA.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 1005 CEDAR ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | F. JOHN LA BARBA |
| Owner Type: | Other |
| Operator Name: | F. JOHN LA BARBA |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |





**TI - CEDAR (Continued)** **1024771731**

| | |
|---|---|
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20181220 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | F. JOHN LA BARBA |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 235 PINE FLAT RD. |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-423-1109 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | F. JOHN LA BARBA |
| Legal Status: | Other |
| Date Became Current: | Not reported |

**TI - CEDAR (Continued)** **1024771731**

Date Ended Current: Not reported
Owner/Operator Address: 235 PINE FLAT RD.
Owner/Operator City,State,Zip: SANTA CRUZ, CA 95060
Owner/Operator Telephone: 831-423-1109
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181204
Handler Name: TI - CEDAR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**Q77** **SANTA CRUZ WOMEN'S HEALTH CENTER** **RCRA NonGen / NLR** **1024843764**
**NNW** **250 LOCUST ST** **CAL000395565**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.209 mi.**
**1105 ft.** **Site 3 of 4 in cluster Q**

**Relative:**
**Higher**
**Actual:**
**20 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20140404
Handler Name: SANTA CRUZ WOMEN'S HEALTH CENTER
Handler Address: 250 LOCUST ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000395565
Contact Name: MARITZA LATHIER
Contact Address: 250 LOCUST ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 831-427-3500
Contact Fax: 831-457-2486
Contact Email: ASANCHEZ@SCHEALTHCENTERS.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported





**SANTA CRUZ WOMEN'S HEALTH CENTER (Continued)** **1024843764**

Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 250 LOCUST ST
Mailing City,State,Zip: SANTA CRUZ, CA 95060-0000
Owner Name: SANTA CRUZ WOMEN'S HEALTH CTR
Owner Type: Other
Operator Name: MARITZA LATHIER
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No

**SANTA CRUZ WOMEN'S HEALTH CENTER (Continued)** **1024843764**

| | |
|---|---|
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180906 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SANTA CRUZ WOMEN'S HEALTH CTR |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | SANTA CRUZ WOMEN'S HEALTH CTR |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060-0000 |
| Owner/Operator Telephone: | 831-427-3582 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MARITZA LATHIER |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 250 LOCUST ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-427-3500 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20140404 |
| Handler Name: | SANTA CRUZ WOMEN'S HEALTH CENTER |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 621493 |
| NAICS Description: | FREESTANDING AMBULATORY SURGICAL AND EMERGENCY CENTERS |

Facility Has Received Notices of Violations:





**SANTA CRUZ WOMEN'S HEALTH CENTER (Continued)** **1024843764**

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**78 NNE 1/8-1/4 0.217 mi. 1146 ft.** **FORMER FRENCH LAUNDRY** **LUST** **S105520744**
**740 FRONT ST** **Cortese** **N/A**
**SANTA CRUZ, CA 95060** **CERS**

**Relative: Lower**
**Actual: 11 ft.**

LUST:

| | |
|---|---|
| Name: | FORMER FRENCH LAUNDRY |
| Address: | 740 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608776495 |
| Global Id: | T0608776495 |
| Latitude: | 36.9753182417938 |
| Longitude: | -122.025221586227 |
| Status: | Completed - Case Closed |
| Status Date: | 01/26/2006 |
| Case Worker: | TAS |
| RB Case Number: | 3416 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | State Records Center |
| Local Case Number: | 3416 |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Diesel, Waste Oil / Motor / Hydraulic / Lubricating |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608776495 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608776495 |
| Action Type: | ENFORCEMENT |
| Date: | 03/20/2003 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0608776495 |
| Action Type: | ENFORCEMENT |
| Date: | 03/15/2006 |
| Action: | Closure/No Further Action Letter |

| | |
|---|---|
| Global Id: | T0608776495 |
| Action Type: | RESPONSE |
| Date: | 02/01/2004 |

**FORMER FRENCH LAUNDRY (Continued)** **S105520744**

Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0608776495
Action Type: RESPONSE
Date: 07/15/2002
Action: Soil and Water Investigation Report

Global Id: T0608776495
Action Type: RESPONSE
Date: 12/15/2005
Action: Unknown

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 10/12/2005
Action: Staff Letter

Global Id: T0608776495
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 07/22/2004
Action: Staff Letter

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 01/26/2006
Action: Closure/No Further Action Letter

Global Id: T0608776495
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 03/12/2004
Action: Staff Letter





**FORMER FRENCH LAUNDRY (Continued)** **S105520744**

Global Id: T0608776495
Action Type: Other
Date: 01/16/2001
Action: Leak Discovery

Global Id: T0608776495
Action Type: RESPONSE
Date: 03/15/2004
Action: Well Installation Report

Global Id: T0608776495
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 07/01/2002
Action: Staff Letter

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 07/14/2005
Action: Staff Letter

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 06/24/2002
Action: Staff Letter

Global Id: T0608776495
Action Type: ENFORCEMENT
Date: 02/17/2004
Action: Staff Letter

Global Id: T0608776495
Action Type: Other
Date: 07/27/2001
Action: Leak Reported

Global Id: T0608776495
Action Type: RESPONSE
Date: 02/17/2004
Action: Soil and Water Investigation Report

Global Id: T0608776495
Action Type: RESPONSE
Date: 03/15/2003
Action: Interim Remedial Action Plan

Global Id: T0608776495
Action Type: RESPONSE
Date: 03/15/2003
Action: Well Installation Report

LUST:
Global Id: T0608776495

**FORMER FRENCH LAUNDRY (Continued)** **S105520744**

| | |
|---|---|
| Status: | Open - Case Begin Date |
| Status Date: | 01/16/2001 |
| Global Id: | T0608776495 |
| Status: | Open - Site Assessment |
| Status Date: | 07/13/2001 |
| Global Id: | T0608776495 |
| Status: | Open - Remediation |
| Status Date: | 03/18/2003 |
| Global Id: | T0608776495 |
| Status: | Open - Remediation |
| Status Date: | 02/17/2004 |
| Global Id: | T0608776495 |
| Status: | Open - Verification Monitoring |
| Status Date: | 07/24/2004 |
| Global Id: | T0608776495 |
| Status: | Completed - Case Closed |
| Status Date: | 01/26/2006 |

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |
| Facility County: | Santa Cruz |
| Global ID: | T0608776495 |
| Status: | Remediation Plan |
| Case Number: | 3416 |
| Local Case Num: | 3416 |
| Case Type: | O |
| Substance: | 8 |
| Quantity: | Not reported |
| Abatement Method: | Not reported |
| Leak Source: | Tank |
| Leak Cause: | UNK |
| How Stopped: | Other Means |
| How Discovered: | Subsurface Monitoring |
| Release Date: | 07/27/2001 |
| Discovered Date: | 1/16/01 |
| Enter Date: | / / |
| Stop Date: | Not reported |
| Review Date: | 09/12/2002 |
| Enforce Date: | Not reported |
| Close Date: | Not reported |
| Enforcement Type: | LET |
| Responsible Party: | CHRISTIAN HAGEN |
| RP Address: | 777 FIRST ST N |
| Contact: | Not reported |
| Cross Street: | COOPER ST |
| Local Agency: | 40000 |
| Lead Agency: | Regional Board |
| Staff Initials: | TAS |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |





**FORMER FRENCH LAUNDRY (Continued)** **S105520744**

| | |
|---|---|
| Prelim Assess: | Not reported |
| Pollution Char: | 07/13/2001 |
| Remedial Plan: | 3/18/03 |
| Remedial Action: | Not reported |
| Monitoring: | / / |
| Pilot Program: | LUST |
| Interim Action: | Not reported |
| Funding: | Not reported |
| MTBE Class: | C |
| Max MTBE Grnd Wtr: | 5 |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | 08/10/2001 |
| MTBE Tested: | YES |
| Lat/Long: | 36.974532 / -122.024944 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | < |
| Mtbe Concentratn: | 1 |
| Mtbe Fuel: | 0 |
| Org Name: | Not reported |
| Basin Plan: | Not reported |
| Beneficial: | Not reported |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | Not reported |
| Well Name: | Not reported |
| Distance From Well: | 0 |
| Assigned Name: | Not reported |
| Summary: | FORMER OIL TANK - DIESEL AND MOTOR OIL FOUND IN GROUNDWATER. WORKPLAN TO OVEREXCAVATE AND INSTALL 4 GROUNDWATER WELLS. NO TPH-G, BTEX, MTBE DETECTED IN PREVIOUS SOIL AND GROUNDWATER SAMPLES. |

CORTESE:

| | |
|---|---|
| Name: | FORMER FRENCH LAUNDRY |
| Address: | 740 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608776495 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |

**FORMER FRENCH LAUNDRY (Continued)** **S105520744**

File Name: Active Open

CERS:
Name: FORMER FRENCH LAUNDRY
Address: 740 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 211365
CERS ID: T0608776495
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**R79 SSE 1/8-1/4 0.219 mi. 1157 ft.** **WALGREENS #15108** **RCRA-SQG** **1016954927**
**201 FRONT STREET** **CAL000382271**
**SANTA CRUZ, CA 95060**

**Site 1 of 5 in cluster R**

**Relative: Lower**
**Actual: 8 ft.**

RCRA-SQG:
Date Form Received by Agency: 20200730
Handler Name: WALGREENS #15108
Handler Address: 201 FRONT STREET
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAL000382271
Contact Name: AMBER DURKIN
Contact Address: WILMOT RD, 5TH FL, MS#1450
Contact City,State,Zip: DEERFIELD, IL 60015
Contact Telephone: 847-964-8816
Contact Fax: 760-918-4025
Contact Email: AMBER.DURKIN@WALGREENS.COM
Contact Title: APS SAFETY MANAGER, NON-RETAIL / SUPPLY CHAIN
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2019
Accessibility: Not reported
Active Site Indicator: Handler Activities





**WALGREENS #15108 (Continued)** **1016954927**

State District Owner: Not reported
State District: Not reported
Mailing Address: GREYHAWK CT. SUITE 200
Mailing City,State,Zip: CARLSBAD, CA 92010
Owner Name: GOLDEN AKAR ASSOCIATES LLC
Owner Type: Private
Operator Name: WALGREEN CO.
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20201007
Recognized Trader-Importer: No

**WALGREENS #15108 (Continued)** **1016954927**

Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U034





**WALGREENS #15108 (Continued)** **1016954927**

Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO
Legal Status: Private
Date Became Current: 20130307
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GOLDEN AKAR ASSOCIATES LLC
Legal Status: Private
Date Became Current: 20120529
Date Ended Current: Not reported
Owner/Operator Address: 440 B-SYCAMORE VALLEY RD WEST
Owner/Operator City,State,Zip: DANVILLE, CA 94526
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO.
Legal Status: Private
Date Became Current: 20120629
Date Ended Current: Not reported
Owner/Operator Address: 200 WILMONT RD.
Owner/Operator City,State,Zip: DEERFIELD, IL 60015
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

**WALGREENS #15108 (Continued)** **1016954927**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GOLDEN AKAR ASSOCIATES LLC
Legal Status: Private
Date Became Current: 20130522
Date Ended Current: Not reported
Owner/Operator Address: 440 B SYCAMORE VALLEY RD WEST
Owner/Operator City,State,Zip: DANVILLE, CA 94526
Owner/Operator Telephone: 925-838-7070
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO.
Legal Status: Private
Date Became Current: 20120629
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GOLDEN AKAR ASSOCIATES LLC
Legal Status: Private
Date Became Current: 20120529
Date Ended Current: Not reported
Owner/Operator Address: 440 B-SYCAMORE VALLEY RD WEST
Owner/Operator City,State,Zip: DANVILLE, CA 94526
Owner/Operator Telephone: 925-838-7070
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140609
Handler Name: WALGREENS #15108
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160412
Handler Name: WALGREENS #15108
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No





**WALGREENS #15108 (Continued)** **1016954927**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200730
Handler Name: WALGREENS #15108
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**R80** **WALGREENS #15108** **CUPA Listings** **S112135698**
**SSE** **201 FRONT ST** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.219 mi.**
**1157 ft.** **Site 2 of 5 in cluster R**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

CUPA SANTA CRUZ:
Name: WALGREENS #15108
Address: 201 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0007221
Cross Street: Not reported
Description: HMMP STANDARD FORM FILING FEE

Name: WALGREENS #15108
Address: 201 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0007221
Cross Street: Not reported
Description: HMMP STANDARD FORM QR 2

**WALGREENS #15108 (Continued)** **S112135698**

Name: WALGREENS #15108
Address: 201 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0007221
Cross Street: Not reported
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

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**R81 TOYOTA OF SANTA CRUZ** **RCRA-SQG 1000342894**
**SSE 201 FRONT ST** **LUST CAD981158884**
**1/8-1/4 SANTA CRUZ, CA 95060** **FINDS**
**0.219 mi.** **ECHO**
**1157 ft. Site 3 of 5 in cluster R** **Cortese**
**HAZNET**
**Relative: Lower** **CERS**
**HWTS**
**Actual: 8 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | TOYOTA OF SANTA CRUZ |
| Handler Address: | 201 FRONT ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD981158884 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | 201 |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | Not reported |
| Owner Type: | Not reported |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Owner/Operator Name: STEVEN O BERGSTROM
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: TOYOTA OF SANTA CRUZ
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19851014
Handler Name: TOYOTA OF SANTA CRUZ
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: FORMER TOYOTA OF SANTA CRUZ
Address: 201 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: SANTA CRUZ COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700121





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Global Id: T0608700121
Latitude: 36.9687
Longitude: -122.024179
Status: Completed - Case Closed
Status Date: 02/27/1996
Case Worker: Not reported
RB Case Number: 2578
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700121
Action Type: Other
Date: 12/22/1987
Action: Leak Stopped

Global Id: T0608700121
Action Type: ENFORCEMENT
Date: 02/27/1996
Action: Closure/No Further Action Letter

Global Id: T0608700121
Action Type: Other
Date: 01/21/1988
Action: Leak Discovery

Global Id: T0608700121
Action Type: Other
Date: 12/01/1995
Action: Leak Reported

LUST:
Global Id: T0608700121
Status: Open - Case Begin Date
Status Date: 12/22/1987

Global Id: T0608700121
Status: Open - Site Assessment
Status Date: 03/18/1988

Global Id: T0608700121
Status: Completed - Case Closed
Status Date: 02/27/1996

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700121
Status: Case Closed
Case Number: 2578
Local Case Num: Not reported

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Case Type: | O |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming) |
| Leak Source: | UNK |
| Leak Cause: | Other Cause |
| How Stopped: | Not reported |
| How Discovered: | Tank Closure |
| Release Date: | 12/01/1995 |
| Discovered Date: | 1/21/88 |
| Enter Date: | 05/17/1996 |
| Stop Date: | 12/22/87 |
| Review Date: | 02/04/1997 |
| Enforce Date: | Not reported |
| Close Date: | 2/27/96 |
| Enforcement Type: | Not reported |
| Responsible Party: | Not reported |
| RP Address: | Not reported |
| Contact: | Not reported |
| Cross Street: | SPRUCE ST |
| Local Agency: | 44000 |
| Lead Agency: | Local Agency |
| Staff Initials: | HDC |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | 03/18/1988 |
| Remedial Plan: | Not reported |
| Remedial Action: | Not reported |
| Monitoring: | / / |
| Pilot Program: | LIA |
| Interim Action: | 0 |
| Funding: | Not reported |
| MTBE Class: | * |
| Max MTBE Grnd Wtr: | Not reported |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | / / |
| MTBE Tested: | NT |
| Lat/Long: | 36.9685115 / -122.0236967 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | Not reported |
| Mtbe Concentratn: | 0 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | 4.11 |
| Beneficial: | Not reported |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | POGONIP POLO CLUB - DEAC |
| Well Name: | LPA REPORTED PRIMARY SOURCE |
| Distance From Well: | 0 |
| Assigned Name: | 4400809-001GEN |
| Summary: | CASE ORIGINALLY CLOSED 10/7/88. REOPENED 12/1/95 DURING CONSTRUCTION. |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

FINDS:

Registry ID: 110002677372

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055826628

Click Here:

Environmental Interest/Information System:
HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000342894 |
| Registry ID: | 110002677372 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002677372 |
| Name: | TOYOTA OF SANTA CRUZ |
| Address: | 201 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

CORTESE:

| | |
|---|---|
| Name: | FORMER TOYOTA OF SANTA CRUZ |
| Address: | 201 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700121 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

HAZNET:
Name: WALGREENS #15108
Address: 201 FRONT ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 920100000
Contact: KARINA ROMERO
Telephone: 7606028700
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT. SUITE 200

Year: 2019
Gepaid: CAL000382271
TSD EPA ID: INR000110197
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00100

Year: 2019
Gepaid: CAL000382271
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00650

Year: 2019
Gepaid: CAL000382271
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00850

Year: 2019
Gepaid: CAL000382271
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03150

Year: 2019
Gepaid: CAL000382271
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17200

Year: 2018
Gepaid: CAL000382271
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00850





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Year: 2018
Gepaid: CAL000382271
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02700

Year: 2018
Gepaid: CAL000382271
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00150

Year: 2018
Gepaid: CAL000382271
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.32150

Year: 2018
Gepaid: CAL000382271
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01700

Click this hyperlink while viewing on your computer to access
43 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2017
Gen EPA ID: CAL000382271

Shipment Date: 20171204
Creation Date: 9/14/2018 18:31:06
Receipt Date: 20180125
Manifest ID: 010685321FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20171204 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 010685321FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0785 |
| Waste Quantity: | 157 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20171204 |
| Creation Date: | 9/14/2018 18:31:06 |
| Receipt Date: | 20180125 |
| Manifest ID: | 010685321FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Shipment Date: | 20171204 |
| Creation Date: | 9/14/2018 18:31:06 |
| Receipt Date: | 20180125 |
| Manifest ID: | 010685321FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20171204 |
| Creation Date: | 9/14/2018 18:31:06 |
| Receipt Date: | 20180125 |
| Manifest ID: | 010685321FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20171017 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 010833616FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0325
Waste Quantity: 65
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171017
Creation Date: 11/1/2018 18:30:19
Receipt Date: 20171121
Manifest ID: 010833616FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171017
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 010833616FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171017
Creation Date: 11/1/2018 18:30:19
Receipt Date: 20171121
Manifest ID: 010833616FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171017
Creation Date: 11/1/2018 18:30:19
Receipt Date: 20171121
Manifest ID: 010833616FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2013
Gen EPA ID: CAL000382271

Shipment Date: 20131116
Creation Date: 4/15/2014 22:15:05
Receipt Date: 20131206
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131116
Creation Date: 4/15/2014 22:15:05
Receipt Date: 20131206
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0055
Waste Quantity: 11
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131116
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.0495
Waste Quantity: 99
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131116
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.0465
Waste Quantity: 93
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131116
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.075 |
| Waste Quantity: | 150 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20131116 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 006231666FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | - Not reported |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20131116 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 006231666FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | - Not reported |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20131116 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 006231666FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20131116 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 006231666FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS TRANSPORTATION INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D024 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 5: Not reported

Shipment Date: 20131116
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 006231666FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D010
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000382271

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D024
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D010
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0285 |
| Waste Quantity: | 57 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20151216 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | - Not reported |
| RCRA Code: | Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20151216 |
| Creation Date: | 9/21/2016 18:30:44 |
| Receipt Date: | 20160108 |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20151216 |
| Creation Date: | 9/21/2016 18:30:44 |
| Receipt Date: | 20160108 |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H121 - Neutralization Only |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20151216 |
| Creation Date: | 9/21/2016 18:30:44 |
| Receipt Date: | 20160108 |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions |
| RCRA Code: | D001 |
| Meth Code: | H070 - Not reported |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: 9/21/2016 18:30:44
Receipt Date: 20160108
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151118
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620066FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000382271

Shipment Date: 20151216





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: 9/21/2016 18:30:44
Receipt Date: 20160108
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code: D001
Meth Code: H070 - Not reported
Quantity Tons: 0.0015
Waste Quantity: 3
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: 9/21/2016 18:30:44
Receipt Date: 20160108
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H121 - Neutralization Only |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20151216 |
| Creation Date: | 9/21/2016 18:30:44 |
| Receipt Date: | 20160108 |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20151216 |
| Creation Date: | 9/21/2016 18:30:44 |
| Receipt Date: | 20160108 |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20151216 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0285 |
| Waste Quantity: | 57 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 20151216 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 008620151FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000210617 |
| Trans 2 Name: | 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA |
| TSDF EPA ID: | CAD980884183 |
| Trans Name: | GENERAL ENVIRONMENTAL MGT LLC |
| TSDF Alt EPA ID: | NVD980895338 |
| TSDF Alt Name: | 21ST CENTURY EMN LLC |
| Waste Code Description: | - Not reported |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D010
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 008620151FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: NVD980895338
TSDF Alt Name: 21ST CENTURY EMN LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D024
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151118
Creation Date: 3/2/2016 22:15:14
Receipt Date: 20151208
Manifest ID: 008620066FLE
Trans EPA ID: MNS000110924





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA
TSDF EPA ID: CAD980884183
Trans Name: GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000382271

Shipment Date: 20141216
Creation Date: 5/18/2015 22:15:16
Receipt Date: 20141222
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code: D001
Meth Code: H070 - Not reported
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: 6/25/2015 22:15:06
Receipt Date: 20150102
Manifest ID: 007263367FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0015
Waste Quantity: 3
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: 5/18/2015 22:15:16
Receipt Date: 20141222
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H121 - Neutralization Only
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: 5/18/2015 22:15:16
Receipt Date: 20141222
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: 5/18/2015 22:15:16
Receipt Date: 20141222
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.058
Waste Quantity: 116
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007263368FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0305
Waste Quantity: 61
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007263368FLE





**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.026
Waste Quantity: 52
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141030
Creation Date: 3/31/2015 22:15:05
Receipt Date: 20141106
Manifest ID: 007302097FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC
TSDF EPA ID: NVD980895338
Trans Name: 21ST CENTURY EMN LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H121 - Neutralization Only
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: FORMER TOYOTA OF SANTA CRUZ
Address: 201 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 195220
CERS ID: T0608700121
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported

**TOYOTA OF SANTA CRUZ (Continued)** **1000342894**

| | |
|---|---|
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8314542754, |

HWTS:

| | |
|---|---|
| Name: | WALGREENS #15108 |
| Address: | 201 FRONT ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAL000382271 |
| Inactive Date: | 09/28/2020 |
| Create Date: | 02/07/2013 |
| Last Act Date: | 04/06/2021 |
| Mailing Name: | Not reported |
| Mailing Address: | 104 WILMOT RD 5TH FLR MS 1450 |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | DEERFIELD, IL 60015 |
| Owner Name: | WALGREEN CO. |
| Owner Address: | 200 WILMOT RD MS 2273 |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | DEERFIELD, IL 600150000 |
| Contact Name: | KARINA ROMERO |
| Contact Address: | 3207 GREY HAWK CT., SUITE 200 |
| Contact Address 2: | Not reported |
| City,State,Zip: | CARLSBAD, CA 92010 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000382271 |
| Create Date: | 2013-02-07 14:11:44.793 |
| NAICS Code: | 44611 |
| NAICS Description: | Pharmacies and Drug Stores |
| Issued EPA ID Date: | 2013-02-07 14:11:44.76700 |
| Inactive Date: | 2020-09-28 00:00:00 |
| Facility Name: | WALGREENS #15108 |
| Facility Address: | 201 FRONT ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 95060 |

---

**82 SSW 1/8-1/4 0.223 mi. 1176 ft.** **LIZA MILLER** **RCRA NonGen / NLR** **1025863883**
**348 WASHINGTON ST** **CAC003044683**
**SANTA CRUZ, CA 95060**

**Relative: Higher**
**Actual: 15 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 20191125 |
| Handler Name: | LIZA MILLER | |
| Handler Address: | | 348 WASHINGTON ST |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060 |
| EPA ID: | | CAC003044683 |





**LIZA MILLER (Continued)** **1025863883**

| | |
|---|---|
| Contact Name: | LIZA MILLER |
| Contact Address: | 344A WASHINGTON ST |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 831-359-1311 |
| Contact Fax: | Not reported |
| Contact Email: | LIZA.MILLER@GMAIL.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 344A WASHINGTON ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | LIZA MILLER |
| Owner Type: | Other |
| Operator Name: | LIZA MILLER |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |

**LIZA MILLER (Continued)** **1025863883**

| | |
|---|---|
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20191127 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LIZA MILLER |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 344A WASHINGTON ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-359-1311 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LIZA MILLER |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 344A WASHINGTON ST |
| Owner/Operator City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner/Operator Telephone: | 831-359-1311 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20191125 |
| Handler Name: LIZA MILLER | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |





**LIZA MILLER (Continued)** **1025863883**

| | |
|---|---|
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**R83** **BUGFORMANCE OF SANTA CRUZ INC** **CERS HAZ WASTE** **1000230406**
**SE** **220 FRONT ST** **SWEEPS UST** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060** **HIST UST**
**0.232 mi.** **CA FID UST**
**1225 ft.** **Site 4 of 5 in cluster R** **CUPA Listings**
**CERS**
**Relative:**
**Lower**
**Actual:**
**7 ft.**

CERS HAZ WASTE:

| | |
|---|---|
| Name: | WHEEL WORKS #122181 |
| Address: | 220 FRONT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 171574 |
| CERS ID: | 10173293 |
| CERS Description: | Hazardous Waste Generator |

SWEEPS UST:

| | |
|---|---|
| Name: | BUGFORMANCE OF SANTA CRUZ INC |
| Address: | 220 FRONT ST |
| City: | SANTA CRUZ |
| Status: | Not reported |
| Comp Number: | 43273 |
| Number: | Not reported |
| Board Of Equalization: | Not reported |
| Referral Date: | Not reported |
| Action Date: | Not reported |
| Created Date: | Not reported |
| Owner Tank Id: | Not reported |
| SWRCB Tank Id: | 44-000-043273-000001 |
| Tank Status: | Not reported |
| Capacity: | 1 |
| Active Date: | Not reported |
| Tank Use: | OIL |
| STG: | WASTE |
| Content: | WASTE OIL |
| Number Of Tanks: | 1 |

HIST UST:

| | |
|---|---|
| Name: | BUGFORMANCE OF SANTA CRUZ INC |
| Address: | 220 FRONT ST |

**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020BF5
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020BF5.pdf
Region: STATE
Facility ID: 00000043273
Facility Type: Other
Other Type: GARAGE
Contact Name: MARK WALTZ
Telephone: 4084298830
Owner Name: KENNETH A. LAMB
Owner Address: 2395 DELAWARE AVE #124
Owner City,St,Zip: SANTA CRUZ, CA 95060
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1955
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 44000834
Regulated By: UTNKI
Regulated ID: 00043273
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4084298830
Mail To: Not reported
Mailing Address: 220 FRONT ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA CRUZ 95060
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CUPA SANTA CRUZ:
Name: WHEEL WORKS #122181
Address: 220 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002506
Cross Street: Not reported
Description: HMMP STANDARD FORM FILING FEE

Name: WHEEL WORKS #122181
Address: 220 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002506





**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

Cross Street: Not reported
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: WHEEL WORKS #122181
Address: 220 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002506
Cross Street: Not reported
Description: HMMP STANDARD FORM QR 2

CERS:
Name: WHEEL WORKS #122181
Address: 220 FRONT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 171574
CERS ID: 10173293
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 171574
Site Name: Wheel Works #122181
Violation Date: 01-29-2019
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 06/17/2021. OBSERVATION: Used oil and fuel filters located in the shop were observed without an accumulation start date, and containers overfull. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Violation Date: 05-17-2017
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 07/11/2017. OBSERVATION: Weekly inspections of Waste areas are not being done.. The owner or operator shall inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. CORRECTIVE ACTION: Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility, and log the results of the inspections.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181

**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

Violation Date: 03-16-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 08/10/2016. OBSERVATION: The Business Activities page has not been submitted to this department. CORRECTIVE ACTION: Complete the Business Activities page and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Violation Date: 10-02-2013
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 11/02/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Violation Date: 03-16-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 08/10/2016. OBSERVATION: The annotated site map has not been completed updated, and submitted to the CUPA. CORRECTIVE ACTION: Complete an updated annotated site map and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Violation Date: 10-02-2013
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 11/02/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,





**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERs submittal 1-31-2018. Next submittal due by 2-1-2019. A proper label with accumulation start dates must be affixed onto all waste oil/filter drums. Arrange for disposal of all overflowing waste oil/filter drums. Post ER procedures and contact numbers in the shop area.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Manager Was Not available at time of inspection ..
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW

**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 8-2016. Next submittal due by 8-10-2017. Post ER procedures. Log inspections of hazardous materials/waste areas.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 171574
Site Name: Wheel Works #122181
Site Address: 220 FRONT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 10-02-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Site Address: 220 FRONT ST
Site City: SANTA CRUZ





**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

Site Zip: 95060
Enf Action Date: 05-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 171574
Site Name: Wheel Works #122181
Site Address: 220 FRONT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-16-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 171574
Facility Name: Wheel Works #122181
Env Int Type Code: HWG
Program ID: 10173293
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.968830
Longitude: -122.023380

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Sheila Caballero
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Sheila Caballero
Entity Title: Environmental Compliance Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported

**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

| | |
|---|---|
| Affiliation Address: | 701 Ocean Boulevard, Suite 312 |
| Affiliation City: | Santa Cruz |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 454-2022, |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | 200 4th Ave South Attn: Environmental-BSRO |
| Affiliation City: | Nashville |
| Affiliation State: | TN |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 37201 |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Operator |
| Entity Name: | Wheel Works |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (831) 426-9800, |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | Santa Cruz Seaside Co |
| Entity Title: | Not reported |
| Affiliation Address: | 400 Beach Street |
| Affiliation City: | Santa Cruz |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 423-5590, |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Sheila Caballero-BSRO |
| Entity Title: | Not reported |
| Affiliation Address: | 200 4th Avenue South Attn: Environmental-BSRO |
| Affiliation City: | Nashville |
| Affiliation State: | TN |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 37201 |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Bridgestone Retail Operations, LLC |
| Entity Title: | Not reported |
| Affiliation Address: | 200 4th Ave South Attn: Environmental-BSRO |
| Affiliation City: | Nashville |
| Affiliation State: | TN |
| Affiliation Country: | United States |
| Affiliation Zip: | 37201 |
| Affiliation Phone: | (209) 482-5486, |





**BUGFORMANCE OF SANTA CRUZ INC (Continued)** **1000230406**

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | Bridgestone Retail Operations, LLC. (BSRO) |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

---

**R84** **WHEEL WORKS # 8219** **RCRA NonGen / NLR** **1024830447**
**SE** **220 FRONT ST** **CAL000365470**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.232 mi.**
**1225 ft.** **Site 5 of 5 in cluster R**

**Relative:**
**Lower**

**Actual:**
**7 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 20110708 |
| Handler Name: | WHEEL WORKS # 8219 | |
| Handler Address: | | 220 FRONT ST |
| Handler City,State,Zip: | | SANTA CRUZ, CA 95060 |
| EPA ID: | | CAL000365470 |
| Contact Name: | | BRIDGESTONE RETAIL OPERATIONS, LLC |
| Contact Address: | | 333 EAST LAKE STREET |
| Contact City,State,Zip: | | BLOOMINGDALE, IL 60108 |
| Contact Telephone: | | 615-937-7515 |
| Contact Fax: | | 615-493-3310 |
| Contact Email: | | ENVGEN@BFRC.COM |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 333 EAST LAKE STREET |
| Mailing City,State,Zip: | | BLOOMINGDALE, IL 60108-0000 |
| Owner Name: | | BRIDGESTONE RETAIL OPERATIONS, LLC |
| Owner Type: | | Other |
| Operator Name: | | BRIDGESTONE RETAIL OPERATIONS, LLC |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | Yes |
| Universal Waste Destination Facility: | | Yes |
| Federal Universal Waste: | | No |

**WHEEL WORKS # 8219 (Continued)** **1024830447**

| | |
|---|---|
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20180906 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BRIDGESTONE RETAIL OPERATIONS, LLC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 333 EAST LAKE STREET |
| Owner/Operator City,State,Zip: | BLOOMINGDALE, IL 60108-0000 |
| Owner/Operator Telephone: | 615-937-7515 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |





**WHEEL WORKS # 8219 (Continued)** **1024830447**

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | BRIDGESTONE RETAIL OPERATIONS, LLC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 333 EAST LAKE STREET |
| Owner/Operator City,State,Zip: | BLOOMINGDALE, IL 60108 |
| Owner/Operator Telephone: | 615-937-7515 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20110708 |
| Handler Name: WHEEL WORKS # 8219 | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 45299 |
| NAICS Description: | ALL OTHER GENERAL MERCHANDISE STORES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

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**S85** **7-ELEVEN INC. STORE #16346** **CUPA Listings** **S116598024**
**SW** **602 LAUREL ST** **N/A**
**1/8-1/4** **SANTA CRUZ, CA 95060**
**0.243 mi.**
**1285 ft.** **Site 1 of 2 in cluster S**

**Relative:**
**Higher**

**Actual:**
**21 ft.**

CUPA SANTA CRUZ:

| | |
|---|---|
| Name: | 7-ELEVEN INC. STORE #16346 |
| Address: | 602 LAUREL ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0007666 |
| Cross Street: | Not reported |
| Description: | HMMP STANDARD FORM FILING FEE |

**Q86 NNW 1/8-1/4 0.247 mi. 1304 ft.** | **RONALD PERRIGO** | **CPS-SLIC** | **S112992696**
**1010 CENTER ST** | **HAZNET** | **N/A**
**SANTA CRUZ, CA 95060** | **HWTS**

**Site 4 of 4 in cluster Q**

**Relative: Higher**
**Actual: 23 ft.**

CPS-SLIC:

| | |
|---|---|
| Name: | FORMER AUTO REPAIR/PAINT SHOP |
| Address: | 1010 CENTER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | STATE |
| **Facility Status:** | **Open - Site Assessment** |
| Status Date: | 01/23/2020 |
| Global Id: | T10000013953 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Lead Agency Case Number: | Not reported |
| Latitude: | 36.97582 |
| Longitude: | -122.02853 |
| Case Type: | Cleanup Program Site |
| Case Worker: | LG |
| Local Agency: | SANTA CRUZ COUNTY |
| RB Case Number: | Not reported |
| File Location: | Not reported |
| Potential Media Affected: | Soil Vapor |
| Potential Contaminants of Concern: | Not reported |
| Site History: | Not reported |

Click here to access the California GeoTracker records for this facility:

HAZNET:

| | |
|---|---|
| Name: | RONALD PERRIGO |
| Address: | 1010 CENTER ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact: | RONALD PERRIGO |
| Telephone: | 8314596733 |
| Mailing Name: | Not reported |
| Mailing Address: | 314 CAYUGA ST |
| Year: | 2011 |
| Gepaid: | CAC002674998 |
| TSD EPA ID: | AZC950823111 |
| CA Waste Code: | 151 - Asbestos containing waste |
| Disposal Method: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Tons: | 0.4 |
| Year: | 2011 |
| Gepaid: | CAC002674998 |
| TSD EPA ID: | UTD981552177 |
| CA Waste Code: | 343 - Unspecified organic liquid mixture |
| Disposal Method: | H040 - Incineration--Thermal Destruction Other Than Use As A Fuel |
| Tons: | 0.4 |

Additional Info:

| | |
|---|---|
| Year: | 2011 |
| Gen EPA ID: | CAC002674998 |





**RONALD PERRIGO (Continued)** **S112992696**

| | |
|---|---|
| Shipment Date: | 20110926 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111004 |
| Manifest ID: | 003132239FLE |
| Trans EPA ID: | MAD039322250 |
| Trans Name: | CLEAN HARBORS ENVIRONMENTAL SERVICES INC |
| Trans 2 EPA ID: | MAD039322250 |
| Trans 2 Name: | CLEAN HARBORS ENV SERVICES |
| TSDF EPA ID: | UTD981552177 |
| Trans Name: | CLEAN HARBORS ARAGONITE LLC |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | D008 |
| Meth Code: | H040 - Incineration--Thermal Destruction Other Than Use As A Fuel |
| Quantity Tons: | 0.4 |
| Waste Quantity: | 800 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| Additional Code 2: | D006 |
| Additional Code 3: | D005 |
| Additional Code 4: | D004 |
| Additional Code 5: | Not reported |
| Shipment Date: | 20110826 |
| Creation Date: | 2/9/2012 20:30:13 |
| Receipt Date: | 20110902 |
| Manifest ID: | 008095319JJK |
| Trans EPA ID: | CAL000160111 |
| Trans Name: | ALLIANCE ENVIRONMENTAL GROUP |
| Trans 2 EPA ID: | CAR000049064 |
| Trans 2 Name: | ECTI |
| TSDF EPA ID: | AZC950823111 |
| Trans Name: | LA PAZ COUNTY LANDFILL |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 151 - Asbestos-containing waste |
| RCRA Code: | Not reported |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.4 |
| Waste Quantity: | 1 |
| Quantity Unit: | Y |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

HWTS:

| | |
|---|---|
| Name: | RONALD PERRIGO |
| Address: | 1010 CENTER ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC002674998 |
| Inactive Date: | 03/01/2012 |
| Create Date: | 09/02/2011 |

**RONALD PERRIGO (Continued)** **S112992696**

| | |
|---|---|
| Last Act Date: | 09/02/2011 |
| Mailing Name: | Not reported |
| Mailing Address: | 314 CAYUGA ST |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95062 |
| Owner Name: | RONALD PERRIGO |
| Owner Address: | 314 CAYUGA ST |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 95062 |
| Contact Name: | RONALD PERRIGO |
| Contact Address: | 314 CAYUGA ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95062 |

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**87 WNW 1/8-1/4 0.248 mi. 1307 ft.** **UNION PACIFIC RAILROAD - LOMA PRIETA** **CUPA Listings** **S117540925**
**LOMA PRIETA PEAK** **CERS** **N/A**
**LOS GATOS, CA 95030**

**Relative: Higher**
**Actual: 36 ft.**

CUPA SANTA CLARA:

| | |
|---|---|
| Name: | UNION PACIFIC RAILROAD - LOMA PRIETA |
| Address: | LOMA PRIETA PEAK |
| City,State,Zip: | LOS GATOS, CA 95030 |
| Region: | SANTA CLARA |
| PE#: | BP11 |
| Program Description: | HAZMAT STORAGE & HMBP FACILITY, 1-3 CHEMICALS |
| Program Identifier: | DEH PERMIT-HAZ MAT STORAGE & HAZ MAT BUSINESS PLAN PROGRAMS |
| Latitude: | 37.221245 |
| Longitude: | -121.978639 |
| Record ID: | PR0374276 |
| Facility ID: | FA0252656 |

CERS:

| | |
|---|---|
| Name: | UNION PACIFIC RAILROAD - LOMA PRIETA |
| Address: | LOMA PRIETA PEAK |
| City,State,Zip: | LOS GATOS, CA 95030 |
| Site ID: | 404870 |
| CERS ID: | 10603105 |
| CERS Description: | Chemical Storage Facilities |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Gregory Martinez |
| Entity Title: | Not reported |
| Affiliation Address: | 9451 Atkinson Street |
| Affiliation City: | Roseville |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95747 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Operator |
| Entity Name: | UNION PACIFIC RAILROAD |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |





**UNION PACIFIC RAILROAD - LOMA PRIETA (Continued)** **S117540925**

| | |
|---|---|
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (209) 401-1877, |

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Gregory Martinez |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Gregory Martinez |
| Entity Title: | Manager of field Operation |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | UNION PACIFIC RAILROAD |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Santa Clara County Environmental Health |
| Entity Title: | Not reported |
| Affiliation Address: | 1555 Berger Drive, Suite 300 |
| Affiliation City: | San Jose |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95112-2716 |
| Affiliation Phone: | (408) 918-3400, |

| | |
|---|---|
| Affiliation Type Desc: | Property Owner |
| Entity Name: | UNION PACIFIC RAILROAD |
| Entity Title: | Not reported |
| Affiliation Address: | 9451 Atkinson Street |
| Affiliation City: | Roseville |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 95747 |
| Affiliation Phone: | (209) 546-7224, |

| | |
|---|---|
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |

**UNION PACIFIC RAILROAD - LOMA PRIETA (Continued)** **S117540925**

Affiliation Address: 9451 Atkinson Street
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95747
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: UNION PACIFIC RAILROAD
Entity Title: Not reported
Affiliation Address: 1400 DOUGLAS STREET
Affiliation City: OMAHA
Affiliation State: NE
Affiliation Country: United States
Affiliation Zip: 68179
Affiliation Phone: (888) 877-7267,

---

**S88 SSW 1/4-1/2 0.269 mi. 1422 ft.** **UNDEVELOPED LAND** **ENVIROSTOR S105051281**
**155 CHESTNUT ST** **LUST N/A**
**SANTA CRUZ, CA 95060** **Cortese**
**CERS**

**Site 2 of 2 in cluster S**

**Relative: Higher**
**Actual: 19 ft.**

ENVIROSTOR:
Name: UNION ICE COMPANY
Address: 155 CHESTNUT STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44420002
Status: Refer: Other Agency
Status Date: 07/06/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.9675
Longitude: -122.0286
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 44420002
Alias Type: Envirostor ID Number

Completed Info:





**UNDEVELOPED LAND (Continued)** **S105051281**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/18/1990
Comments: PRELIM ASSESS DONE SITE HAS BEEN MITIGATED PER COUNTY OVERSIGHT. DRUMS HAVE BEEN REMOVED AND SOIL TESTED AND REMOVED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1989
Comments: SITE SCREENING DONE RATIONALE FOR PA: ABANDONED FACILITY CONTAINING FRIABLE ASBESTOS IN STRUCTURE AND ABANDONED PAILS & 55-GAL DRUMS OF WASTE LIQUIDS &/OR OILS. FACILITY IS WITHIN A RESIDENTIAL AREA & IS USED BY THE TRANSIENT POPULATION FOR SHELTER.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/01/1988
Comments: FACILITY IDENTIFIED TRANSIT OVERFLIGHT

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: UNDEVELOPED LAND
Address: 155 CHESTNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: SANTA CRUZ COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608799980
Global Id: T0608799980
Latitude: 36.97325
Longitude: -122.035821
Status: Completed - Case Closed
Status Date: 10/28/2010
Case Worker: JBG
RB Case Number: 3321
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: 3321
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: 136 CY contaminated soil removed.

LUST:
Global Id: T0608799980
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES

**UNDEVELOPED LAND (Continued)** **S105051281**

Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608799980
Action Type: RESPONSE
Date: 04/02/2001
Action: Correspondence

Global Id: T0608799980
Action Type: RESPONSE
Date: 01/22/2001
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608799980
Action Type: RESPONSE
Date: 03/18/1991
Action: Preliminary Site Assessment Report

Global Id: T0608799980
Action Type: RESPONSE
Date: 03/13/2001
Action: Soil and Water Investigation Report

Global Id: T0608799980
Action Type: RESPONSE
Date: 02/20/2001
Action: Correspondence

Global Id: T0608799980
Action Type: Other
Date: 02/23/2001
Action: Leak Reported

LUST:
Global Id: T0608799980
Status: Open - Case Begin Date
Status Date: 02/20/2001

Global Id: T0608799980
Status: Completed - Case Closed
Status Date: 04/02/2001

Global Id: T0608799980
Status: Completed - Case Closed
Status Date: 10/28/2010

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608799980





**UNDEVELOPED LAND (Continued)** **S105051281**

Status: Preliminary site assessment underway
Case Number: 3321
Local Case Num: 3321
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: Not reported
Leak Source: Tank
Leak Cause: Corrosion
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 02/23/2001
Discovered Date: Not reported
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: Not reported
Responsible Party: SCOTT THIEBOUT
RP Address: 155 CHESTNUT ST
Contact: Not reported
Cross Street: LAUREL STREET
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 6/19/01
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: Not reported
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.97325 / -122.035821
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Distance From Well: 0
Assigned Name: Not reported

**UNDEVELOPED LAND (Continued)** **S105051281**

Summary: Haz Mat incident report filed : REMOVED ACCESSABLE CONTAMINATED SOIL (136 CUBIC YARDS) DURING TANK CLOSURE. CLEAN BASE SAMPLE, NO GROUNDWATER ENCOUNTERED.

CORTESE:

| | |
|---|---|
| Name: | UNDEVELOPED LAND |
| Address: | 155 CHESTNUT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608799980 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

CERS:

| | |
|---|---|
| Name: | UNDEVELOPED LAND |
| Address: | 155 CHESTNUT ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 246465 |
| CERS ID: | T0608799980 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | STEVE BAIOCCHI - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8314542754, |

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |





**UNDEVELOPED LAND (Continued)** **S105051281**

Affiliation Phone: ,

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**89**
**North**
**1/4-1/2**
**0.284 mi.**
**1501 ft.**

**PG&E GAS PLANT SANTA CRUZ**
**W SIDE N PACIFIC ADJ RIVER ST**
**SANTA CRUZ, CA 95060**

**SEMS-ARCHIVE** **1003878941**
**CAD981416100**

**Relative:**
**Higher**

**Actual:**
**21 ft.**

SEMS Archive:

| | |
|---|---|
| Site ID: | 0902406 |
| EPA ID: | CAD981416100 |
| Name: | PG&E GAS PLANT SANTA CRUZ |
| Address: | W SIDE N PACIFIC ADJ RIVER ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Cong District: | 16 |
| FIPS Code: | 06087 |
| FF: | N |
| NPL: | Not on the NPL |
| Non NPL Status: | NFRAP-Site does not qualify for the NPL based on existing information |

SEMS Archive Detail:

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0902406 |
| EPA ID: | CAD981416100 |
| Site Name: | PG&E GAS PLANT SANTA CRUZ |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | VS |
| Action Name: | ARCH SITE |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1987-12-01 05:00:00 |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf In-Hse |

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0902406 |
| EPA ID: | CAD981416100 |
| Site Name: | PG&E GAS PLANT SANTA CRUZ |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | PA |
| Action Name: | PA |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1987-12-01 05:00:00 |
| Qual: | N |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0902406 |
| EPA ID: | CAD981416100 |
| Site Name: | PG&E GAS PLANT SANTA CRUZ |
| NPL: | N |

**PG&E GAS PLANT SANTA CRUZ (Continued)** **1003878941**

| | |
|---|---|
| FF: | N |
| OU: | 00 |
| Action Code: | DS |
| Action Name: | DISCVRY |
| SEQ: | 1 |
| Start Date: | 1986-07-01 04:00:00 |
| Finish Date: | 1986-07-01 04:00:00 |
| Qual: | Not reported |
| Current Action Lead: | Other |

---

**90 NNW 1/4-1/2 0.287 mi. 1518 ft.** **SHELL OIL COMPANY #1** **ENVIROSTOR** **S101482442**
**728 CHESTNUT STREET** **N/A**
**SANTA CRUZ, CA 95060**

**Relative: Higher**
**Actual: 34 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | SHELL OIL COMPANY #1 |
| Address: | 728 CHESTNUT STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44510006 |
| Status: | Refer: RWQCB |
| Status Date: | 08/18/1989 |
| Site Code: | Not reported |
| Site Type: | Historical |
| Site Type Detailed: | * Historical |
| Acres: | Not reported |
| NPL: | NO |
| Regulatory Agencies: | NONE SPECIFIED |
| Lead Agency: | NONE SPECIFIED |
| Program Manager: | Not reported |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | * Rural County Survey Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Not reported |
| Latitude: | 36.97614 |
| Longitude: | -122.0295 |
| APN: | NONE SPECIFIED |
| Past Use: | NONE SPECIFIED |
| Potential COC: | NONE SPECIFIED |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | NONE SPECIFIED |
| Alias Name: | 44510006 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Discovery |
| Completed Date: | 08/18/1989 |
| Comments: | FACILITY IDENTIFIED 1955 CITY DIRECTORY OIL PRODUCER AND SHIPPER |
| Future Area Name: | Not reported |





**SHELL OIL COMPANY #1 (Continued)** **S101482442**

| | |
|---|---|
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

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**91 SW 1/4-1/2 0.322 mi. 1698 ft.** **SALVATION ARMY** **LUST** **S104228621**
**721 LAUREL ST** **Cortese** **N/A**
**SANTA CRUZ, CA 95060** **CERS**
**HWTS**

**Relative: Higher**
**Actual: 24 ft.**

LUST:

| | |
|---|---|
| Name: | SALVATION ARMY |
| Address: | 721 LAUREL ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | SANTA CRUZ COUNTY |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700171 |
| Global Id: | T0608700171 |
| Latitude: | 36.968064 |
| Longitude: | -122.030978 |
| Status: | Completed - Case Closed |
| Status Date: | 06/28/2000 |
| Case Worker: | Not reported |
| RB Case Number: | 3071 |
| Local Agency: | Not reported |
| File Location: | Not reported |
| Local Case Number: | Not reported |
| Potential Media Affect: | Under Investigation |
| Potential Contaminants of Concern: | Waste Oil / Motor / Hydraulic / Lubricating |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700171 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700171 |
| Action Type: | ENFORCEMENT |
| Date: | 09/04/2002 |
| Action: | Closure/No Further Action Letter |
| Global Id: | T0608700171 |
| Action Type: | ENFORCEMENT |
| Date: | 06/28/2000 |
| Action: | Closure/No Further Action Letter |
| Global Id: | T0608700171 |

**SALVATION ARMY (Continued)** **S104228621**

Action Type: Other
Date: 06/29/1999
Action: Leak Discovery

Global Id: T0608700171
Action Type: ENFORCEMENT
Date: 10/20/1999
Action: 13267 Requirement

Global Id: T0608700171
Action Type: Other
Date: 08/04/1999
Action: Leak Reported

Global Id: T0608700171
Action Type: REMEDIATION
Date: 04/05/2000
Action: Excavation

Global Id: T0608700171
Action Type: REMEDIATION
Date: 04/05/2000
Action: Pump & Treat (P&T) Groundwater

LUST:
Global Id: T0608700171
Status: Open - Case Begin Date
Status Date: 01/01/1975

Global Id: T0608700171
Status: Open - Site Assessment
Status Date: 01/01/1975

Global Id: T0608700171
Status: Completed - Case Closed
Status Date: 06/28/2000

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700171
Status: Preliminary site assessment underway
Case Number: 3071
Local Case Num: Not reported
Case Type: U
Substance: Motor Oil
Quantity: Not reported
Abatement Method: Other
Leak Source: Tank
Leak Cause: Corrosion
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 08/04/1999
Discovered Date: 6/29/99





**SALVATION ARMY (Continued)** **S104228621**

Enter Date: 10/26/1999
Stop Date: Not reported
Review Date: / /
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: Not reported
Responsible Party: SCOTT RAMSEY
RP Address: 721 LAUREL STREET
Contact: Not reported
Cross Street: BLACKBURN ST
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 1/1/75
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: 0
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 36.9684655 / -122.030583
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: 5.20
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: Not reported

CORTESE:
Name: SALVATION ARMY
Address: 721 LAUREL ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700171
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported

**SALVATION ARMY (Continued)** **S104228621**

| | |
|---|---|
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

CERS:

| | |
|---|---|
| Name: | SALVATION ARMY |
| Address: | 721 LAUREL ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 246209 |
| CERS ID: | T0608700171 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

HWTS:

| | |
|---|---|
| Name: | SALVATION ARMY |
| Address: | 721 LAUREL ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950624936 |
| EPA ID: | CAC002556492 |
| Inactive Date: | 08/19/2003 |
| Create Date: | 09/16/2002 |
| Last Act Date: | 08/19/2003 |
| Mailing Name: | Not reported |
| Mailing Address: | 721 LAUREL ST |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950624936 |
| Owner Name: | SALVATION ARMY |
| Owner Address: | 721 LAUREL ST |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | SANTA CRUZ, CA 950624936 |
| Contact Name: | CARLOS VIQUEZ |
| Contact Address: | 721 LAUREL ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950624936 |





**SALVATION ARMY (Continued)** **S104228621**

| | |
|---|---|
| Name: | THE SALVATION ARMY TERRITORIAL HEADQUARTERS |
| Address: | 721 LAUREL ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAC003086307 |
| Inactive Date: | 12/31/2020 |
| Create Date: | 10/01/2020 |
| Last Act Date: | 01/05/2021 |
| Mailing Name: | Not reported |
| Mailing Address: | 30840 HAWTHORN BLVD |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | RANCHO PALOS VERDES, CA 90275 |
| Owner Name: | THE SALVATION ARMY TERRITORIAL HQ |
| Owner Address: | 30840 HAWTHORN BLVD |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | RANCHO PALOS VERDES, CA 90275 |
| Contact Name: | LT. MIGUEL MORALES |
| Contact Address: | 721 LAUREL ST |
| Contact Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

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**92** **BOOMERANG PROPERTY** **LUST** **S108723421**
**SSE** **503-555 PACIFIC AVENUE** **Cortese** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **CERS**
**0.323 mi.**
**1704 ft.**

**Relative:**
**Lower**

**Actual:**
**13 ft.**

LUST:

| | |
|---|---|
| Name: | BOOMERANG PROPERTY |
| Address: | 503-555 PACIFIC AVENUE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608743945 |
| Global Id: | T0608743945 |
| Latitude: | 36.9666275589401 |
| Longitude: | -122.024701990213 |
| Status: | Completed - Case Closed |
| Status Date: | 10/17/2013 |
| Case Worker: | TAS |
| RB Case Number: | 768 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | Regional Board |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline, Other Petroleum |
| Site History: | Quarterly Monitoring and Sampling, well installation report due 10/20/2008; site under redevelopment. |

LUST:

| | |
|---|---|
| Global Id: | T0608743945 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

**BOOMERANG PROPERTY (Continued)** **S108723421**

LUST:

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 08/23/2007
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 11/16/2011
Action: File review

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 04/07/1999
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 07/08/2003
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 12/23/2003
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 04/16/1999
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 02/07/2001
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 09/20/1999
Action: 13267 Requirement

Global Id: T0608743945
Action Type: Other
Date: 08/23/2007
Action: Leak Began

Global Id: T0608743945
Action Type: RESPONSE
Date: 11/30/2012
Action: Conceptual Site Model

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 02/03/2009
Action: File review

Global Id: T0608743945





**BOOMERANG PROPERTY (Continued)** **S108723421**

Action Type: ENFORCEMENT
Date: 03/02/2011
Action: File review

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 05/02/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 10/24/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 09/26/2012
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 12/06/2010
Action: File review

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 07/19/2013
Action: 13267 Requirement

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 10/17/2013
Action: Closure/No Further Action Letter

Global Id: T0608743945
Action Type: Other
Date: 08/23/2007
Action: Leak Discovery

Global Id: T0608743945
Action Type: RESPONSE
Date: 04/28/2011
Action: Well Installation Report

Global Id: T0608743945
Action Type: ENFORCEMENT
Date: 10/13/2009
Action: File review

Global Id: T0608743945
Action Type: Other
Date: 08/23/2007
Action: Leak Reported

Global Id: T0608743945
Action Type: RESPONSE
Date: 01/08/1990

**BOOMERANG PROPERTY (Continued)** **S108723421**

Action: Unauthorized Release Form

Global Id: T0608743945
Action Type: RESPONSE
Date: 09/19/2013
Action: Well Destruction Report - Regulator Responded

Global Id: T0608743945
Action Type: RESPONSE
Date: 07/01/2013
Action: Other Report / Document - Regulator Responded

Global Id: T0608743945
Action Type: RESPONSE
Date: 09/18/2015
Action: Email Correspondence - Regulator Responded

Global Id: T0608743945
Action Type: REMEDIATION
Date: 08/23/2007
Action: Monitored Natural Attenuation

LUST:
Global Id: T0608743945
Status: Open - Case Begin Date
Status Date: 08/23/2007

Global Id: T0608743945
Status: Open - Site Assessment
Status Date: 08/23/2007

Global Id: T0608743945
Status: Open - Eligible for Closure
Status Date: 03/05/2013

Global Id: T0608743945
Status: Completed - Case Closed
Status Date: 10/17/2013

CORTESE:
Name: BOOMERANG PROPERTY
Address: 503-555 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608743945
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported





**BOOMERANG PROPERTY (Continued)** **S108723421**

Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: BOOMERANG PROPERTY
Address: 503-555 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 224241
CERS ID: T0608743945
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**T93** **OCEAN CHEVROLET** **Cortese** **S123759185**
**South** **555 PACIFIC AVE** **HAZNET** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **HWTS**
**0.324 mi.**
**1709 ft.** **Site 1 of 3 in cluster T**

**Relative:**
**Lower**
**Actual:**
**11 ft.**

CORTESE:
Name: OCEAN CHEVROLET
Address: 555 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700285
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported

**OCEAN CHEVROLET (Continued)** **S123759185**

| | |
|---|---|
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HAZNET:

| | |
|---|---|
| Name: | OCEAN CHEVROLET |
| Address: | 555 PACIFIC AVE |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact: | UNDELIVERABLE 93 FEE FORM |
| Telephone: | -- |
| Mailing Name: | Not reported |
| Mailing Address: | 555 PACIFIC AVE |
| Year: | 1991 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAD009452657 |
| CA Waste Code: | 343 - Unspecified organic liquid mixture |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.9382 |
| Year: | 1991 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAT080031628 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 2.2101 |
| Year: | 1990 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAD009452657 |
| CA Waste Code: | 343 - Unspecified organic liquid mixture |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.6255 |
| Year: | 1990 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAD000628149 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 1.7972 |
| Year: | 1990 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAD009452657 |
| CA Waste Code: | 214 - Unspecified solvent mixture |
| Disposal Method: | R01 - Recycler |





**OCEAN CHEVROLET (Continued)** **S123759185**

| | |
|---|---|
| Tons: | 3.2942 |
| Year: | 1989 |
| Gepaid: | CAD981983331 |
| TSD EPA ID: | CAD009452657 |
| CA Waste Code: | 214 - Unspecified solvent mixture |
| Disposal Method: | R01 - Recycler |
| Tons: | 3.3568 |

HWTS:

| | |
|---|---|
| Name: | OCEAN CHEVROLET |
| Address: | 555 PACIFIC AVE |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| EPA ID: | CAD981983331 |
| Inactive Date: | 06/30/1993 |
| Create Date: | 07/03/1987 |
| Last Act Date: | 07/10/2001 |
| Mailing Name: | Not reported |
| Mailing Address: | 555 PACIFIC AVE |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Owner Name: | -- |
| Owner Address: | -- |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | --, 99 -- |
| Contact Name: | UNDELIVERABLE 93 FEE FORM |
| Contact Address: | -- |
| Contact Address 2: | Not reported |
| City,State,Zip: | --, 99 -- |

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**T94** **OCEAN CHEVROLET** **LUST** **1000150321**
**South** **555 PACIFIC AT SYCAMORE** **HIST UST** **CAD981442973**
**1/4-1/2** **SANTA CRUZ, CA 95060** **RCRA NonGen / NLR**
**0.324 mi.** **HAZNET**
**1709 ft.** **Site 2 of 3 in cluster T** **Notify 65**
**HWTS**

**Relative:**
**Lower**

**Actual:**
**11 ft.**

LUST:

| | |
|---|---|
| Name: | OCEAN CHEVROLET |
| Address: | 555 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700285 |
| Global Id: | T0608700285 |
| Latitude: | 36.9670475950331 |
| Longitude: | -122.024659274869 |
| Status: | Completed - Case Closed |
| Status Date: | 10/13/1992 |
| Case Worker: | Not reported |
| RB Case Number: | 768 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | Not reported |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |

**OCEAN CHEVROLET (Continued)** **1000150321**

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700285
Action Type: ENFORCEMENT
Date: 12/13/2006
Action: Clean Up Fund - Letter to RP

Global Id: T0608700285
Action Type: Other
Date: 01/08/1990
Action: Leak Discovery

Global Id: T0608700285
Action Type: Other
Date: 02/08/1990
Action: Leak Reported

LUST:
Global Id: T0608700285
Status: Open - Case Begin Date
Status Date: 01/08/1990

Global Id: T0608700285
Status: Completed - Case Closed
Status Date: 10/13/1992

HIST UST:
Name: OCEAN CHEVROLET COMPANY
Address: 555 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020CD4
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020CD4.pdf
Region: STATE
Facility ID: 00000066236
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DAVE SPENCER
Telephone: 4084238100
Owner Name: STANLEY PROLO
Owner Address: 539 ISBEL DRIVE
Owner City,St,Zip: SANTA CRUZ, CA 95060
Total Tanks: 0002

Tank Num: 001
Container Num: I
Year Installed: 1980
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: X
Leak Detection: Visual

Tank Num: 002
Container Num: II





**OCEAN CHEVROLET (Continued)** **1000150321**

Year Installed: 1965
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

RCRA NonGen / NLR:
Date Form Received by Agency: 19860909
Handler Name: OCEAN CHEVROLET
Handler Address: 555 PACIFIC AT SYCAMORE
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAD981442973
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 555 PACIFIC AT SYCAMORE
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 408-423-8100
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: CA
State District: 2
Mailing Address: PACIFIC AT SYCAMORE
Mailing City,State,Zip: SANTA CRUZ, CA 95060
Owner Name: PAUL JOHN
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported

**OCEAN CHEVROLET (Continued)** **1000150321**

| | |
|---|---|
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PAUL JOHN |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |





**OCEAN CHEVROLET (Continued)** **1000150321**

| | |
|---|---|
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19860909 |
| Handler Name: OCEAN CHEVROLET | |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

HAZNET:

| | |
|---|---|
| Name: | OCEAN CHEVROLET |
| Address: | 555 PACIFIC AT SYCAMORE |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact: | UNDELIVERABLE FEE FORM 4-94 |
| Telephone: | -- |
| Mailing Name: | Not reported |
| Mailing Address: | 555 PACIFIC AT SYCAMORE |
| Year: | 1994 |
| Gepaid: | CAD981442973 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.) |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.123 |
| Year: | 1993 |
| Gepaid: | CAD981442973 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.) |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.7725 |
| Year: | 1993 |
| Gepaid: | CAD981442973 |

**OCEAN CHEVROLET (Continued)** **1000150321**

TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: -
Tons: 0.0615

Year: 1992
Gepaid: CAD981442973
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.69

Year: 1991
Gepaid: CAD981442973
TSD EPA ID: HYHQ36009069
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: 14 -
Tons: 0.369

Year: 1991
Gepaid: CAD981442973
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.3825

Year: 1990
Gepaid: CAD981442973
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.246

Additional Info:
Year: 1993
Gen EPA ID: CAD981442973

Shipment Date: 19931214
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931216
Manifest ID: 93119155
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0615
Waste Quantity: 123
Quantity Unit: P
Additional Code 1: Not reported





**OCEAN CHEVROLET (Continued)** **1000150321**

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19931116
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931118
Manifest ID: 93029719
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0615
Waste Quantity: 123
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19931019
Creation Date: 9/13/1995 0:00:00
Receipt Date: 19931021
Manifest ID: 93087139
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1095
Waste Quantity: 219
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930922
Creation Date: 9/13/1995 0:00:00
Receipt Date: 19930928
Manifest ID: 93088237

**OCEAN CHEVROLET (Continued)** **1000150321**

| | |
|---|---|
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc. |
| RCRA Code: | F005 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0615 |
| Waste Quantity: | 123 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930824 |
| Creation Date: | 9/12/1995 0:00:00 |
| Receipt Date: | 19930826 |
| Manifest ID: | 93003656 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc. |
| RCRA Code: | F005 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0615 |
| Waste Quantity: | 123 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930630 |
| Creation Date: | 9/9/1995 0:00:00 |
| Receipt Date: | 19930707 |
| Manifest ID: | 92559645 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc. |





**OCEAN CHEVROLET (Continued)** **1000150321**

| | |
|---|---|
| RCRA Code: | F005 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0615 |
| Waste Quantity: | 123 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930601 |
| Creation Date: | 9/7/1995 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 92612331 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc. |
| RCRA Code: | F005 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0615 |
| Waste Quantity: | 123 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19930503 |
| Creation Date: | 9/8/1995 0:00:00 |
| Receipt Date: | 19930506 |
| Manifest ID: | 92575306 |
| Trans EPA ID: | ILD051060408 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD051060408 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc. |
| RCRA Code: | F005 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0615 |
| Waste Quantity: | 123 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

**OCEAN CHEVROLET (Continued)** **1000150321**

Additional Code 5: Not reported

Shipment Date: 19930407
Creation Date: 9/6/1995 0:00:00
Receipt Date: 19930413
Manifest ID: 92579115
Trans EPA ID: ILD051060408
Trans Name: Not reported
Trans 2 EPA ID: ILD051060408
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1095
Waste Quantity: 219
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930309
Creation Date: 9/7/1995 0:00:00
Receipt Date: 19930311
Manifest ID: 92537471
Trans EPA ID: ILD051060408
Trans Name: Not reported
Trans 2 EPA ID: ILD051060408
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0615
Waste Quantity: 123
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD981442973

Shipment Date: 19940207
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940210





**OCEAN CHEVROLET (Continued)** **1000150321**

Manifest ID: 93067042
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0615
Waste Quantity: 123
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940113
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19940118
Manifest ID: 93025039
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0615
Waste Quantity: 123
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NOTIFY 65:
Name: OCEARN CHEVROLET
Address: 555 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 93117
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported

**OCEAN CHEVROLET (Continued)** **1000150321**

Status: Not reported

HWTS:

| | |
|---|---|
| Name: | OCEAN CHEVROLET |
| Address: | 555 PACIFIC AT SYCAMORE |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| EPA ID: | CAD981442973 |
| Inactive Date: | 06/30/1994 |
| Create Date: | 04/10/1987 |
| Last Act Date: | 08/10/2004 |
| Mailing Name: | Not reported |
| Mailing Address: | 555 PACIFIC AT SYCAMORE |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Owner Name: | -- |
| Owner Address: | -- |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | --, 99 -- |
| Contact Name: | UNDELIVERABLE FEE FORM 4-94 |
| Contact Address: | -- |
| Contact Address 2: | Not reported |
| City,State,Zip: | --, 99 -- |

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**T95 South 1/4-1/2 0.324 mi. 1709 ft.** **Site 3 of 3 in cluster T**

**Relative: Lower**

**Actual: 11 ft.**

**OCEAN CHEVROLET** **RCRA-SQG** **1000150325**
**555 PACIFIC AVE** **LUST** **CAD981983331**
**SANTA CRUZ, CA 95060** **SWEEPS UST**
**CA FID UST**
**FINDS**
**ECHO**
**CERS**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 19960901 |
| Handler Name: | OCEAN CHEVROLET |
| Handler Address: | 555 PACIFIC AVE |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD981983331 |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | PACIFIC AVE |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | ERNIE GRABSTEIN |





**OCEAN CHEVROLET (Continued)** **1000150325**

| | |
|---|---|
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |

**OCEAN CHEVROLET (Continued)** **1000150325**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ERNIE GRABSTEIN
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: OCEAN CHEVROLET
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST REG 3:
Region: 3





**OCEAN CHEVROLET (Continued)** **1000150325**

Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700285
Status: Case Closed
Case Number: 768
Local Case Num: Not reported
Case Type: O
Substance: Unleaded Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: Tank
Leak Cause: Corrosion
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 02/08/1990
Discovered Date: 1/8/90
Enter Date: 03/02/1990
Stop Date: Not reported
Review Date: 03/02/1990
Enforce Date: Not reported
Close Date: 10/13/92
Enforcement Type: Not reported
Responsible Party: DAVE SPENCER/JIM CORDEZ
RP Address: P.O BOX 1081
Contact: Not reported
Cross Street: SYCAMORE STREET
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9671076 / -122.0245198
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC

**OCEAN CHEVROLET (Continued)** **1000150325**

Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: A PRELIMINARY SITE ASSESSMENT WORKPLAN IS BEING PREPARED FORSUBMITTAL + APPROVAL BY SANTA CRUZ ENVIRONMENTAL HEALTH SERVICES.

SWEEPS UST:
Name: OCEAN CHEVROLET COMPANY
Address: 555 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 66236
Number: Not reported
Board Of Equalization: 44-027176
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-066236-000001
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Name: OCEAN CHEVROLET COMPANY
Address: 555 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 66236
Number: Not reported
Board Of Equalization: 44-027176
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-066236-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: OCEAN CHEVROLET COMPANY
Address: 555 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 66236
Number: Not reported
Board Of Equalization: 44-027176
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported





**OCEAN CHEVROLET (Continued)** **1000150325**

Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-066236-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 44000356
Regulated By: UTNKI
Regulated ID: 00066236
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4084238100
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA CRUZ 95060
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:
Registry ID: 110002764492

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000150325
Registry ID: 110002764492
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002764492
Name: OCEAN CHEVROLET
Address: 555 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060

CERS:
Name: OCEAN CHEVROLET
Address: 555 PACIFIC AVE

**OCEAN CHEVROLET (Continued)** **1000150325**

City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 235220
CERS ID: T0608700285
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

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**U96** **SANTA CRUZ HIGH SCHOOL AUTO** **LUST** **S101594756**
**WSW** **415 WALNUT ST** **CERS HAZ WASTE** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **SWEEPS UST**
**0.335 mi.** **CA FID UST**
**1767 ft.** **Site 1 of 2 in cluster U** **Cortese**
**CERS**

**Relative:**
**Higher**

**Actual:**
**42 ft.**

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700278
Status: Case Closed
Case Number: 727
Local Case Num: Not reported
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: Tank
Leak Cause: Corrosion
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 12/06/1989
Discovered Date: 9/13/89
Enter Date: 12/09/1989
Stop Date: Not reported
Review Date: 12/09/1989
Enforce Date: Not reported
Close Date: 1/19/90
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: TAYLOR STREET
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported





**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: S
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9718055 / -122.0333841
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: CASE CLOSED

CERS HAZ WASTE:
Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 150958
CERS ID: 10192684
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 24625
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-024625-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE

**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Content: WASTE OIL
Number Of Tanks: 1

CA FID UST:
Facility ID: 44001253
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4084293904
Mail To: Not reported
Mailing Address: 133 MISSION ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA CRUZ 95060
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CORTESE:
Name: SANTA CRUZ HIGH SCHOOL AUTO
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700278
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SANTA CRUZ HIGH SCHOOL AUTO
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 191879
CERS ID: T0608700278
CERS Description: Leaking Underground Storage Tank Cleanup Site





**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 150958
CERS ID: 10192684
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 11-13-2014
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 09/01/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 08-29-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Hazardous materials/waste, in the auto shop area, have not been reported on inventory forms. Please list oil, waste oil, waste antifreeze,used oil filters, parts cleaner, and any other hazardous material/waste not previously identified.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 08-29-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Properly segregate and label waste chemicals from the chemistery and biology rooms. Arrange for disposal with a hazardous waste hauler.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 08-31-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the

**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/01/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 11-13-2014
Citation: 40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description: Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes: Returned to compliance on 08/31/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 08-31-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 09/01/2016. OBSERVATION: An Emergency Response Plan and procedures has not been updated and submitted electronically to the CUPA. CORRECTIVE ACTION: Update the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System (CERS). Spill control equipment was not available in the Biology Room. Ensure that under the updated Emergency Response Plan mitigation measures are available in the Biology room.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 11-13-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 09/01/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP





**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Violation Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Violation Date: 11-13-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/31/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 3-21-2014. Annual submission required .ER plan outdated, new plan based on the template provided in CERS is required. Mitigation measures must be available in the Biology Room. New CERS submittal and updated ER plan submitted 8/31/2016. Violations corrected.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Permit current. CERS submitted 3/2019. OK. Post emergency response procedures outside the flammable storage room in the science building. Properly identify chemical wastes for prope storage, transport/disposal. Sign the temporary storage room as Hazardous Waste Storage. Update the inventory of chemicals, in the Business Plan, with the addition of hazardous material/wastes located in the Auto Shop area.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No issues were discovered with the hazardous waste storage areas in the Auto Shop. No waste at this time in the chemistry/biology areas.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2014

**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Site Address: 415 WALNUT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 11-13-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Site Address: 415 WALNUT ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 11-13-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 150958
Site Name: SANTA CRUZ HIGH SCHOOL
Site Address: 415 WALNUT ST
Site City: SANTA CRUZ
Site Zip: 95060





**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Enf Action Date: 08-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Document Preparer
Entity Name: Laura Spilman
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 401 Old San Jose Rd
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95073
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Santa Cruz City School District
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Paul Lipscomb
Entity Title: Not reported
Affiliation Address: 401 Old San Jose Rd.
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95073

**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S101594756**

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: SANTA CRUZ CITY SCHOOL DIST
Entity Title: Not reported
Affiliation Address: 401 Old San Jose Rd
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95073
Affiliation Phone: (831) 429-3410,

Affiliation Type Desc: Identification Signer
Entity Name: Trevor Miller
Entity Title: Director, Facility Services
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: TREVOR MILLER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 212-6089,

Affiliation Type Desc: Property Owner
Entity Name: SANTA CRUZ CITY SCHOOL DIST
Entity Title: Not reported
Affiliation Address: 401 Old San Jose Rd.
Affiliation City: Soquel
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95073
Affiliation Phone: (831) 429-3410,

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**U97** **SANTA CRUZ HIGH SCHOOL AUTO** **LUST** **S100179378**
**WSW** **415 WALNUT ST** **CUPA Listings** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **HIST CORTESE**
**0.335 mi.** **Notify 65**
**1767 ft.** **Site 2 of 2 in cluster U**

**Relative:** **Higher**
**Actual:** **42 ft.**

LUST:
Name: SANTA CRUZ HIGH SCHOOL AUTO
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: SANTA CRUZ COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700278
Global Id: T0608700278
Latitude: 36.97129





**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S100179378**

Longitude: -122.033088
Status: Completed - Case Closed
Status Date: 01/19/1990
Case Worker: Not reported
RB Case Number: 727
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700278
Action Type: ENFORCEMENT
Date: 01/19/1990
Action: Closure/No Further Action Letter

Global Id: T0608700278
Action Type: Other
Date: 09/13/1989
Action: Leak Discovery

Global Id: T0608700278
Action Type: Other
Date: 12/06/1989
Action: Leak Reported

LUST:
Global Id: T0608700278
Status: Open - Case Begin Date
Status Date: 09/13/1989

Global Id: T0608700278
Status: Completed - Case Closed
Status Date: 01/19/1990

CUPA SANTA CRUZ:
Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002891
Cross Street: Not reported
Description: HMMP STANDARD FORM FILING FEE

Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002891
Cross Street: Not reported
Description: HMMP STANDARD FORM QR 2

Name: SANTA CRUZ HIGH SCHOOL
Address: 415 WALNUT ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002891

**SANTA CRUZ HIGH SCHOOL AUTO (Continued)** **S100179378**

Cross Street: Not reported
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

HIST CORTESE:
edr_fname: SANTA CRUZ HIGH SCHOOL AU
edr_fadd1: 415 WALNUT
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 727

NOTIFY 65:
Name: SANTA CRUZ HIGH SCHOOL,AUTO
Address: 415 WALNUT
City,State,Zip: SANTA CRUZ, CA 93117
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

---

**V98 SSW 1/4-1/2 0.338 mi. 1785 ft.** **Site 1 of 2 in cluster V**

**PERRIGOS AUTO BODY** **RCRA-SQG** **1000361877**
**251 WASHINGTON ST** **ENVIROSTOR** **CAD981389380**
**SANTA CRUZ, CA 95060** **FINDS**
**ECHO**
**CUPA Listings**

**Relative: Lower**
**Actual: 11 ft.**

RCRA-SQG:
Date Form Received by Agency: 19860220
Handler Name: PERRIGOS AUTO BODY
Handler Address: 251 WASHINGTON ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAD981389380
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 251 WASHINGTON ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 408-423-3251
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 2
Mailing Address: WASHINGTON ST
Mailing City,State,Zip: SANTA CRUZ, CA 95060
Owner Name: RON PERRIGO SR





**PERRIGOS AUTO BODY (Continued)** **1000361877**

Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20000915
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No

**PERRIGOS AUTO BODY (Continued)** **1000361877**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: RON PERRIGO SR
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860220
Handler Name: PERRIGOS AUTO BODY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: PERRIGO'S AUTO BODY SHOP





**PERRIGOS AUTO BODY (Continued)** **1000361877**

Address: 251 WASHINGTON STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44720002
Status: Refer: Other Agency
Status Date: 03/25/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.96670
Longitude: -122.0280
APN: 005-161-07
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 005-161-07
Alias Type: APN
Alias Name: 44720002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:
Registry ID: 110002690963

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for

**PERRIGOS AUTO BODY (Continued)** **1000361877**

generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000361877
Registry ID: 110002690963
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002690963
Name: PERRIGOS AUTO BODY
Address: 251 WASHINGTON ST
City,State,Zip: SANTA CRUZ, CA 95060

CUPA SANTA CRUZ:
Name: PERRIGO AUTO BODY & REPAIR
Address: 251 WASHINGTON ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002897
Cross Street: LAUREL
Description: HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

Name: PERRIGO AUTO BODY & REPAIR
Address: 251 WASHINGTON ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002897
Cross Street: LAUREL
Description: HMMP SHORT FORM BASE FEE

Name: PERRIGO AUTO BODY & REPAIR
Address: 251 WASHINGTON ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002897
Cross Street: LAUREL
Description: HMMP SHORT FORM 2 HAZ CLASSES

---

**V99 SSW 1/4-1/2 0.341 mi. 1801 ft.** **UNION ICE PROPERTY**
**2 JENNE ST**
**SANTA CRUZ, CA 95060**
**Site 2 of 2 in cluster V**

**LUST S101304419**
**Cortese N/A**
**HIST CORTESE**
**CERS**

**Relative: Lower**
**Actual: 12 ft.**

LUST:
Name: UNION ICE PROPERTY
Address: 2 JENNE ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700044
Global Id: T0608700044
Latitude: 36.9667506
Longitude: -122.0284739





**UNION ICE PROPERTY (Continued)** **S101304419**

Status: Completed - Case Closed
Status Date: 04/02/2001
Case Worker: TAS
RB Case Number: 2234
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: 136 CY CONTAMINATED SOIL REMOVED. May 16, 1995 Well destruction request for final Case Closure - See 155 Chestnut (same site)

LUST:
Global Id: T0608700044
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0608700044
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CRUZ COUNTY
Address: Not reported
City: SANTA CRUZ
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 02/07/1995
Action: 13267 Requirement

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 11/10/1994
Action: 13267 Requirement

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 02/03/2009
Action: File review

Global Id: T0608700044
Action Type: RESPONSE
Date: 04/02/2001
Action: Other Report / Document

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 05/07/1992
Action: 13267 Requirement

**UNION ICE PROPERTY (Continued)** **S101304419**

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 03/15/1994
Action: 13267 Monitoring Program

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 10/06/1992
Action: 13267 Requirement

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 11/21/1994
Action: 13267 Requirement

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 05/16/1995
Action: Notification - Preclosure

Global Id: T0608700044
Action Type: ENFORCEMENT
Date: 02/09/2010
Action: File review

Global Id: T0608700044
Action Type: Other
Date: 10/06/1992
Action: Leak Reported

Global Id: T0608700044
Action Type: REMEDIATION
Date: 05/07/1992
Action: Monitored Natural Attenuation

LUST:
Global Id: T0608700044
Status: Open - Case Begin Date
Status Date: 05/07/1992

Global Id: T0608700044
Status: Open - Verification Monitoring
Status Date: 05/16/1995

Global Id: T0608700044
Status: Completed - Case Closed
Status Date: 04/02/2001

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700044
Status: Post remedial action monitoring
Case Number: 2234





**UNION ICE PROPERTY (Continued)** **S101304419**

Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: OM
Release Date: 10/06/1992
Discovered Date: Not reported
Enter Date: 09/03/1992
Stop Date: Not reported
Review Date: / /
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: Not reported
Responsible Party: SAUL WEINGARTEN
RP Address: 1123 FREMONT BLVD SUITE D
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 01/01/1975
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9667506 / -122.0284739
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: ADDITIONAL MONITORING WELL REQUESTED

**UNION ICE PROPERTY (Continued)** **S101304419**

CORTESE:

| | |
|---|---|
| Name: | UNION ICE PROPERTY |
| Address: | 2 JENNE ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700044 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | UNION ICE PROPERTY |
| edr_fadd1: | 2 JENNE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 2234 |

CERS:

| | |
|---|---|
| Name: | UNION ICE PROPERTY |
| Address: | 2 JENNE ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 222986 |
| CERS ID: | T0608700044 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | UST CASE WORKER - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |





**UNION ICE PROPERTY (Continued)** **S101304419**

| | |
|---|---|
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

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**100 North 1/4-1/2 0.347 mi. 1834 ft.**

**Relative: Higher**

**Actual: 22 ft.**

**BIBBINS PROPERTIES**
**2020 NORTH PACIFIC AVENUE**
**SANTA CRUZ, CA 95060**

**CPS-SLIC** **S112833012**
**CERS** **N/A**

CPS-SLIC:

| | |
|---|---|
| Name: | BIBBINS PROPERTIES |
| Address: | 2020 NORTH PACIFIC AVENUE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | STATE |
| **Facility Status:** | **Completed - Case Closed** |
| Status Date: | 09/17/2019 |
| Global Id: | T10000004553 |
| Lead Agency: | SANTA CRUZ COUNTY |
| Lead Agency Case Number: | RO0000334 |
| Latitude: | 36.977575 |
| Longitude: | -122.026828 |
| Case Type: | Cleanup Program Site |
| Case Worker: | JBG |
| Local Agency: | SANTA CRUZ COUNTY |
| RB Case Number: | Not reported |
| File Location: | Local Agency |
| Potential Media Affected: | Indoor Air, Soil, Soil Vapor, Under Investigation |
| Potential Contaminants of Concern: | Arsenic, Lead, Diesel, Waste Oil / Motor / Hydraulic / Lubricating |
| Site History: | 01/28/2013, SCCEHS reviewed 9/5/12 Phase I/II ESA. Elevated concentrations of TPHd, TPHmo, lead, and arsenic discovered in soil. CCRWQCB determined that no groundwater case will be opened at this time. Prepared letter requiring further characterization of soil and soil-gas conditions at site. 05/06/2014. SCCEHS. New RP, Lighthouse Bank. Will initiate VCP case. 05/21/2015. SCCEHS approved DRAP, DRAP Addendum, and DRAP Addendum #2 proposing limited excavation, off-site disposal, and institutional controls. |

Click here to access the California GeoTracker records for this facility:

CERS:

| | |
|---|---|
| Name: | BIBBINS PROPERTIES |
| Address: | 2020 NORTH PACIFIC AVENUE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 212522 |
| CERS ID: | T10000004553 |
| CERS Description: | Cleanup Program Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | JOHN GERBRANDT - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 OCEAN STREET, SUITE 312 |

**BIBBINS PROPERTIES (Continued)** **S112833012**

Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**101 South 1/4-1/2 0.383 mi. 2022 ft.** **FORMER BULK PLANT** **CPS-SLIC** **S105619069**
**123 CENTER ST** **CERS** **N/A**
**SANTA CRUZ, CA 95060**

**Relative: Lower**
**Actual: 12 ft.**

SLIC REG 3:
Name: FORMER BULK PLANT
Address: 123 CENTER ST
City: SANTA CRUZ
Region: 3
Leak Site Cross Street: Not reported
Regional Board Case#: S301
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: MICHAEL WILLIAMS, TRUSTEE
Responsible Party: MICHAEL WILLIAMS
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 345 MOORE ST
RP City,St,Zip: SANTA CRUZ, CA 95060
Date First Reported: 23-Sep-02
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Case Closed
Case Type: Undefined
Case Type Undetermined: Yes
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: No
Case Type Other Grnd Wtr: No
PCA: Not reported

CPS-SLIC:
Name: FORMER BULK PLANT
Address: 123 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: STATE
**Facility Status: Completed - Case Closed**
Status Date: 08/23/2004
Global Id: SL0608717300
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 36.965404
Longitude: -122.025599
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported





**FORMER BULK PLANT (Continued)** **S105619069**

RB Case Number: S301
File Location: Not reported
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: FORMER BULK PLANT
Address: 123 CENTER ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 209319
CERS ID: SL0608717300
CERS Description: Cleanup Program Site

---

**W102 South 1/4-1/2 0.385 mi. 2034 ft.** **SANITARY PLUMBING & HEATING CO** **Notify 65** **U000060113**
**413 PACIFIC AVENUE** **N/A**
**SANTA CRUZ, CA 93117**
**Site 1 of 2 in cluster W**

**Relative: Higher**
**Actual: 15 ft.**

NOTIFY 65:
Name: SANITARY PLUMBING & HEATING CO
Address: 413 PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 93117
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

---

**W103 South 1/4-1/2 0.385 mi. 2034 ft.** **SANITARY PLUMBING & HEATING CO** **LUST** **U001601993**
**413 PACIFIC AVE** **SWEEPS UST** **N/A**
**SANTA CRUZ, CA 95060** **HIST UST**
**Cortese**
**Site 2 of 2 in cluster W** **HIST CORTESE**
**CERS**

**Relative: Higher**
**Actual: 15 ft.**

LUST:
Name: SANITARY PLUMBING & HEATING CO
Address: 413 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700184
Global Id: T0608700184
Latitude: 36.9659036
Longitude: -122.0251588
Status: Completed - Case Closed
Status Date: 01/26/1996
Case Worker: Not reported

**SANITARY PLUMBING & HEATING CO (Continued)** **U001601993**

RB Case Number: 342
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700184
Action Type: Other
Date: 11/29/1988
Action: Leak Stopped

Global Id: T0608700184
Action Type: ENFORCEMENT
Date: 01/26/1996
Action: Closure/No Further Action Letter

Global Id: T0608700184
Action Type: Other
Date: 11/29/1988
Action: Leak Discovery

Global Id: T0608700184
Action Type: ENFORCEMENT
Date: 03/01/1996
Action: Closure/No Further Action Letter

Global Id: T0608700184
Action Type: Other
Date: 01/19/1989
Action: Leak Reported

LUST:
Global Id: T0608700184
Status: Open - Case Begin Date
Status Date: 11/29/1988

Global Id: T0608700184
Status: Open - Site Assessment
Status Date: 02/01/1989

Global Id: T0608700184
Status: Completed - Case Closed
Status Date: 01/26/1996

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700184
Status: Case Closed
Case Number: 342
Local Case Num: Not reported
Case Type: O





**SANITARY PLUMBING & HEATING CO (Continued)** **U001601993**

Substance: Gasoline
Quantity: Not reported
Abatement Method: Other
Leak Source: Other Source
Leak Cause: Overfill
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 01/19/1989
Discovered Date: 11/29/88
Enter Date: / /
Stop Date: 11/29/88
Review Date: 05/05/1993
Enforce Date: Not reported
Close Date: 1/26/96
Enforcement Type: Not reported
Responsible Party: SAME
RP Address: 413 PACIFIC AVENUE
Contact: Not reported
Cross Street: WASHINGTON STREET
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 02/01/1989
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9659036 / -122.0251588
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 1C1
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: ADDITIONAL INVESTIGATION TO BE PERFORMED.

SWEEPS UST:
Name: SANITARY PLUMBING & HEATING CO

**SANITARY PLUMBING & HEATING CO (Continued)** **U001601993**

Address: 413 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 51575
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-051575-000001
Tank Status: Not reported
Capacity: 300
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
Name: SANITARY PLUMBING AND HEATING CO
Address: 413 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020CA8
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020CA8.pdf
Region: STATE
Facility ID: 00000051575
Facility Type: Other
Other Type: PLUMBING, HEATING
Contact Name: RON VICTORINO
Telephone: 4084230972
Owner Name: SANITARY PLUMBING & HEATING CO
Owner Address: 413 PACIFIC AVE.
Owner City,St,Zip: SANTA CRUZ, CA 95060
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000300
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CORTESE:
Name: SANITARY PLUMBING & HEATING CO
Address: 413 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700184
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED





**SANITARY PLUMBING & HEATING CO (Continued)** **U001601993**

Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: SANITARY PLUMBING & HEATI
edr_fadd1: 413 PACIFIC
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 342

CERS:
Name: SANITARY PLUMBING & HEATING CO
Address: 413 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 228644
CERS ID: T0608700184
CERS Description: Leaking Underground Storage Tank Cleanup Site

---

**X104** **7-ELEVEN INC. STORE# 38004** **CERS HAZ WASTE** **S101625291**
**NW** **335 MISSION ST** **SWEEPS UST** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **CA FID UST**
**0.387 mi.** **CERS TANKS**
**2046 ft.** **Site 1 of 3 in cluster X** **DEED**
**CUPA Listings**
**Relative:** **HAZNET**
**Higher** **CERS**
**Actual:** **HWTS**
**84 ft.**

CERS HAZ WASTE:
Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 79730
CERS ID: 10192453
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: BEACON STATION #528
Address: 335 MISSION
City: SANTA CRUZ

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Status: Active
Comp Number: 38885
Number: 1
Board Of Equalization: 44-000030
Referral Date: 04-03-90
Action Date: 04-03-90
Created Date: 12-31-88
Owner Tank Id: 528-3DW
SWRCB Tank Id: 44-000-038885-000001
Tank Status: A
Capacity: 10000
Active Date: 04-03-90
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Name: BEACON STATION #528
Address: 335 MISSION
City: SANTA CRUZ
Status: Active
Comp Number: 38885
Number: 1
Board Of Equalization: 44-000030
Referral Date: 04-03-90
Action Date: 04-03-90
Created Date: 12-31-88
Owner Tank Id: 528-1-W
SWRCB Tank Id: 44-000-038885-000002
Tank Status: A
Capacity: 10000
Active Date: 04-03-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BEACON STATION #528
Address: 335 MISSION
City: SANTA CRUZ
Status: Active
Comp Number: 38885
Number: 1
Board Of Equalization: 44-000030
Referral Date: 04-03-90
Action Date: 04-03-90
Created Date: 12-31-88
Owner Tank Id: 528-2-DW
SWRCB Tank Id: 44-000-038885-000003
Tank Status: A
Capacity: 10000
Active Date: 04-03-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Name: BEACON STATION #528
Address: 335 MISSION
City: SANTA CRUZ
Status: Active
Comp Number: 38885
Number: 1
Board Of Equalization: 44-000030
Referral Date: 04-03-90
Action Date: 04-03-90
Created Date: 12-31-88
Owner Tank Id: #528-5
SWRCB Tank Id: 44-000-038885-000004
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 44000021
Regulated By: UTNKA
Regulated ID: 00038885
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4084263595
Mail To: Not reported
Mailing Address: 525 W 003RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA CRUZ 95060
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS TANKS:
Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 79730
CERS ID: 10192453
CERS Description: Underground Storage Tank

DEED:
Name: ULTRAMAR BEACON #528
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: T0608700260
Area: Not reported
Sub Area: Not reported
Site Type: LUFT
Status: COMPLETED - CASE CLOSED

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 01/22/2013
File Name: Geotracker Land Use/Deed Restrictions

CUPA SANTA CRUZ:
Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002620
Cross Street: CHESTNUT ST
Description: UNDERGROUND STORAGE TANK PROGRAM

Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002620
Cross Street: CHESTNUT ST
Description: STATE UST SURCHARGE

Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002620
Cross Street: CHESTNUT ST
Description: HMMP STANDARD FORM FILING FEE

Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002620
Cross Street: CHESTNUT ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: 7-ELEVEN INC. STORE# 38004
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002620
Cross Street: CHESTNUT ST
Description: HMMP STANDARD FORM QR 3

HAZNET:
Name: VALERO CORNER STORE 3528
Address: 335 MISSION ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950603732
Contact: SANDY HUFF
Telephone: 5595833298
Mailing Name: Not reported
Mailing Address: 685 W THIRD ST

Year: 2016
Gepaid: CAL000383997
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.1575

Year: 2016
Gepaid: CAL000383997
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.819

Year: 2015
Gepaid: CAL000383997
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0375

Year: 2014
Gepaid: CAL000383997
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.84

Year: 2014
Gepaid: CAL000383997
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0375

Year: 2013
Gepaid: CAL000383997
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 8.34

Year: 2013
Gepaid: CAL000383997
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.05

Additional Info:
Year: 2013
Gen EPA ID: CAL000383997

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Shipment Date: 20131217
Creation Date: 5/14/2014 22:15:08
Receipt Date: 20131226
Manifest ID: 005763262FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131105
Creation Date: 1/6/2014 22:15:06
Receipt Date: 20131106
Manifest ID: 008724781JJK
Trans EPA ID: CAD072953771
Trans Name: UNITED PUMPING SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 8.34
Waste Quantity: 2000
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000383997

Shipment Date: 20150512
Creation Date: 11/6/2015 22:15:39
Receipt Date: 20150520





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Manifest ID: 007646246FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000383997

Shipment Date: 20150512
Creation Date: 11/6/2015 22:15:39
Receipt Date: 20150520
Manifest ID: 007646246FLE
Trans EPA ID: CAR000183913
Trans Name: BELSHIRE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000383997

Shipment Date: 20141104

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

| | |
|---|---|
| Creation Date: | 7/3/2015 13:46:58 |
| Receipt Date: | 20141113 |
| Manifest ID: | 007638223FLE |
| Trans EPA ID: | CAR000183913 |
| Trans Name: | BELSHIRE |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO KERDOON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.84 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 20140916 |
| Creation Date: | 2/12/2015 22:14:58 |
| Receipt Date: | 20140924 |
| Manifest ID: | 007626351FLE |
| Trans EPA ID: | CAR000183913 |
| Trans Name: | BELSHIRE |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY NEVADA OPERATIONS |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.0375 |
| Waste Quantity: | 75 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

CERS:

| | |
|---|---|
| Name: | 7-ELEVEN INC. STORE# 38004 |
| Address: | 335 MISSION ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 79730 |
| CERS ID: | 10192453 |
| CERS Description: | Chemical Storage Facilities |





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Violations:

| | |
|---|---|
| Site ID: | 79730 |
| Site Name: | 7-ELEVEN INC. STORE# 38004 |
| Violation Date: | 04-19-2018 |
| Citation: | 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2) |
| Violation Description: | Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected. |
| Violation Notes: | Returned to compliance on 04/19/2018. Mechanical line leak detector on product 91 octane failed. Technician replaced the line leak detector, (like for like) at time of inspection. |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS, |

| | |
|---|---|
| Site ID: | 79730 |
| Site Name: | 7-ELEVEN INC. STORE# 38004 |
| Violation Date: | 04-16-2019 |
| Citation: | 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G) |
| Violation Description: | Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months. |
| Violation Notes: | Returned to compliance on 04/16/2019. Overfill prevention system was required to be tested in October 2018. The system was tested and passed this date. Note violation, and then mark as in compliance. |
| Violation Division: | Santa Cruz County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS, |

| | |
|---|---|
| Site ID: | 79730 |
| Site Name: | 7-ELEVEN INC. STORE# 38004 |
| Violation Date: | 04-21-2017 |

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 05/19/2017. OBSERVATION. The owner or operator shall inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. CORRECTIVE ACTION: Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004
Violation Date: 06-11-2019
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: OBSERVATION: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify CUPA of testing and submit results. All tested components faild testing. Retest after repair or replacement of affected systems.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004
Violation Date: 04-13-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 06/29/2020. The two outer spill buckets failed the testing. They are also reported to have a capacity of less than the required 5 Gallons. Repair or replace the spill buckets so that they have at minimum a capacity of 5 gallons and pass the leak test.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Violation Date: 04-21-2017
Citation: HSC 6.5 25244.19 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.19
Violation Description: Failure of a generator to conduct, when required, a source reduction evaluation review and plan every four years, and/or failure of the review and plan to contain all required information.
Violation Notes: Returned to compliance on 05/19/2017. OBSERVATION: No label was found on the white 5 gallon bucket stored in the back of the store]. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004
Violation Date: 04-16-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 04/29/2019. Premium spill bucket failed the leak test. Please replaace/repair under permit.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Eval General Type: Other/Unknown
Eval Date: 02-26-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Secondary containment testing by Tanknology this date. All components of the secondary containment system failed. Arrange for repair or replacement of all approriate parts of the secondary containment system . Retest all components to assure proper operation.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Modified Monitoring System Certification by Service Station Systems. Cold start board upgrade for TLS System. Problem with 89 annular sensor . Will be replaced and retested . Overfill alarms tested.OK. Dispenser pan sensors STP and fill sump sensors ok.
Eval Division: Santa Cruz County Environmental Health





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-13-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by Mr. Ethan Valburg, Environmental Contact. Monitoring System Certification, Spill Bucket and MLLD testing by Tanknology, With the exception of Two Spill Buckets, all other systems tested, passed. the failing Spill Buckets were the outer ones. The Owner's or Operator's signatures were not obtained on the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 2/2016, OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: No
Eval Type: Routine done by local agency

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS 1/2019. OK. Permit current. Overfill system test is late. Tested this date and the violation was corrected. Premium spill bucket failed tightness test. Apply for a modification permit to repair or replace.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to witness the annual certification testing done by Tanknology. All sensors passed, sensor out and fail safe passed. Probes passed, spill buckets passed. mechanical line leak detector failed for 91 product. Technician replaced the line leak detector at time of inspection. D.O. reports were up to date. Training is done yearly. Hazardous waste manifests are kept on site. Hazardous waste containers have the proper labels on them.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 1/11/2017. Maintain weekly inspections of hazardous waste storage areas, Label all containers of hazardous waste Updated 5-15-2017 to remove Financial Certification Violation. Financial Certification Submitted 12-14-2016. OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tanknolosy doing monitoring Cert this date. 89 annular sensor replaced , retested and passed . CERS submitted on 2//29/2016. OK. Triton will be testing spill buckets at a later date. CERS submitted 2/16. OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Triton doing SB 989 testing this date. All sumps, piping secondary, annular spaces, dispenser pans, and spill buckets passed. Results to be sent in within 30 days.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to witness overfill prevention testing. Audible and visual alarm was tested and passed. Flapper valves were removed, tested, and passed.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004
Site Address: 335 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-19-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 79730
Site Name: 7-ELEVEN INC. STORE# 38004
Site Address: 335 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-21-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 79730
Facility Name: 7-ELEVEN INC. STORE# 38004
Env Int Type Code: HWG
Program ID: 10192453





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.976050
Longitude: -122.032290

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson, Stantec
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711,

Affiliation Type Desc: Environmental Contact
Entity Name: ETHAN VALBURG
Entity Title: Not reported
Affiliation Address: P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75221
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711,

Affiliation Type Desc: UST Permit Applicant
Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 771-5484,

Affiliation Type Desc: UST Property Owner Name
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O. BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Operator
Entity Name: OM Group Oil, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported





**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Affiliation Phone: (831) 426-3595,

Affiliation Type Desc: UST Tank Operator
Entity Name: OM Group Oil, Inc.
Entity Title: Not reported
Affiliation Address: P.O. BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711,

Affiliation Type Desc: UST Tank Owner
Entity Name: 7-ELEVEN INC.
Entity Title: Not reported
Affiliation Address: P.O. BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75221
Affiliation Phone: (800) 828-0711,

HWTS:
Name: VALERO CORNER STORE 3528
Address: 335 MISSION ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950603732
EPA ID: CAL000383997
Inactive Date: 06/30/2020
Create Date: 03/29/2013
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 19500 BULVERDE ROAD
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN ANTIONO, TX 782590000
Owner Name: CST BRANDS, INC.
Owner Address: 19500 BULVERDE ROAD
Owner Address 2: Not reported
Owner City,State,Zip: SAN ANTIONO, TX 792590000
Contact Name: SANDY HUFF
Contact Address: 19500 BULVERDE ROAD
Contact Address 2: Not reported
City,State,Zip: SAN ANTONIO, TX 782590000

NAICS:
EPA ID: CAL000383997
Create Date: 2013-03-29 14:35:45.090
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2013-03-29 14:35:45.09000
Inactive Date: 2020-06-30 00:00:00
Facility Name: VALERO CORNER STORE 3528
Facility Address: 335 MISSION ST
Facility Address 2: Not reported
Facility City: SANTA CRUZ
Facility County: Not reported

**7-ELEVEN INC. STORE# 38004 (Continued)** **S101625291**

Facility State: CA
Facility Zip: 950603732

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**X105 NW 1/4-1/2 0.387 mi. 2046 ft.** **Site 2 of 3 in cluster X**

**Relative: Higher**

**Actual: 84 ft.**

**ULTRAMAR BEACON #528** **LUST** **S101304422**
**335 MISSION ST** **CHMIRS** **N/A**
**SANTA CRUZ, CA 95060** **Cortese**
**HAZNET**
**HIST CORTESE**
**CERS**
**HWTS**

LUST:
Name: ULTRAMAR BEACON #528
Address: 335 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700260
Global Id: T0608700260
Latitude: 36.9760275061244
Longitude: -122.032286524773
Status: Completed - Case Closed
Status Date: 03/19/2013
Case Worker: TAS
RB Case Number: 630
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000077
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: Residual soil and groundwater contamination may still exist on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or de-watering. The Central Coast Water Board, Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. The levels of residual contamination and any associated risks are expected to reduce with time.

LUST:
Global Id: T0608700260
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0608700260
Contact Type: Local Agency Caseworker
Contact Name: JOHN B. GERBRANDT
Organization Name: SANTA CRUZ COUNTY
Address: 701 Ocean Street, Room 312





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

City: SANTA CRUZ
Email: john.gerbrandt@santacruzcounty.us
Phone Number: Not reported

LUST:
Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 05/29/2009
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 06/29/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700260
Action Type: RESPONSE
Date: 08/20/2009
Action: Soil and Water Investigation Workplan

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 12/18/2012
Action: Request for Closure

Global Id: T0608700260
Action Type: RESPONSE
Date: 03/18/2013
Action: Well Destruction Report

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 02/16/2004
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 04/01/2009
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 07/13/2011
Action: Staff Letter

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 08/10/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 08/31/2010
Action: Conceptual Site Model





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 02/24/2005
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 07/09/2008
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 06/30/2008
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 07/30/2008
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 07/09/2008
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 12/20/2012
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 10/18/2012
Action: Notification - Fee Title Owners Notice

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/15/2010
Action: Site Assessment Report

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700260
Action Type: RESPONSE

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Date: 03/05/2009
Action: Soil and Water Investigation Report

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2005
Action: Unknown

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 11/15/2011
Action: Site Assessment Report

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 04/07/2010
Action: 13267 Requirement





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 04/30/2010
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 05/20/2011
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 03/19/2013
Action: Closure/No Further Action Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 01/29/2013
Action: Letter - Notice

Global Id: T0608700260
Action Type: Other
Date: 02/12/1987
Action: Leak Discovery

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 05/26/1999
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Date: 09/16/2009
Action: 13267 Requirement

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 10/12/2009
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 03/21/2012
Action: Staff Letter

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 01/22/2013
Action: Deed Restriction / Land Use Restriction / Covenant

Global Id: T0608700260
Action Type: ENFORCEMENT
Date: 12/11/2012
Action: Staff Letter

Global Id: T0608700260
Action Type: Other
Date: 02/16/1987
Action: Leak Reported

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700260
Action Type: RESPONSE
Date: 04/20/2011
Action: Soil and Water Investigation Workplan - Regulator Responded





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

Global Id: T0608700260
Action Type: REMEDIATION
Date: 10/16/2009
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608700260
Action Type: REMEDIATION
Date: 10/21/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0608700260
Action Type: REMEDIATION
Date: 10/20/2002
Action: Monitored Natural Attenuation

LUST:
Global Id: T0608700260
Status: Open - Case Begin Date
Status Date: 02/12/1987

Global Id: T0608700260
Status: Open - Site Assessment
Status Date: 08/12/1987

Global Id: T0608700260
Status: Open - Remediation
Status Date: 01/12/1988

Global Id: T0608700260
Status: Open - Remediation
Status Date: 04/08/1999

Global Id: T0608700260
Status: Open - Verification Monitoring
Status Date: 02/24/2005

Global Id: T0608700260
Status: Open - Remediation
Status Date: 10/21/2009

Global Id: T0608700260
Status: Open - Verification Monitoring
Status Date: 07/20/2010

Global Id: T0608700260
Status: Open - Verification Monitoring
Status Date: 10/18/2012

Global Id: T0608700260
Status: Open - Eligible for Closure
Status Date: 12/20/2012

Global Id: T0608700260
Status: Completed - Case Closed
Status Date: 03/19/2013

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |
| Facility County: | Santa Cruz |
| Global ID: | T0608700260 |
| Status: | Remedial action (cleanup) Underway |
| Case Number: | 630 |
| Local Case Num: | Not reported |
| Case Type: | O |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | Pump and Treat Ground Water - generally employed to remove dissolved contaminants |
| Leak Source: | UNK |
| Leak Cause: | UNK |
| How Stopped: | Not reported |
| How Discovered: | Tank Closure |
| Release Date: | 02/16/1987 |
| Discovered Date: | 2/12/87 |
| Enter Date: | 02/27/1987 |
| Stop Date: | Not reported |
| Review Date: | 10/21/2002 |
| Enforce Date: | Not reported |
| Close Date: | Not reported |
| Enforcement Type: | LET |
| Responsible Party: | ROB FISHBURN |
| RP Address: | 685 THIRD ST W |
| Contact: | Not reported |
| Cross Street: | HIGHWAY 1 |
| Local Agency: | 44000 |
| Lead Agency: | Regional Board |
| Staff Initials: | TAS |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | 08/12/1987 |
| Remedial Plan: | 1/12/88 |
| Remedial Action: | 4/8/99 |
| Monitoring: | / / |
| Pilot Program: | UST |
| Interim Action: | Not reported |
| Funding: | R |
| MTBE Class: | B |
| Max MTBE Grnd Wtr: | 2100 |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | 05/08/2002 |
| MTBE Tested: | YES |
| Lat/Long: | 36.9765913 / -122.0319931 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | = |
| Mtbe Concentratn: | 15 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | 4.11 |
| Beneficial: | Not reported |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | POGONIP POLO CLUB - DEAC |
| Well Name: | LPA REPORTED PRIMARY SOURCE |
| Distance From Well: | 0 |
| Assigned Name: | 4400809-001GEN |
| Summary: | CONTINUE GROUNDWATER MONITORING. ROUTINE PUMPOUTS OF SUMP. MW-4, 5, 6, 8, 9, 10, 11 NON-DETECT FOR ALL CONSTITUENTS. |

CHMIRS:

| | |
|---|---|
| Name: | Not reported |
| Address: | 335 MISSION STREET |
| City,State,Zip: | SANTA CRUZ, CA |
| OES Incident Number: | 18-1993 |
| OES notification: | 03/27/2018 |
| OES Date: | Not reported |
| OES Time: | Not reported |
| **Date Completed:** | **Not reported** |
| Property Use: | Not reported |
| Agency Id Number: | Not reported |
| Agency Incident Number: | Not reported |
| Time Notified: | Not reported |
| Time Completed: | Not reported |
| Surrounding Area: | Not reported |
| Estimated Temperature: | Not reported |
| Property Management: | Not reported |
| More Than Two Substances Involved?: | Not reported |
| Resp Agncy Personel # Of Decontaminated: | Not reported |
| Responding Agency Personel # Of Injuries: | Not reported |
| Responding Agency Personel # Of Fatalities: | Not reported |
| Others Number Of Decontaminated: | Not reported |
| Others Number Of Injuries: | Not reported |
| Others Number Of Fatalities: | Not reported |
| Vehicle Make/year: | Not reported |
| Vehicle License Number: | Not reported |
| Vehicle State: | Not reported |
| Vehicle Id Number: | Not reported |
| CA DOT PUC/ICC Number: | Not reported |
| Company Name: | Not reported |
| Reporting Officer Name/ID: | Not reported |
| Report Date: | Not reported |
| Facility Telephone: | Not reported |
| Waterway Involved: | Yes |
| Waterway: | San Lorenzo River |
| Spill Site: | Road |
| Cleanup By: | Reporting Party |
| Containment: | Not reported |
| What Happened: | Not reported |
| Type: | Not reported |
| Measure: | Not reported |
| Other: | Not reported |
| Type: | OTHER |
| Measure: | Gal(s) |
| Other: | Potable water |
| Date/Time: | 1630 |
| Year: | 2018 |
| Agency: | City of Santa Cruz Water Department |

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Incident Date: | 03/26/2018 |
| Admin Agency: | Santa Cruz County Environmental Health |
| Amount: | Not reported |
| Contained: | No |
| Site Type: | San Lorenzo River |
| E Date: | Not reported |
| Substance: | Water, drinking |
| Quantity Released: | 25,000 |
| Unknown: | Not reported |
| Substance #2: | Not reported |
| Substance #3: | Not reported |
| Evacuations: | Not reported |
| Number of Injuries: | Not reported |
| Number of Fatalities: | Not reported |
| #1 Pipeline: | No |
| #2 Pipeline: | No |
| #3 Pipeline: | No |
| #1 Vessel >= 300 Tons: | No |
| #2 Vessel >= 300 Tons: | No |
| #3 Vessel >= 300 Tons: | No |
| Evacs: | No |
| Injuries: | No |
| Fatals: | No |
| Comments: | Not reported |
| Description: | On 03/26/2018 at approximately 1630 hours PDT, a 14 inch water main was struck and damaged during a third party excavation. The incident occurred during an underground fiber optic installation. The City of Santa Cruz Water Department responded to the scene. On arrival, best management practices (BMP) were implemented. The water main was shut off and repairs have since been completed. The water release entered a storm drain which leads to the San Lorenzo River. No property damage was reported and no first responders were on-scene. Traffic control was carried out by city personnel. The release to the river was unrecoverable. No further action is expected. |

CORTESE:

| | |
|---|---|
| Name: | ULTRAMAR BEACON #528 |
| Address: | 335 MISSION ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700260 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

HAZNET:

| | |
|---|---|
| Name: | 7 ELEVEN 38004 |
| Address: | 335 MISSION ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 75221 |
| Contact: | JOSE RIOS |
| Telephone: | 9728286592 |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 711 |
| | |
| Year: | 2019 |
| Gepaid: | CAL000418997 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.46200 |
| | |
| Year: | 2018 |
| Gepaid: | CAL000418997 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.58800 |
| | |
| Year: | 2017 |
| Gepaid: | CAL000418997 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Tons: | 0.0375 |
| | |
| Year: | 2017 |
| Gepaid: | CAL000418997 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.189 |

Additional Info:

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Year: | 2017 |
| Gen EPA ID: | CAL000418997 |
| Shipment Date: | 20170823 |
| Creation Date: | 8/2/2018 18:30:29 |
| Receipt Date: | 20170830 |
| Manifest ID: | 010627940FLE |
| Trans EPA ID: | CAR000183913 |
| Trans Name: | BELSHIRE |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY NEVADA OPERATIONS |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.0375 |
| Waste Quantity: | 75 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20170823 |
| Creation Date: | 7/12/2018 18:30:34 |
| Receipt Date: | 20170831 |
| Manifest ID: | 010627941FLE |
| Trans EPA ID: | CAR000183913 |
| Trans Name: | BELSHIRE |
| Trans 2 EPA ID: | CAT080016116 |
| Trans 2 Name: | NIETO AND SONS TRUCKING INC |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO KERDOON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.021 |
| Waste Quantity: | 5 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20170310 |
| Creation Date: | 5/24/2017 18:30:56 |
| Receipt Date: | 20170316 |
| Manifest ID: | 009683903FLE |





**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Trans EPA ID: | CAR000183913 |
| Trans Name: | BELSHIRE |
| Trans 2 EPA ID: | CAT080016116 |
| Trans 2 Name: | NIETO AND SONS TRUCKING INC |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO KERDOON |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.168 |
| Waste Quantity: | 40 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | ULTRAMAR BEACON #528 |
| edr_fadd1: | 335 MISSION |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 630 |

CERS:

| | |
|---|---|
| Name: | VALERO MARKETING AND SUPPLY CO. |
| Address: | 335 MISSION STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060-3732 |
| Site ID: | 502071 |
| CERS ID: | 110021343991 |
| CERS Description: | US EPA Air Emission Inventory System (EIS) |
| Name: | ULTRAMAR BEACON #528 |
| Address: | 335 MISSION ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 227193 |
| CERS ID: | T0608700260 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | JOHN B. GERBRANDT - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Regional Board Caseworker |

**ULTRAMAR BEACON #528 (Continued)** **S101304422**

| | |
|---|---|
| Entity Name: | TOM SAYLES - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PL, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

HWTS:

| | |
|---|---|
| Name: | 7 ELEVEN 38004 |
| Address: | 335 MISSION ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAL000418997 |
| Inactive Date: | Not reported |
| Create Date: | 07/19/2016 |
| Last Act Date: | 07/22/2020 |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 711 |
| Mailing Address 2: | Not reported |
| Mailing City,State,Zip: | DALLAS, TX 75221 |
| Owner Name: | 7-ELEVEN INC. |
| Owner Address: | PO BOX 711 |
| Owner Address 2: | Not reported |
| Owner City,State,Zip: | DALLAS, TX 75221 |
| Contact Name: | JOSE RIOS |
| Contact Address: | 1722 ROUTH STREET |
| Contact Address 2: | SUITE 1000 |
| City,State,Zip: | DALLAS, TX 75201 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000418997 |
| Create Date: | 2016-07-19 11:47:15.073 |
| NAICS Code: | 44719 |
| NAICS Description: | Other Gasoline Stations |
| Issued EPA ID Date: | 2016-07-19 11:47:15.05000 |
| Inactive Date: | Not reported |
| Facility Name: | 7 ELEVEN 38004 |
| Facility Address: | 335 MISSION ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 95060 |





**Y106** **TOSCO - FACILITY #0292** **LUST** **S105224834**
**ENE** **433 OCEAN ST** **Cortese** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060**
**0.394 mi.**
**2082 ft.** **Site 1 of 4 in cluster Y**

**Relative:**
**Higher**

**Actual:**
**28 ft.**

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |
| Facility County: | Santa Cruz |
| Global ID: | T0608700272 |
| Status: | Post remedial action monitoring |
| Case Number: | 682 |
| Local Case Num: | Not reported |
| Case Type: | O |
| Substance: | Diesel |
| Quantity: | Not reported |
| Abatement Method: | Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming) |
| Leak Source: | Tank |
| Leak Cause: | UNK |
| How Stopped: | Not reported |
| How Discovered: | Tank Closure |
| Release Date: | 08/10/1989 |
| Discovered Date: | 7/24/88 |
| Enter Date: | 09/15/1989 |
| Stop Date: | Not reported |
| Review Date: | 10/16/2002 |
| Enforce Date: | Not reported |
| Close Date: | Not reported |
| Enforcement Type: | LET |
| Responsible Party: | ED RALSTON |
| RP Address: | 76 BROADWAY |
| Contact: | Not reported |
| Cross Street: | Not reported |
| Local Agency: | 44000 |
| Lead Agency: | Regional Board |
| Staff Initials: | TAS |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | / / |
| Remedial Plan: | Not reported |
| Remedial Action: | Not reported |
| Monitoring: | 09/27/2001 |
| Pilot Program: | UST |
| Interim Action: | Not reported |
| Funding: | R |
| MTBE Class: | C |
| Max MTBE Grnd Wtr: | 210 |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | 01/09/2002 |
| MTBE Tested: | YES |
| Lat/Long: | 36.97447406 / -122.0188045 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | = |
| Mtbe Concentratn: | 8 |
| Mtbe Fuel: | 0 |
| Org Name: | Not reported |

**TOSCO - FACILITY #0292 (Continued)** **S105224834**

Basin Plan: 4.11
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Distance From Well: 0
Assigned Name: Not reported
Summary: CONTINUE QMR, REDUCED SAMPLING MAY BE WARRANTED? MAY WANT JOINT MONITORING WITH 404 SOQUEL.

CORTESE:
Name: TOSCO - FACILITY #0292
Address: 433 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700272
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

---

**Y107** **DAVENPORTS UNION 76** **RCRA-SQG** **1000167066**
**ENE** **433 OCEAN ST** **WMUDS/SWAT** **CAD982041790**
**1/4-1/2** **SANTA CRUZ, CA 95060** **HIST UST**
**0.394 mi.**
**2082 ft.** **Site 2 of 4 in cluster Y**

**Relative:**
**Higher**
**Actual:**
**28 ft.**

RCRA-SQG:
Date Form Received by Agency: 19910823
Handler Name: DAVENPORTS UNION 76
Handler Address: 433 OCEAN ST
Handler City,State,Zip: SANTA CRUZ, CA 95060
EPA ID: CAD982041790
Contact Name: DAVENPORT RICH
Contact Address: 433 OCEAN ST
Contact City,State,Zip: SANTA CRUZ, CA 95060
Contact Telephone: 408-423-1789
Contact Fax: Not reported
Contact Email: Not reported





**DAVENPORTS UNION 76 (Continued)** **1000167066**

Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 2
Mailing Address: 433 OCEAN ST
Mailing City,State,Zip: SANTA CRUZ, CA 95060
Owner Name: UNION OIL CO OF CALIF
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported

**DAVENPORTS UNION 76 (Continued)** **1000167066**

| | |
|---|---|
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020627 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | UNION OIL CO OF CALIF |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19910823 |
| Handler Name: DAVENPORTS UNION 76 | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |





**DAVENPORTS UNION 76 (Continued)** **1000167066**

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 4471 |
| NAICS Description: | GASOLINE STATIONS |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

WMUDS/SWAT:

| | |
|---|---|
| Edit Date: | Not reported |
| Complexity: | Not reported |
| Primary Waste: | Not reported |
| Primary Waste Type: | Not reported |
| Secondary Waste: | Not reported |
| Secondary Waste Type: | Not reported |
| Base Meridian: | Not reported |
| NPID: | Not reported |
| Tonnage: | 0 |
| Regional Board ID: | Not reported |
| Municipal Solid Waste: | False |
| Superorder: | False |
| Open To Public: | False |
| Waste List: | False |
| Agency Type: | Not reported |
| Agency Name: | Not reported |
| Agency Department: | Not reported |
| Agency Address: | Not reported |
| Agency City,St,Zip: | Not reported |
| Agency Contact: | Not reported |
| Agency Telephone: | Not reported |
| Land Owner Name: | Not reported |
| Land Owner Address: | Not reported |
| Land Owner City,St,Zip: | CA |
| Land Owner Contact: | Not reported |
| Land Owner Phone: | Not reported |
| Region: | 3 |
| Facility Type: | Not reported |
| Facility Description: | Not reported |
| Facility Telephone: | Not reported |
| SWAT Facility Name: | Not reported |
| Primary SIC: | Not reported |
| Secondary SIC: | Not reported |
| Comments: | Not reported |
| Last Facility Editors: | Not reported |
| Waste Discharge System: | False |
| Solid Waste Assessment Test Program: | True |
| Toxic Pits Cleanup Act Program: | False |
| Resource Conservation Recovery Act: | False |
| Department of Defence: | False |
| Solid Waste Assessment Test Program: | Not reported |
| Threat to Water Quality: | Not reported |
| Sub Chapter 15: | False |

**DAVENPORTS UNION 76 (Continued)** **1000167066**

Regional Board Project Officer: BH
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 3 440005NUR
Solid Waste Information ID: Not reported

HIST UST:
Name: UNION OIL SS 0292
Address: 433 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020D02
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020D02.pdf
Region: STATE
Facility ID: 00000031757
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RICHARD DAVENPORT
Telephone: 4084231789
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111
Total Tanks: 0003

Tank Num: 001
Container Num: 0292-1-1
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0292-2-1
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0292
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:





**Y108** **UNOCAL SERVICE STATION #0292** **LUST** **S101309573**
**ENE** **433 OCEAN ST** **AST** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **SWEEPS UST**
**0.394 mi.** **CUPA Listings**
**2082 ft.** **Site 3 of 4 in cluster Y** **HIST CORTESE**
**CERS**

**Relative:**
**Higher**

**Actual:**
**28 ft.**

LUST:
Name: TOSCO - FACILITY #0292
Address: 433 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700272
Global Id: T0608700272
Latitude: 36.974514788
Longitude: -122.018889366
Status: Completed - Case Closed
Status Date: 01/31/2008
Case Worker: TAS
RB Case Number: 682
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: RO0000138
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Case Closure- No Further Action Letter granted 1/31/08, Residual soil and groundwater contamination may still exist on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or de-watering. The Central Coast Water Board, Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. The levels of residual contamination and any associated risks are expected to reduce with time.

LUST:
Global Id: T0608700272
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 04/20/2006
Action: Soil and Water Investigation Workplan

Global Id: T0608700272
Action Type: RESPONSE
Date: 09/21/2006
Action: Other Report / Document

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 07/01/2005
Action: * No Action

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 07/25/2005
Action: Staff Letter

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 05/12/2006
Action: 13267 Requirement

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/21/2005
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608700272
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 04/09/2008
Action: Closure/No Further Action Letter

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/01/2005
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608700272
Action Type: RESPONSE





**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 12/30/2007
Action: Well Destruction Report

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 04/04/2007
Action: 13267 Requirement

Global Id: T0608700272
Action Type: Other
Date: 07/24/1988
Action: Leak Discovery

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 07/30/2002
Action: Staff Letter

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 01/31/2008
Action: 13267 Requirement

Global Id: T0608700272
Action Type: ENFORCEMENT
Date: 11/09/2007
Action: 13267 Requirement

Global Id: T0608700272
Action Type: Other
Date: 08/10/1989
Action: Leak Reported

Global Id: T0608700272
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE
Date: 01/31/2008
Action: Request for Closure

Global Id: T0608700272
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700272
Action Type: RESPONSE





**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

Date: 07/20/2006
Action: Soil and Water Investigation Workplan

LUST:

Global Id: T0608700272
Status: Open - Case Begin Date
Status Date: 07/24/1988

Global Id: T0608700272
Status: Open - Verification Monitoring
Status Date: 09/27/2001

Global Id: T0608700272
Status: Open - Site Assessment
Status Date: 04/20/2006

Global Id: T0608700272
Status: Open - Site Assessment
Status Date: 07/27/2006

Global Id: T0608700272
Status: Completed - Case Closed
Status Date: 01/31/2008

AST:

Name: THE GREEN STATION
Address: 433 OCEAN ST
City/Zip: SANTA CRUZ,95060
Certified Unified Program Agencies: Not reported
Owner: THE GREEN STATION
Total Gallons: Not reported
CERSID: 10193845
Facility ID: FA0005666
Business Name: THE GREEN STATION
Phone: (831) 425-9100
Fax: Not reported
Mailing Address: 433 OCEAN ST
Mailing Address City: SANTA CRUZ
Mailing Address State: CA
Mailing Address Zip Code: 95060
Operator Name: THE GREEN STATION INC
Operator Phone: (831) 425-9100
Owner Phone: (831) 425-9100
Owner Mail Address: 433 OCEAN ST
Owner State: CA
Owner Zip Code: 95060
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

SWEEPS UST:

| | |
|---|---|
| Name: | UNOCAL SERVICE STATION #0292 |
| Address: | 433 OCEAN ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 31757 |
| Number: | 2 |
| Board Of Equalization: | 44-000051 |
| Referral Date: | 02-14-92 |
| Action Date: | 02-14-92 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 0292-RU |
| SWRCB Tank Id: | 44-000-031757-000001 |
| Tank Status: | A |
| Capacity: | 12000 |
| Active Date: | 02-14-92 |
| Tank Use: | M.V. FUEL |
| STG: | P |
| Content: | REG UNLEADED |
| Number Of Tanks: | 4 |

| | |
|---|---|
| Name: | UNOCAL SERVICE STATION #0292 |
| Address: | 433 OCEAN ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 31757 |
| Number: | 2 |
| Board Of Equalization: | 44-000051 |
| Referral Date: | 02-14-92 |
| Action Date: | 02-14-92 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 0292-SU |
| SWRCB Tank Id: | 44-000-031757-000002 |
| Tank Status: | A |
| Capacity: | 12000 |
| Active Date: | 02-14-92 |
| Tank Use: | M.V. FUEL |
| STG: | P |
| Content: | REG UNLEADED |
| Number Of Tanks: | Not reported |

| | |
|---|---|
| Name: | UNOCAL SERVICE STATION #0292 |
| Address: | 433 OCEAN ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 31757 |
| Number: | 2 |
| Board Of Equalization: | 44-000051 |
| Referral Date: | 02-14-92 |
| Action Date: | 02-14-92 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 0292-DSL |
| SWRCB Tank Id: | 44-000-031757-000003 |
| Tank Status: | A |
| Capacity: | 10000 |
| Active Date: | 02-14-92 |
| Tank Use: | M.V. FUEL |





**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

| | |
|---|---|
| STG: | P |
| Content: | DIESEL |
| Number Of Tanks: | Not reported |

| | |
|---|---|
| Name: | UNOCAL SERVICE STATION #0292 |
| Address: | 433 OCEAN ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 31757 |
| Number: | 2 |
| Board Of Equalization: | 44-000051 |
| Referral Date: | 02-14-92 |
| Action Date: | 02-14-92 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 0292-WO |
| SWRCB Tank Id: | 44-000-031757-000004 |
| Tank Status: | A |
| Capacity: | 520 |
| Active Date: | 02-14-92 |
| Tank Use: | OIL |
| STG: | W |
| Content: | WASTE OIL |
| Number Of Tanks: | Not reported |

CUPA SANTA CRUZ:

| | |
|---|---|
| Name: | THE GREEN STATION |
| Address: | 433 OCEAN ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0005666 |
| Cross Street: | SOQUEL AVENUE |
| Description: | HMMP STANDARD FORM FILING FEE |

| | |
|---|---|
| Name: | THE GREEN STATION |
| Address: | 433 OCEAN ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0005666 |
| Cross Street: | SOQUEL AVENUE |
| Description: | HMMP STANDARD FORM QR 3 |

| | |
|---|---|
| Name: | THE GREEN STATION |
| Address: | 433 OCEAN ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0005666 |
| Cross Street: | SOQUEL AVENUE |
| Description: | ABOVEGROUND PETROLEUM STORAGE-SPCC FACILITY |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | UNOCAL STATION #0292 |
| edr_fadd1: | 433 OCEAN |
| City,State,Zip: | SANTA CRUZ, CA |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 682 |

**UNOCAL SERVICE STATION #0292 (Continued)** **S101309573**

CERS:
Name: TOSCO - FACILITY #0292
Address: 433 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 208271
CERS ID: T0608700272
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

**Z109** **WILSON, GEO INC** **RESPONSE** **S101304431**
**North** **125 RIVER ST** **ENVIROSTOR** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **LUST**
**0.406 mi.** **HIST Cal-Sites**
**2142 ft.** **Site 1 of 6 in cluster Z** **DEED**
**Cortese**
**Relative:** **HIST CORTESE**
**Higher** **CERS**
**Actual:**
**17 ft.**

RESPONSE:
Name: RIVER STREET REDEVELOPMENT SITE
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44990002
Site Type: State Response
Site Type Detail: State Response ERAP
Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jovanne Villamater
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Site Code: 290003
Site Mgmt. Req.: DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, EXT, SCH, RES, DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, NUSE, NSUB, EXT, SCH, RES, DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, SCH, RES
Assembly: 29





**WILSON, GEO INC (Continued)** **S101304431**

Senate: 17
Special Program Status: Designation of Single Agency
Status: Certified / Operation & Maintenance
Status Date: 03/01/2005
Restricted Use: YES
Funding: Responsible Party
Latitude: 36.97868
Longitude: -122.0258
APN: 006-363-02, 006-363-03, 006-363-04, 006-363-06, 006-363-08, 006-363-11, 006-363-12, 006-363-13, 006-363-14
Past Use: MANUFACTURED GAS PLANT, MANUFACTURING - METAL, PAINT/DEPAINT FACILITY, RETAIL - SERVICE STATION, VEHICLE MAINTENANCE
Potential COC : Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes
Confirmed COC: Toluene Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Benzene Lead Xylenes
Potential Description: OTH, SOIL
Alias Name: FORMER GEORGE H. WILSON SITE
Alias Type: Alternate Name
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: RIVER STREET REDEVELOPMENT SITE
Alias Type: Alternate Name
Alias Name: RIVER STREET TRIANGLE
Alias Type: Alternate Name
Alias Name: 006-363-02
Alias Type: APN
Alias Name: 006-363-03
Alias Type: APN
Alias Name: 006-363-04
Alias Type: APN
Alias Name: 006-363-06
Alias Type: APN
Alias Name: 006-363-08
Alias Type: APN
Alias Name: 006-363-11
Alias Type: APN
Alias Name: 006-363-12
Alias Type: APN
Alias Name: 006-363-13
Alias Type: APN
Alias Name: 006-363-14
Alias Type: APN
Alias Name: 110033606907
Alias Type: EPA (FRS #)
Alias Name: 290003
Alias Type: Project Code (Site Code)
Alias Name: 44990002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 02/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

**WILSON, GEO INC (Continued)** **S101304431**

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction precludes use of the approximately 0.95 acre parcel for sensitive uses, prohibits use of groundwater for purposes other than site remediation or construction dewatering and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction for 0.03 acre parcel prohibits use of parcel for sensitive uses, restricts groundwater extraction, requires DTSC approval prior to soil movement at or below 15 feet below grade and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction precludes use of the approximately 0.38 acre parcels for sensitive uses, requires a DTSC-approved Soil Management Plan to disturb soil at or below 15 feet below grade, prohibits use of groundwater for purposes other than site remediation or construction dewatering and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2020
Comments: Due to COVID-19 Pandemic, Annual Cost Estimate transmitted via email on 10/05/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/26/2003





**WILSON, GEO INC (Continued)** **S101304431**

Comments: Approve RAP requiring soil removal.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/1997
Comments: A PEA was submitted for the River Street Redevelopment Site for consideration for the Expedited Remedial Action Program. The PEA concluded that the soil contaminated with polycyclic aromatic hydrocarbons (PAHs) does not pose an interim endangerment, but that a significant response action is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/22/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/19/2006
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/17/2006
Comments: Report approved with minor clarifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/15/2006
Comments: Report approved with modifications. DTSC approved modification to the groundwater monitoring system to require quarterly sampling of four wells, instead of eight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/02/2007
Comments: Report approved with comments. Comments approve revisions to the sampling methodology and analytical methods and require resurveying of a damaged well prior to the next sampling event.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/08/2002
Comments: Draft Fact Sheet for the draft RAP and Negative Declaration. Public comment period to run from 5/8/2002 through 6/7/2002, with a public meeting on 5/22/02 at the County Veterans Building in Santa Cruz.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

**WILSON, GEO INC (Continued)** **S101304431**

Completed Date: 05/08/2002
Comments: Public Notice for the draft Remedial Action Plan and Draft Negative Declaration

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/13/2007
Comments: Report accepted. Consultant will evaluate whether the ORC initially injected in March 2006 is still releasing oxygen in the next quarterly report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2007
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2007
Comments: Report accepted. No significant changes in groundwater quality results from previous sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2008
Comments: Petroleum hydrocarbons as gasoline continues to be detected above site cleanup goals in two onsite monitoring wells. Napthalene levels above site cleanup goals in the monitoring well downgradient of the former fuel station.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/28/2000
Comments: Public Participation Plan approved by Heidi Nelson, DTSC's Public Participation Specialist.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2008
Comments: Report is accepted, but the recommendation to abandon wells is not approved. Need to determine whether any of these wells are necessary for an adjacent site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2008
Comments: Report is acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported





**WILSON, GEO INC (Continued)** **S101304431**

Completed Document Type: Technical Workplan
Completed Date: 08/29/2001
Comments: Workplan verbally approved for implementation. Workplan incorporates changes previously discussed and agreed upon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/05/1996
Comments: Report submitted to the Water Board regarding the status of groundwater remediation work (groundwater pump and treat system to address TPH).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/31/1990
Comments: Report submitted to the Water Board describing the status and schedule for groundwater remediation work at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/1989
Comments: Documents removal of two underground storage tanks on June 20, 1989 and subsequent soil sampling conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted. Groundwater monitoring continues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted. Groundwater monitoring continues. Gasoline and diesel-range petroleum hydrocarbons continue to be detected above site cleanup goals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted by DTSC. Regional Water Quality Control Board approved semiannual groundwater monitoring in July 2009. Next sampling event will occur in September 2009 and the quarterly monitoring report is due by October 20, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2010
Comments: 2009 Second Quarter Groundwater monitoring report for post-remediation verification monitoring as required in the Monitoring and Reporting Program. No changes from the previous

**WILSON, GEO INC (Continued)** **S101304431**

quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2010
Comments: 2009 Third Quarter Groundwater monitoring report for post-remediation verification monitoring as required in the Monitoring and Reporting Program. No changes from the previous quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 04/05/2013
Comments: Five-Year Review Workplan approved. DTSC provided clarifications in the approval letter. Five-Year Review Report is due April 16, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/18/2014
Comments: The Central Coast Regional Water Quality Control Board proposed closure of the underground storage tank case at this site, based on the SWRCB Low Threat Underground Storage Tank Case Closure Policy, which would eliminate groundwater monitoring at the site. DTSC concurs with this determination, and thusly would not require future groundwater monitoring. Possibility of elimination of Operation and Maintenance Agreement, if appropriate. Land Use Covenant still in place at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2014
Comments: The report presents the results of the semi-annual groundwater monitoring events performed in October 2011 and March 2012. The groundwater monitoring results were consistent with historical results. The report included an evaluation using the criteria outlined the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy. The report concluded that the criteria were met and recommended that a case closure summary package be submitted to the Regional Water Quality Control Board (RWQCB) with Department of Toxic Substances Control (DTSC) approval. RWQCB had approved a discontinuation in groundwater monitoring and DTSC noted in its approval letter that it will approve elimination of the requirement for groundwater monitoring upon approval of the Remedial Action Five-Year Review, if deemed appropriate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported





**WILSON, GEO INC (Continued)** **S101304431**

Completed Document Type: Well Decommissioning Report
Completed Date: 05/27/2015
Comments: Previous groundwater monitoring at the site involved the sampling of 8 on-site monitoring wells. Six groundwater monitoring wells were decommissioned, either grouted in place or completely removed with the borehole grouted in place. The Monitoring Well Destruction Report documents the decommissioning of the six monitoring wells. The ownership of two groundwater monitoring wells (MW-1R and MW 4R) was transferred to Pacific Gas and Electric, who will incorporate the wells into their monitoring program at the nearby Santa Cruz Manufactured Gas Plant Site. Groundwater monitoring at the River Street Development site was discontinued, with concurrence from DTSC and the California Regional Water Quality Control Board, Central Coast Region.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/25/2016
Comments: Annual inspection completed; no disturbance to cap observed. Site remains multi-unit residential development with subterranean parking. All areas of the Site remain in compliance with the Land Use Covenant. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Inspection Report approved with the 2018 and 2019 Inspection Reports. Cap in good condition, no disturbance to cap observed. Land use in accordance with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Inspection Report approved with the 2017 and 2018 Inspection Reports. Cap in good condition, no disturbance to cap observed. Land use in accordance with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 02/25/1998
Comments: A Site Conference was held pursuant to H&SC section 25398.2 at 1080 Emeline in Santa Cruz with members of affected agencies, identified potentially responsible persons, and other interested persons.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation

**WILSON, GEO INC (Continued)** **S101304431**

Completed Date: 12/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/03/2006
Comments: February 28, 2005 Operation and Maintenance Agreement, Docket No. HSA-A 04/05-130 signed with Wilson Entities, Ltd. is terminated since Santa Cruz River Street LLC entered into an Enforceable Agreement with DTSC on Feburary 16, 2006 that reflects Santa Cruz River Street LLC's assumption of responsibility for implementing operation and maintenance activities at this Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 02/16/2006
Comments: O&M Agreement reflects Santa Cruz River Street LLC's assumption of responsibility for implementing Operation and Maintenance activities at the River Street Site. Previous O&M Agreement with Wilson Entities, Ltd. will be terminated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/26/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/05/2001
Comments: Amended Agreement to add Andrew and Cynthia Lenz and Pacific Gas & Electric Company

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: ERAP Enforceable Agreements
Completed Date: 12/21/1998
Comments: DTSC entered into an Expedited Remedial Action Enforceable Agreement with Wilson Entities, Ltd. The Lenz family did not sign the agreement. Not reported

Completed Area Name: PROJECT WIDE





**WILSON, GEO INC (Continued)** **S101304431**

Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/04/2006
Comments: Annual inspection consists of photographs taken by the consultant with verification by staff from the County Environmental Health Department.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: DTSC oversight cost estimate for fiscal year 2017/2018 (July 1, 2017 - June 30, 2018)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2018
Comments: DTSC annual oversight cost estimate for fiscal year 2018/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: DTSC letter with oversight cost estimate for fiscal year 2016/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2012
Comments: Letter with DTSC oversight cost estimate for fiscal year 2012/2013 sent 10/31/2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2013
Comments: Not reported

**WILSON, GEO INC (Continued)** **S101304431**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/12/2016
Comments: Land Use Covenant Inspection Report: Site remains a multi-use development (subterranean garage; first floor commercial; multi-level residential units above first floor.) Cap in good condition; no changes to site or site use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2009
Comments: DTSC provided notification of its change in project managers and provided an estimate of its oversight costs for fiscal year 2009/2010. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/19/2010
Comments: The annual cost estimation letter was sent out on October 19, 2010 with a cost estimate of $7,924 for oversight cost of a 5-year review and operation and maintenance activities.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: RIVER STREET REDEVELOPMENT SITE
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44990002
Status: Certified / Operation & Maintenance
Status Date: 03/01/2005
Site Code: 290003
Site Type: State Response
Site Type Detailed: State Response ERAP
Acres: 1.4
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY
Lead Agency: SMBRP
Program Manager: Jovanne Villamater
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Assembly: 29





**WILSON, GEO INC (Continued)** **S101304431**

Senate: 17
Special Program: Designation of Single Agency
Restricted Use: YES
Site Mgmt Req: DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, EXT, SCH, RES, DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, NUSE, NSUB, EXT, SCH, RES, DAY, ELD, HOS, LUC, MON, GW, NOWN, NDAM, SCH, RES
Funding: Responsible Party
Latitude: 36.97868
Longitude: -122.0258
APN: 006-363-02, 006-363-03, 006-363-04, 006-363-06, 006-363-08, 006-363-11, 006-363-12, 006-363-13, 006-363-14
Past Use: MANUFACTURED GAS PLANT, MANUFACTURING - METAL, PAINT/DEPAINT FACILITY, RETAIL - SERVICE STATION, VEHICLE MAINTENANCE
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes
Confirmed COC: Toluene Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Benzene Lead Xylenes
Potential Description: OTH, SOIL
Alias Name: FORMER GEORGE H. WILSON SITE
Alias Type: Alternate Name
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: RIVER STREET REDEVELOPMENT SITE
Alias Type: Alternate Name
Alias Name: RIVER STREET TRIANGLE
Alias Type: Alternate Name
Alias Name: 006-363-02
Alias Type: APN
Alias Name: 006-363-03
Alias Type: APN
Alias Name: 006-363-04
Alias Type: APN
Alias Name: 006-363-06
Alias Type: APN
Alias Name: 006-363-08
Alias Type: APN
Alias Name: 006-363-11
Alias Type: APN
Alias Name: 006-363-12
Alias Type: APN
Alias Name: 006-363-13
Alias Type: APN
Alias Name: 006-363-14
Alias Type: APN
Alias Name: 110033606907
Alias Type: EPA (FRS #)
Alias Name: 290003
Alias Type: Project Code (Site Code)
Alias Name: 44990002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 02/28/2005
Comments: Not reported

**WILSON, GEO INC (Continued)** **S101304431**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction precludes use of the approximately 0.95 acre parcel for sensitive uses, prohibits use of groundwater for purposes other than site remediation or construction dewatering and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction for 0.03 acre parcel prohibits use of parcel for sensitive uses, restricts groundwater extraction, requires DTSC approval prior to soil movement at or below 15 feet below grade and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/28/2005
Comments: Environmental Restriction precludes use of the approximately 0.38 acre parcels for sensitive uses, requires a DTSC-approved Soil Management Plan to disturb soil at or below 15 feet below grade, prohibits use of groundwater for purposes other than site remediation or construction dewatering and requires non-interference with the groundwater monitoring system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2020
Comments: Due to COVID-19 Pandemic, Annual Cost Estimate transmitted via email on 10/05/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan





**WILSON, GEO INC (Continued)** **S101304431**

Completed Date: 06/26/2003
Comments: Approve RAP requiring soil removal.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/1997
Comments: A PEA was submitted for the River Street Redevelopment Site for consideration for the Expedited Remedial Action Program. The PEA concluded that the soil contaminated with polycyclic aromatic hydrocarbons (PAHs) does not pose an interim endangerment, but that a significant response action is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/22/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/19/2006
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/17/2006
Comments: Report approved with minor clarifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/15/2006
Comments: Report approved with modifications. DTSC approved modification to the groundwater monitoring system to require quarterly sampling of four wells, instead of eight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/02/2007
Comments: Report approved with comments. Comments approve revisions to the sampling methodology and analytical methods and require resurveying of a damaged well prior to the next sampling event.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/08/2002
Comments: Draft Fact Sheet for the draft RAP and Negative Declaration. Public comment period to run from 5/8/2002 through 6/7/2002, with a public meeting on 5/22/02 at the County Veterans Building in Santa Cruz.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**WILSON, GEO INC (Continued)** **S101304431**

Completed Document Type: Public Notice
Completed Date: 05/08/2002
Comments: Public Notice for the draft Remedial Action Plan and Draft Negative Declaration

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/13/2007
Comments: Report accepted. Consultant will evaluate whether the ORC initially injected in March 2006 is still releasing oxygen in the next quarterly report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2007
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2007
Comments: Report accepted. No significant changes in groundwater quality results from previous sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2008
Comments: Petroleum hydrocarbons as gasoline continues to be detected above site cleanup goals in two onsite monitoring wells. Napthalene levels above site cleanup goals in the monitoring well downgradient of the former fuel station.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/28/2000
Comments: Public Participation Plan approved by Heidi Nelson, DTSC's Public Participation Specialist.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2008
Comments: Report is accepted, but the recommendation to abandon wells is not approved. Need to determine whether any of these wells are necessary for an adjacent site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2008
Comments: Report is acceptable.

Completed Area Name: PROJECT WIDE





**WILSON, GEO INC (Continued)** **S101304431**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2001
Comments: Workplan verbally approved for implementation. Workplan incorporates changes previously discussed and agreed upon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/05/1996
Comments: Report submitted to the Water Board regarding the status of groundwater remediation work (groundwater pump and treat system to address TPH).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/31/1990
Comments: Report submitted to the Water Board describing the status and schedule for groundwater remediation work at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/1989
Comments: Documents removal of two underground storage tanks on June 20, 1989 and subsequent soil sampling conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted. Groundwater monitoring continues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted. Groundwater monitoring continues. Gasoline and diesel-range petroleum hydrocarbons continue to be detected above site cleanup goals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2009
Comments: Report accepted by DTSC. Regional Water Quality Control Board approved semiannual groundwater monitoring in July 2009. Next sampling event will occur in September 2009 and the quarterly monitoring report is due by October 20, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2010
Comments: 2009 Second Quarter Groundwater monitoring report for post-remediation verification monitoring as required in the

**WILSON, GEO INC (Continued)** **S101304431**

Monitoring and Reporting Program. No changes from the previous quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2010
Comments: 2009 Third Quarter Groundwater monitoring report for post-remediation verification monitoring as required in the Monitoring and Reporting Program. No changes from the previous quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 04/05/2013
Comments: Five-Year Review Workplan approved. DTSC provided clarifications in the approval letter. Five-Year Review Report is due April 16, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/18/2014
Comments: The Central Coast Regional Water Quality Control Board proposed closure of the underground storage tank case at this site, based on the SWRCB Low Threat Underground Storage Tank Case Closure Policy, which would eliminate groundwater monitoring at the site. DTSC concurs with this determination, and thusly would not require future groundwater monitoring. Possibility of elimination of Operation and Maintenance Agreement, if appropriate. Land Use Covenant still in place at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2014
Comments: The report presents the results of the semi-annual groundwater monitoring events performed in October 2011 and March 2012. The groundwater monitoring results were consistent with historical results. The report included an evaluation using the criteria outlined the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy. The report concluded that the criteria were met and recommended that a case closure summary package be submitted to the Regional Water Quality Control Board (RWQCB) with Department of Toxic Substances Control (DTSC) approval. RWQCB had approved a discontinuation in groundwater monitoring and DTSC noted in its approval letter that it will approve elimination of the requirement for groundwater monitoring upon approval of the Remedial Action Five-Year Review, if deemed appropriate.

Completed Area Name: PROJECT WIDE





**WILSON, GEO INC (Continued)** **S101304431**

Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 05/27/2015
Comments: Previous groundwater monitoring at the site involved the sampling of 8 on-site monitoring wells. Six groundwater monitoring wells were decommissioned, either grouted in place or completely removed with the borehole grouted in place. The Monitoring Well Destruction Report documents the decommissioning of the six monitoring wells. The ownership of two groundwater monitoring wells (MW-1R and MW 4R) was transferred to Pacific Gas and Electric, who will incorporate the wells into their monitoring program at the nearby Santa Cruz Manufactured Gas Plant Site. Groundwater monitoring at the River Street Development site was discontinued, with concurrence from DTSC and the California Regional Water Quality Control Board, Central Coast Region.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/25/2016
Comments: Annual inspection completed; no disturbance to cap observed. Site remains multi-unit residential development with subterranean parking. All areas of the Site remain in compliance with the Land Use Covenant. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Inspection Report approved with the 2018 and 2019 Inspection Reports. Cap in good condition, no disturbance to cap observed. Land use in accordance with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/14/2020
Comments: Inspection Report approved with the 2017 and 2018 Inspection Reports. Cap in good condition, no disturbance to cap observed. Land use in accordance with Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 02/25/1998
Comments: A Site Conference was held pursuant to H&SC section 25398.2 at 1080 Emeline in Santa Cruz with members of affected agencies, identified potentially responsible persons, and other interested persons.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**WILSON, GEO INC (Continued)** **S101304431**

Completed Document Type: AB 2061 - Designation
Completed Date: 12/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/03/2006
Comments: February 28, 2005 Operation and Maintenance Agreement, Docket No. HSA-A 04/05-130 signed with Wilson Entities, Ltd. is terminated since Santa Cruz River Street LLC entered into an Enforceable Agreement with DTSC on Feburary 16, 2006 that reflects Santa Cruz River Street LLC's assumption of responsibility for implementing operation and maintenance activities at this Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 02/16/2006
Comments: O&M Agreement reflects Santa Cruz River Street LLC's assumption of responsibility for implementing Operation and Maintenance activities at the River Street Site. Previous O&M Agreement with Wilson Entities, Ltd. will be terminated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/26/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/05/2001
Comments: Amended Agreement to add Andrew and Cynthia Lenz and Pacific Gas & Electric Company

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: ERAP Enforceable Agreements
Completed Date: 12/21/1998
Comments: DTSC entered into an Expedited Remedial Action Enforceable Agreement with Wilson Entities, Ltd. The Lenz family did not sign the agreement. Not reported





**WILSON, GEO INC (Continued)** **S101304431**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/04/2006
Comments: Annual inspection consists of photographs taken by the consultant with verification by staff from the County Environmental Health Department.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: DTSC oversight cost estimate for fiscal year 2017/2018 (July 1, 2017 - June 30, 2018)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2018
Comments: DTSC annual oversight cost estimate for fiscal year 2018/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: DTSC letter with oversight cost estimate for fiscal year 2016/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2012
Comments: Letter with DTSC oversight cost estimate for fiscal year 2012/2013 sent 10/31/2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2013
Comments: Not reported

**WILSON, GEO INC (Continued)** **S101304431**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/12/2016
Comments: Land Use Covenant Inspection Report: Site remains a multi-use development (subterranean garage; first floor commercial; multi-level residential units above first floor.) Cap in good condition; no changes to site or site use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2009
Comments: DTSC provided notification of its change in project managers and provided an estimate of its oversight costs for fiscal year 2009/2010. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/19/2010
Comments: The annual cost estimation letter was sent out on October 19, 2010 with a cost estimate of $7,924 for oversight cost of a 5-year review and operation and maintenance activities.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: WILSON, GEO INC
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700211
Global Id: T0608700211
Latitude: 36.9781583
Longitude: -122.0259179
Status: Completed - Case Closed
Status Date: 07/03/2015
Case Worker: TAS
RB Case Number: 480
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000043
Potential Media Affect: Other Groundwater (uses other than drinking water)





**WILSON, GEO INC (Continued)** **S101304431**

Potential Contaminants of Concern: Gasoline
Site History: Semiannual Monitoring and Sampling, Oxygen Release Compound Injection, Department of Toxic Substance Control Lead, 4 wells not sampled

LUST:
Global Id: T0608700211
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 03/19/2007
Action: 13267 Requirement

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 04/24/2014
Action: File review

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 05/30/2006
Action: CAP/RAP - Other Report

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/30/2012
Action: Correspondence

Global Id: T0608700211

**WILSON, GEO INC (Continued)** **S101304431**

Action Type: ENFORCEMENT
Date: 03/09/2006
Action: 13267 Requirement

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 02/06/2006
Action: 13267 Requirement

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 03/15/2013
Action: Staff Letter

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 02/11/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 08/06/2012
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700211
Action Type: Other
Date: 05/12/1987
Action: Leak Stopped

Global Id: T0608700211
Action Type: RESPONSE
Date: 09/29/2008
Action: Correspondence

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 01/21/2015





**WILSON, GEO INC (Continued)** **S101304431**

Action: File review

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 07/03/2015
Action: Closure/No Further Action Letter

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 09/01/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608700211
Action Type: RESPONSE
Date: 12/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 01/20/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/11/2013
Action: Other Report / Document

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: RESPONSE
Date: 05/27/2014
Action: Five Year Review Complete

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 10/24/2003
Action: 13267 Monitoring Program

Global Id: T0608700211
Action Type: Other
Date: 05/12/1987
Action: Leak Discovery

**WILSON, GEO INC (Continued)** **S101304431**

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/13/1999
Action: Correspondence

Global Id: T0608700211
Action Type: RESPONSE
Date: 01/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 03/19/2007
Action: Other Report / Document

Global Id: T0608700211
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: Staff Letter

Global Id: T0608700211
Action Type: ENFORCEMENT
Date: 11/19/2009
Action: 13267 Requirement

Global Id: T0608700211
Action Type: Other
Date: 06/08/1987
Action: Leak Reported

Global Id: T0608700211
Action Type: RESPONSE





**WILSON, GEO INC (Continued)** **S101304431**

Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700211
Action Type: RESPONSE
Date: 05/27/2014
Action: Other Workplan - Regulator Responded

Global Id: T0608700211
Action Type: RESPONSE
Date: 03/18/2015
Action: Well Destruction Report - Regulator Responded

Global Id: T0608700211
Action Type: REMEDIATION
Date: 03/07/2006
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0608700211
Action Type: REMEDIATION
Date: 06/01/1989
Action: Excavation

Global Id: T0608700211
Action Type: REMEDIATION
Date: 04/30/2006
Action: Monitored Natural Attenuation

Global Id: T0608700211
Action Type: REMEDIATION
Date: 11/01/2004
Action: Excavation

LUST:
Global Id: T0608700211
Status: Open - Case Begin Date
Status Date: 05/12/1987

**WILSON, GEO INC (Continued)** **S101304431**

Global Id: T0608700211
Status: Open - Site Assessment
Status Date: 11/15/1990

Global Id: T0608700211
Status: Open - Remediation
Status Date: 11/27/1990

Global Id: T0608700211
Status: Open - Remediation
Status Date: 02/06/1991

Global Id: T0608700211
Status: Open - Verification Monitoring
Status Date: 10/02/1997

Global Id: T0608700211
Status: Open - Remediation
Status Date: 04/30/2006

Global Id: T0608700211
Status: Open - Verification Monitoring
Status Date: 07/08/2009

Global Id: T0608700211
Status: Open - Eligible for Closure
Status Date: 02/10/2012

Global Id: T0608700211
Status: Open - Eligible for Closure
Status Date: 02/10/2013

Global Id: T0608700211
Status: Open - Remediation
Status Date: 06/24/2014

Global Id: T0608700211
Status: Open - Verification Monitoring
Status Date: 06/24/2014

Global Id: T0608700211
Status: Open - Eligible for Closure
Status Date: 04/01/2015

Global Id: T0608700211
Status: Completed - Case Closed
Status Date: 07/03/2015

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700211
Status: Post remedial action monitoring
Case Number: 480
Local Case Num: Not reported





**WILSON, GEO INC (Continued)** **S101304431**

Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Leak Source: Piping
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 06/08/1987
Discovered Date: 5/12/87
Enter Date: 07/14/1987
Stop Date: 5/12/87
Review Date: 06/19/2001
Enforce Date: 10/2/90
Close Date: Not reported
Enforcement Type: EF
Responsible Party: MIKE GOLDSMITH/TOM WILSON
RP Address: 125 RIVER STREET
Contact: Not reported
Cross Street: WINTER
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 11/15/1990
Remedial Plan: 11/27/90
Remedial Action: 2/6/91
Monitoring: 10/02/1997
Pilot Program: UST
Interim Action: Not reported
Funding: R
MTBE Class: C
Max MTBE Grnd Wtr: 10
Max MTBE Soil: Not reported
Max MTBE Data: 05/01/2001
MTBE Tested: YES
Lat/Long: 36.9781583 / -122.0259179
Soil Qualifier: Not reported
Grnd Wtr Qualifier: <
Mtbe Concentratn: 2
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: REMEDIATION SYSTEM OPERATING WITH SUCCESS. SEE ALSO FILE FOR MANUFACTURED GAS PLANT, RIVER ST. AND N. PACIFIC AVENUE

**WILSON, GEO INC (Continued)** **S101304431**

Calsite:

| | |
|---|---|
| Name: | RIVER STREET REDEVELOPMENT SITE |
| Address: | 125 RIVER ST |
| City: | SANTA CRUZ |
| Region: | BERKELEY |
| Facility ID: | 44990002 |
| Facility Type: | ERAP |
| Type: | EXPEDITED REMEDIAL ACTION PROGRAM |
| Branch: | NC |
| Branch Name: | NORTH COAST |
| File Name: | RIVER STREET REDEVELOPMENT SITE |
| State Senate District: | 12111997 |
| Status: | CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT |
| Status Name: | CERTIFIED |
| Lead Agency: | DEPT OF TOXIC SUBSTANCES CONTROL |
| NPL: | Not Listed |
| SIC Code: | 99 |
| SIC Name: | NONCLASSIFIABLE ESTABLISHMENTS |
| Access: | Not reported |
| Cortese: | Not reported |
| Hazardous Ranking Score: | Not reported |
| Date Site Hazard Ranked: | Not reported |
| Groundwater Contamination: | Not reported |
| Staff Member Responsible for Site: | JNAITO |
| Supervisor Responsible for Site: | Not reported |
| Region Water Control Board: | CC |
| Region Water Control Board Name: | CENTRAL COAST |
| Lat/Long Direction: | Not reported |
| Lat/Long (dms): | 0 0 0 / 0 0 0 |
| Lat/long Method: | Not reported |
| Lat/Long Description: | Not reported |
| State Assembly District Code: | 27 |
| State Senate District Code: | 11 |
| Facility ID: | 44990002 |
| Activity: | PEA |
| Activity Name: | PRELIMINARY ENDANGERMENT ASSESSMENT |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 11251997 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |





**WILSON, GEO INC (Continued)** **S101304431**

| | |
|---|---|
| Facility ID: | 44990002 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12211998 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | CONF |
| Activity Name: | SITE CONFERENCES FOR SB 923 SITES |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 02251998 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | PRP |
| Activity Name: | POTENTIAL RESPONSIBLE PARTY SEARCH |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12211998 |
| Est Person-Yrs to complete: | 0 |

**WILSON, GEO INC (Continued)** **S101304431**

| | |
|---|---|
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | 2061 |
| Activity Name: | AB 2061 DESIGNATION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12111997 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | RAP |
| Activity Name: | REMEDIAL ACTION PLAN / RECORD OF DECISION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 06262003 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |





**WILSON, GEO INC (Continued)** **S101304431**

| | |
|---|---|
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | DES |
| Activity Name: | DESIGN |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Revised Due Date: | Not reported |
| Comments Date: | 10082004 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | RMDL |
| Activity Name: | REMEDIAL ACTION (RAP REQUIRED) |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | 02282005 |
| Revised Due Date: | Not reported |
| Comments Date: | 02282005 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 8660 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | INJECTED 510 POUNDS OF CHEMICAL OXIDIZING AGENT TO ENHANCE AEROBICBIOLOGICAL DEGRADATION OF GROUNDWATER. THE AREA WILL BE MONITORED. |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |

**WILSON, GEO INC (Continued)** **S101304431**

| | |
|---|---|
| Activity: | CERT |
| Activity Name: | CERTIFICATION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | 02282005 |
| Revised Due Date: | Not reported |
| Comments Date: | 03012005 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 05082002 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | AMEND |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 01052001 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |





**WILSON, GEO INC (Continued)** **S101304431**

| | |
|---|---|
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44990002 |
| Activity: | CEQA |
| Activity Name: | CEQA INCLUDING NEGATIVE DECS |
| AWP Code: | NEG'D |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 06262003 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | ERAP |
| Definition of Status: | EXPEDITED REMEDIAL ACTION PROGRAM SITES |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Alternate Address: | 125 RIVER STREET |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95061 |
| Alternate Address: | 125 RIVER ST |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95060 |
| Background Info: | The 1.4 acre Site is made up of nine parcels in downtown Santa Cruz. The Site is capped by pavement or building floors. The buildings are divided into numerous tenant/business spaces and are occupied by retail stores, art co-ops, picture frame storage and assembly shop, bicycle repair shop and lumber yard. Part of the property is underlain by a gasoline plume whose remediation is being overseen by the RWQCB. A manufactured gas plant used to operate across the street from the Site from approximately 1867-1930. |
| Comments Date: | 01052001 |
| Comments: | Amend Order to add PRPs. |
| Comments Date: | 01121998 |
| Comments: | The Site Designation Committee designated DTSC as the |
| Comments Date: | 01121998 |
| Comments: | administering agency for this Site. The Site Designation |

**WILSON, GEO INC (Continued)** **S101304431**

Comments Date: 01121998
Comments: Committee met on December 11, 1997.
Comments Date: 02251998
Comments: A Site Conference was held pursuant to H&SC section 25398.2 at
Comments Date: 02251998
Comments: 1080 Emeline in Santa Cruz with members of affected agencies,
Comments Date: 02251998
Comments: identified potentially responsible persons, and other interested
Comments Date: 02251998
Comments: persons.
Comments Date: 05082002
Comments: Approve RIFS.
Comments Date: 06262003
Comments: Approve RAP requiring soil removal.
Comments Date: 09121997
Comments: Wilson Entities, Ltd., signed a Notice of Intent to enter into
Comments Date: 09121997
Comments: ERAP.
Comments Date: 11191997
Comments: Andrew Lenz, owner of 2040 Pacific Avenue parcel, signed a
Comments Date: 11191997
Comments: notice of intent to enter into ERAP.
Comments Date: 11251997
Comments: Approved PEA. A PEA was submitted for the River Street
Comments Date: 11251997
Comments: Redevelopment Site for consideration for the Expedited Remedial
Comments Date: 11251997
Comments: Action Program. The PEA concluded that the soil contaminated
Comments Date: 11251997
Comments: with polycyclic aromatic hydrocarbons (PAHs) does not pose an
Comments Date: 11251997
Comments: interim endangerment, but that a significant response action is
Comments Date: 11251997
Comments: necessary.
Comments Date: 12211998
Comments: DTSC entered into an Expedited Remedial Action Enforceable
Comments Date: 12211998
Comments: Agreement with Wilson Entities, Ltd. The Lenz family did not
Comments Date: 12211998
Comments: sign the agreement.
ID Name: CALSTARS CODE
ID Value: 290003
Alternate Name: RIVER STREET REDEVELOPMENT SITE
Alternate Name: RIVER STREET TRIANGLE
Alternate Name: FORMER GEORGE H. WILSON SITE
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:
Name: RIVER STREET REDEVELOPMENT SITE
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: 44990002
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE





**WILSON, GEO INC (Continued)** **S101304431**

Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 02/28/2005
File Name: Envirostor Land Use Restrictions

Name: RIVER STREET REDEVELOPMENT SITE
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: 44990002
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 02/28/2005
File Name: Envirostor Land Use Restrictions

Name: RIVER STREET REDEVELOPMENT SITE
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: 44990002
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 02/28/2005
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: WILSON, GEO INC
Address: 125 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700211
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

**WILSON, GEO INC (Continued)** **S101304431**

HIST CORTESE:
- edr_fname: WILSON, GEO., INC.
- edr_fadd1: 125 RIVER
- City,State,Zip: SANTA CRUZ, CA 95060
- Region: CORTESE
- Facility County Code: 44
- Reg By: LTNKA
- Reg Id: 480

CERS:
- Name: WILSON, GEO INC
- Address: 125 RIVER ST
- City,State,Zip: SANTA CRUZ, CA 95060
- Site ID: 203879
- CERS ID: T0608700211
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
- Entity Title: Not reported
- Affiliation Address: 701 Ocean Street, Room 312
- Affiliation City: SANTA CRUZ
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
- Entity Title: Not reported
- Affiliation Address: 895 AEROVISTA PL, SUITE 101
- Affiliation City: SAN LUIS OBISPO
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

---

**X110 NW 1/4-1/2 0.424 mi. 2237 ft.** **RITTENHOUSE**
**406 MISSION ST**
**SANTA CRUZ, CA 95060**
**Site 3 of 3 in cluster X**

**LUST** **S102435888**
**Cortese** **N/A**
**HIST CORTESE**
**CERS**

**Relative: Higher**
**Actual: 90 ft.**

LUST:
- Name: RITTENHOUSE
- Address: 406 MISSION ST
- City,State,Zip: SANTA CRUZ, CA 95060
- Lead Agency: SANTA CRUZ COUNTY
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700309
- Global Id: T0608700309
- Latitude: 36.9763003
- Longitude: -122.0328312
- Status: Completed - Case Closed
- Status Date: 07/15/1988





**RITTENHOUSE (Continued)** **S102435888**

- Case Worker: Not reported
- RB Case Number: 998
- Local Agency: Not reported
- File Location: Not reported
- Local Case Number: Not reported
- Potential Media Affect: Soil
- Potential Contaminants of Concern: Gasoline
- Site History: Not reported

LUST:
- Global Id: T0608700309
- Action Type: ENFORCEMENT
- Date: 08/28/1989
- Action: Closure/No Further Action Letter

- Global Id: T0608700309
- Action Type: Other
- Date: 09/11/1990
- Action: Leak Reported

LUST:
- Global Id: T0608700309
- Status: Completed - Case Closed
- Status Date: 07/15/1988

- Global Id: T0608700309
- Status: Open - Case Begin Date
- Status Date: 07/15/1988

LUST REG 3:
- Region: 3
- Regional Board: Central Coast Region
- Facility County: Santa Cruz
- Global ID: T0608700309
- Status: Case Closed
- Case Number: 998
- Local Case Num: Not reported
- Case Type: S
- Substance: Gasoline
- Quantity: Not reported
- Abatement Method: U
- Leak Source: UNK
- Leak Cause: UNK
- How Stopped: Not reported
- How Discovered: OM
- Release Date: 09/11/1990
- Discovered Date: Not reported
- Enter Date: 09/21/1990
- Stop Date: Not reported
- Review Date: 09/11/1990
- Enforce Date: Not reported
- Close Date: 7/15/88
- Enforcement Type: Not reported
- Responsible Party: Not reported
- RP Address: Not reported
- Contact: Not reported

**RITTENHOUSE (Continued)** **S102435888**

Cross Street: Not reported
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9763003 / -122.0328312
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: Not reported

CORTESE:
Name: RITTENHOUSE
Address: 406 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700309
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported





**RITTENHOUSE (Continued)** **S102435888**

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: RITTENHOUSE
edr_fadd1: 406 MISSION
City,State,Zip: SANTA CRUZ, CA
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 998

CERS:
Name: RITTENHOUSE
Address: 406 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 252379
CERS ID: T0608700309
CERS Description: Leaking Underground Storage Tank Cleanup Site

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**111** **PG AND E GAS PLANT SANTA CRUZ** **EDR MGP** **1008407776**
**North** **W SIDE N PACIFIC ADJ TO RIVER STREET** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060**
**0.424 mi.**
**2241 ft.**

**Relative:**
**Higher**

**Actual:**
**25 ft.**

Manufactured Gas Plants:
No additional information available

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**Z112** **LINDBERG STREET REDEVELOPMENT SITE** **RESPONSE** **S102860964**
**North** **110 LINDBERG STREET** **ENVIROSTOR** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060**
**0.431 mi.**
**2277 ft.** **Site 2 of 6 in cluster Z**

**Relative:**
**Lower**

**Actual:**
**12 ft.**

RESPONSE:
Name: LINDBERG STREET REDEVELOPMENT SITE
Address: 110 LINDBERG STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44750005
Site Type: State Response
Site Type Detail: State Response ERAP
Acres: 0.8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Site Code: 290004

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S102860964**

Site Mgmt. Req.: NONE SPECIFIED
Assembly: 29
Senate: 17
Special Program Status: Designation of Single Agency
Status: Certified
Status Date: 03/01/2001
Restricted Use: NO
Funding: Responsible Party
Latitude: 36.97880
Longitude: -122.0259
APN: 008-311-26, 008-311-27
Past Use: BATTERY STORAGE, VEHICLE MAINTENANCE
Potential COC : Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Arsenic Lead TPH-MOTOR OIL
Potential Description: SOIL
Alias Name: LINDBERG STREET PROPERTY
Alias Type: Alternate Name
Alias Name: LINDBERG STREET REDEVELOPMENT SITE
Alias Type: Alternate Name
Alias Name: 008-311-26
Alias Type: APN
Alias Name: 008-311-27
Alias Type: APN
Alias Name: 110033607737
Alias Type: EPA (FRS #)
Alias Name: 290004
Alias Type: Project Code (Site Code)
Alias Name: 44750005
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 02/25/1998
Comments: A site conference was held pursuant to H&SC section 25398.2 at 1080 Emeline in Santa Cruz. Attending were staff from affected agencies, identified potentially responsible parties and other interested parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 12/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Allocation of Liability for SB 923 Sites
Completed Date: 01/22/2001
Comments: Apportionment of liability was allocated as follows: Wilson Entities, Ltd-15%; George H. Wilson-0.25%; James and Sue Wilson-0.5%; orphan share- 84.25%.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/22/2001





**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S102860964**

Comments: CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2001
Comments: Site certified. Orphan share claim of $555,611 was remitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/21/1998
Comments: DTSC and Wilson Entities, Ltd. entered into the Expedited Remedial Action Enforceable Agreement for this Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/28/2001
Comments: DTSC approved Remedial Action Implementation Report. The report documents the removal of approximately 3,000 cubic yards (4,500 tons) of soil and 150 cubic yards of soil and debris associated with crushed battery casings. Confirmation samples indicated that cleanup goals had been achieved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/22/2001
Comments: Remedial Action Plan approved that requires excavation and offsite disposal of all soil with contaminants above cleanup goals based upon unrestricted land use standards. Public comment period ran from December 15, 2000 through January 19, 2001, with a public meeting on January 10, 2001. Chemicals of Concern are arsenic, lead, diesel, motor oil and polycyclic aromatic hydrocarbons.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/14/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/1997
Comments: A PEA was submitted for the Lindberg Street Redevelopment Site for consideration for the Expedited Remedial Action Program. The PEA concluded that the soil contaminated with lead does not pose an interim endangerment, but that a significant response action is necessary.

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S102860964**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/28/2000
Comments: Public Participation Plan approved by Heidi Nelson, DTSC's Public Participation Specialist

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: LINDBERG STREET REDEVELOPMENT SITE
Address: 110 LINDBERG STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44750005
Status: Certified
Status Date: 03/01/2001
Site Code: 290004
Site Type: State Response
Site Type Detailed: State Response ERAP
Acres: 0.8
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 36.97880
Longitude: -122.0259
APN: 008-311-26, 008-311-27
Past Use: BATTERY STORAGE, VEHICLE MAINTENANCE
Potential COC: Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-MOTOR OIL
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Arsenic Lead TPH-MOTOR OIL
Potential Description: SOIL
Alias Name: LINDBERG STREET PROPERTY
Alias Type: Alternate Name
Alias Name: LINDBERG STREET REDEVELOPMENT SITE
Alias Type: Alternate Name
Alias Name: 008-311-26
Alias Type: APN
Alias Name: 008-311-27
Alias Type: APN
Alias Name: 110033607737
Alias Type: EPA (FRS #)





**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S102860964**

Alias Name: 290004
Alias Type: Project Code (Site Code)
Alias Name: 44750005
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 02/25/1998
Comments: A site conference was held pursuant to H&SC section 25398.2 at 1080 Emeline in Santa Cruz. Attending were staff from affected agencies, identified potentially responsible parties and other interested parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 12/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Allocation of Liability for SB 923 Sites
Completed Date: 01/22/2001
Comments: Apportionment of liability was allocated as follows: Wilson Entities, Ltd-15%; George H. Wilson-0.25%; James and Sue Wilson-0.5%; orphan share- 84.25%.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/22/2001
Comments: CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/01/2001
Comments: Site certified. Orphan share claim of $555,611 was remitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/21/1998
Comments: DTSC and Wilson Entities, Ltd. entered into the Expedited Remedial Action Enforceable Agreement for this Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/28/2001
Comments: DTSC approved Remedial Action Implementation Report. The report documents the removal of approximately 3,000 cubic yards (4,500 tons) of soil and 150 cubic yards of soil and debris associated with crushed battery casings. Confirmation samples indicated that cleanup goals had been achieved.

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S102860964**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/22/2001
Comments: Remedial Action Plan approved that requires excavation and offsite disposal of all soil with contaminants above cleanup goals based upon unrestricted land use standards. Public comment period ran from December 15, 2000 through January 19, 2001, with a public meeting on January 10, 2001. Chemicals of Concern are arsenic, lead, diesel, motor oil and polycyclic aromatic hydrocarbons.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/14/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/1997
Comments: A PEA was submitted for the Lindberg Street Redevelopment Site for consideration for the Expedited Remedial Action Program. The PEA concluded that the soil contaminated with lead does not pose an interim endangerment, but that a significant response action is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/28/2000
Comments: Public Participation Plan approved by Heidi Nelson, DTSC's Public Participation Specialist

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported





**Z113 North 1/4-1/2 0.431 mi. 2277 ft.** **LINDBERG STREET REDEVELOPMENT SITE** **HIST Cal-Sites** **S105838319**
**110 LINDBERG STREET** **N/A**
**SANTA CRUZ, CA 95060**

**Site 3 of 6 in cluster Z**

**Relative: Lower**
**Actual: 12 ft.**

Calsite:
Name: LINDBERG STREET REDEVELOPMENT SITE
Address: 110 LINDBERG STREET
City: SANTA CRUZ
Region: BERKELEY
Facility ID: 44750005
Facility Type: ERAP
Type: EXPEDITED REMEDIAL ACTION PROGRAM
Branch: NC
Branch Name: NORTH COAST
File Name: LINDBERG STREET REDEVELOPMENT SITE
State Senate District: 03012001
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 75
SIC Name: AUTO REPAIR, SERVICES & PARKING
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: JNAITO
Supervisor Responsible for Site: Not reported
Region Water Control Board: CC
Region Water Control Board Name: CENTRAL COAST
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 27
State Senate District Code: 11
Facility ID: 44750005
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11251997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12211998 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | CONF |
| Activity Name: | SITE CONFERENCES FOR SB 923 SITES |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 02251998 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | PRP |
| Activity Name: | POTENTIAL RESPONSIBLE PARTY SEARCH |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |





**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12211998 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | 2061 |
| Activity Name: | AB 2061 DESIGNATION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12111997 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12142000 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | RAP |
| Activity Name: | REMEDIAL ACTION PLAN / RECORD OF DECISION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 01222001 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | DES |
| Activity Name: | DESIGN |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 01232001 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |





**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | RMDL |
| Activity Name: | REMEDIAL ACTION (RAP REQUIRED) |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 02282001 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 3400 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | N |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | CERT |
| Activity Name: | CERTIFICATION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 03012001 |
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0.80000 |
| Unknown Type: | 0 |
| Facility ID: | 44750005 |
| Activity: | CEQA |
| Activity Name: | CEQA INCLUDING NEGATIVE DECS |
| AWP Code: | NEG'D |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 01222001 |

**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| Est Person-Yrs to complete: | 0 |
| Estimated Size: | Not reported |
| Request to Delete Activity: | Not reported |
| Activity Status: | CERT |
| Definition of Status: | CERTIFIED |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | Not reported |
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Alternate Address: | 110 LINDBERG STREET |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95061 |
| Alternate Address: | 1 LINDBERG STREET |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95061 |
| Alternate Address: | 110 LINDEN ST |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95062 |
| Alternate Address: | 110 LINDBERG STREET |
| Alternate City,St,Zip: | SANTA CRUZ, CA 95060 |
| Background Info: | The approximately 0.8 acre Site is located in downtown Santa Cruz. The Site was an auto wrecking yard from approximately 1946 through the early 1960s. It was then used for storage by a plumbing, heating and ventilation contractor through 1993 and then for woodworking and lumber storage until the Site was remediated. Soil containing PAHs, lead and arsenic above residential cleanup goals was excavated and disposed of offsite at an appropriate landfill. |
| Comments Date: | 01121998 |
| Comments: | Site Designation Committee designated DTSC as the administering |
| Comments Date: | 01121998 |
| Comments: | agency for the Site. Site Designation Committee meeting was |
| Comments Date: | 01121998 |
| Comments: | held 12/11/97. |
| Comments Date: | 01222001 |
| Comments: | Remedial Action Plan and CEQA Negative Declaration approved |
| Comments Date: | 01222001 |
| Comments: | that requires excavation and offsite disposal of all soil with |
| Comments Date: | 01222001 |
| Comments: | contaminants above cleanup goals based upon unrestricted land |
| Comments Date: | 01222001 |
| Comments: | use standards. Public comment period ran from December 15, 2000 |
| Comments Date: | 01222001 |
| Comments: | through January 19, 2001, with a public meeting on January 10, |
| Comments Date: | 01222001 |
| Comments: | 2001. Chemicals of Concern are arsenic, lead, diesel, motor oil |
| Comments Date: | 01222001 |
| Comments: | and polycyclic aromatic hydrocarbons. Apportionment of |
| Comments Date: | 01222001 |
| Comments: | liability was allocated as follows: Wilson Entities, Ltd-15%; |
| Comments Date: | 01222001 |
| Comments: | George H. Wilson-0.25; James and Sue Wilson-0.5%; orphan share- |
| Comments Date: | 01222001 |





**LINDBERG STREET REDEVELOPMENT SITE (Continued)** **S105838319**

| | |
|---|---|
| Comments: | 84.25%. |
| Comments Date: | 02251998 |
| Comments: | A site conference was held pursuant to H&SC section 25398.2 at |
| Comments Date: | 02251998 |
| Comments: | 1080 Emeline in Santa Cruz. Attending were staff from affected |
| Comments Date: | 02251998 |
| Comments: | agencies, identified potentially responsible parties and |
| Comments Date: | 02251998 |
| Comments: | other interested parties. |
| Comments Date: | 02282001 |
| Comments: | DTSC approved Remedial Action Implementation Report. The report |
| Comments Date: | 02282001 |
| Comments: | documents the removal of approximately 3,000 cubic yards (4,500 |
| Comments Date: | 02282001 |
| Comments: | tons) of soil and 150 cubic yards of soil and debris associated |
| Comments Date: | 02282001 |
| Comments: | with crushed battery casings. Confirmation samples indicated |
| Comments Date: | 02282001 |
| Comments: | that cleanup goals had been achieved. |
| Comments Date: | 02282001 |
| Comments: | Not reported |
| Comments Date: | 02282001 |
| Comments: | Not reported |
| Comments Date: | 02282001 |
| Comments: | Not reported |
| Comments Date: | 02282001 |
| Comments: | Not reported |
| Comments Date: | 02282001 |
| Comments: | Not reported |
| Comments Date: | 03012001 |
| Comments: | Site certified. Orphan share claim of $555,611 were remitted. |
| Comments Date: | 11251997 |
| Comments: | Approved PEA. A PEA was submitted for the Lindberg Street |
| Comments Date: | 11251997 |
| Comments: | Redevelopment Site for consideration for the Expedited Remedial |
| Comments Date: | 11251997 |
| Comments: | Action Program. The PEA concluded that the soil contaminated |
| Comments Date: | 11251997 |
| Comments: | with lead does not pose an interim endangerment, but that a |
| Comments Date: | 11251997 |
| Comments: | significant response action is necessary. |
| Comments Date: | 12211998 |
| Comments: | DTSC and Wilson Entities, Ltd. entered into the Expedited |
| Comments Date: | 12211998 |
| Comments: | Remedial Action Enforceable Agreement for this Site. |
| Comments Date: | 12211998 |
| Comments: | Not reported |
| ID Name: | CALSTARS CODE |
| ID Value: | 290004 |
| Alternate Name: | LINDBERG STREET REDEVELOPMENT SITE |
| Alternate Name: | LINDBERG STREET PROPERTY |
| Alternate Name: | Not reported |
| Special Programs Code: | Not reported |
| Special Programs Name: | Not reported |

**Z114 North 1/4-1/2 0.436 mi. 2301 ft.** | **PG&E, SANTA CRUZ MGP** | **ENVIROSTOR** | **S109348530**
**NORTH PACIFIC AVENUE & RIVER STREET** | **VCP** | **N/A**
**SANTA CRUZ, CA 95060**

**Site 4 of 6 in cluster Z**

**Relative: Higher**
**Actual: 19 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | PG&E, SANTA CRUZ MGP |
| Address: | NORTH PACIFIC AVENUE & RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 60000413 |
| Status: | Active |
| Status Date: | 11/28/2006 |
| Site Code: | 202381 |
| Site Type: | Voluntary Cleanup |
| Site Type Detailed: | Voluntary Cleanup |
| Acres: | 1.3 |
| NPL: | NO |
| Regulatory Agencies: | SMBRP |
| Lead Agency: | SMBRP |
| Program Manager: | Sagar Bhatt |
| Supervisor: | Julie Pettijohn |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | Voluntary Cleanup Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Responsible Party |
| Latitude: | 36.97871 |
| Longitude: | -122.0273 |
| APN: | 006-361-23, 006-361-24, 006-511-02, 006-511-03, 006-511-05 |
| Past Use: | MANUFACTURED GAS PLANT |
| Potential COC: | Arsenic Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL |
| Confirmed COC: | Arsenic Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL |
| Potential Description: | OTH, SOIL |
| Alias Name: | PG&E |
| Alias Type: | Alternate Name |
| Alias Name: | Santa Cruz Electrical Light and Power Company |
| Alias Type: | Alternate Name |
| Alias Name: | Santa Cruz Gas Company |
| Alias Type: | Alternate Name |
| Alias Name: | 006-361-23 |
| Alias Type: | APN |
| Alias Name: | 006-361-24 |
| Alias Type: | APN |
| Alias Name: | 006-511-02 |
| Alias Type: | APN |
| Alias Name: | 006-511-03 |
| Alias Type: | APN |
| Alias Name: | 006-511-05 |
| Alias Type: | APN |
| Alias Name: | 110033611081 |
| Alias Type: | EPA (FRS #) |
| Alias Name: | SLT3S2001337 |
| Alias Type: | GeoTracker Global ID |
| Alias Name: | 201726 |





**PG&E, SANTA CRUZ MGP (Continued)** | **S109348530**

| | |
|---|---|
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 202381 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 60000413 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Preliminary Endangerment Assessment Workplan |
| Completed Date: | 12/20/2007 |
| Comments: | Workplan approval letter dated 12/20/07, signed and mailed to RPs. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Fieldwork |
| Completed Date: | 03/14/2008 |
| Comments: | Field work finished 3/14/08. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Site Characterization Report |
| Completed Date: | 06/05/2008 |
| Comments: | Review and discussion of preliminary site investigation completed on 6/5/08. PG&E and Chevron to prepare workplan to complete site characterization, and generate enough information to perpare PEA report. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Newsletter |
| Completed Date: | 02/13/2008 |
| Comments: | Work notice completed and ready for distribution. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Community Profile |
| Completed Date: | 07/22/2008 |
| Comments: | Community profile approved by DTSC public participation specialist on 7/22/08. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Site Characterization Workplan |
| Completed Date: | 09/08/2008 |
| Comments: | Additional sampling locations approved 9/8/08. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Fieldwork |
| Completed Date: | 09/27/2008 |
| Comments: | Fieldwork is complete. |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Remedial Investigation Report |
| Completed Date: | 05/13/2009 |
| Comments: | Not reported |

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/03/2012
Comments: The fact sheet was sent out to the site's mailing list on January 3, 2012 announcing the public comment period for the draft Remedial Action Plan. The comment period will run from January 9 through February 7, 2012 with the public meeting to be held on January 17, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/03/2012
Comments: The public notice was placed in the local newpaper on January 5, 2012 announcing the public comment period for the draft Remedial Action Plan. The comment period will run from January 9 through February 7, 2012 with the public meeting to be held on January 17, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2019
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2019/2020 (July 1, 2019 - June 30, 2020).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2021
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2021/2022 (July 1, 2021 - June 30, 2022).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/06/2013
Comments: The Workplan outlines sampling to be performed to evaluate the post-remediation soil gas conditions at the Site. The soil gas sampling data will be incorporated into the post-remediation risk assessment that will be included in the Remedial Action Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/07/2012
Comments: Technicial Memo to summarize the results of the pre-design activiteis to obtain additional data to facility the design, planning, and permitting of the final Site remedy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2017
Comments: The Workplan outlines the monitoring well installation, development, and sampling procedures and monitoring well locations for the long-term post-remediation groundwater monitoring program.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/24/2018
Comments: The work notice was distributed to inform the community of the removal of soil gas probes and installation of groundwater monitoring wells for post-remediation operation and maintenance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 10/30/2018
Comments: The report document post-remediation groundwater monitoring well installation and soil gas probe destruction that was performed in accordance with the Workplan for Post-Remediation Monitoring Well Installation and Groundwater Sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2018
Comments: The report summarizes the results of groundwater monitoring performed on March 19 and 20 and May 15, 2018 and was the first semi-annual monitoring event to be conducted since the completion of the remedial action. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with, the results of past groundwater sampling conducted in 2008, 2011, and 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2019
Comments: The Report summarizes the results of the groundwater monitoring event that was conducted on November 5 and 6, 2018. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with the results of past groundwater sampling, with the exception of low concentrations of lead detected for the first time in wells MW-2A and MW-4R.

Completed Area Name: PROJECT WIDE

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/20/2019
Comments: The Soil Management Plan describes the procedures to be followed during disturbance of soil beneath portions of street and sidewalk in the City of Santa Cruz public right-of-way located along River Street and North Pacific Avenue adjacent to the former Santa Cruz Manufactured Gas Plant site. Soil in this area may contain manufactured gas plant residues. The Soil Management Plan includes health and safety procedures for workers who may be exposed to impacted soil, and procedures for excavation, characterization, and disposal or reuse of soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2019
Comments: The Report summarizes the results of the groundwater monitoring event that was conducted on April 8, 2019. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with the results of past groundwater sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/14/2007
Comments: Cleanup Agreement fully executed on 5/14/07. DTSC, PG&E and Chevron each have an original signed copies of the Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/18/2006
Comments: Sent information request letter on 11/14/06 to additional property owner. Requested response by 12/29/06 (45 days).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/19/2019
Comments: Letter to PG&E and Chevron providing notification that the new DTSC project manager will be Sagar Bhatt.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2020
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2020/2021 (July 1, 2020 - June 30, 2021).





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/31/2020
Comments: Pre-HARP filled out to outline Covid-19 related precautions for on-site meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2016
Comments: DTSC letter with oversight cost estimate for project activities scheduled for fiscal year 2016/2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/22/2011
Comments: Demand Letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/08/2011
Comments: DTSC sent out the 2011 Annual Cost Estimation letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/21/2012
Comments: DTSC determined that implementing the Remedial Action Plan would not have any significant impacts to the environment and signed and filed the final CEQA Negative Declaration. DTSC subsequently filed a Notice of Determination with the State Clearinghouse. Impacts that were evaluated included transportation, air, water, soil, and green house gases.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2013
Comments: PG&E has completed the fieldwork activites as prescribed in the approved Remedial Action Plan. A completion report is currently being prepared to document the field activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/11/2016
Comments: The Completion Report documents the remediation activities that were performed in accordance with the approved Remedial Action Plan. It also documents post-remediation site conditions (hazardous substances left in place) and includes the Post-remediation Human Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/06/2010
Comments: DTSC sent out an approval letter on April 6, 2010. This RI was conducted at the Santa Cruz former MGP, a 1.3-acre site that now includes four office buildings (with second and third floor residential units above commercial space in one building) and parking areas. The RI scope of work was completed in 2008 to characterize subsurface conditions such that appropriate environmental remediation planning and implementation may be undertaken by PG&E and Chevron. The overall objective was to adequately characterize the nature and extent of impacts so potential health risks and remedial alternatives can be evaluated. Based on the results of soil sampling activities, MGP residues are present in isolated areas generally above the groundwater table, primarily in (1) fill soil (up to 11 feet bgs) in the northeastern portion of the Site along the street-side Site boundary, both north and east of the Kelly Building and (2) shallow fill soil (up to 3.5 feet bgs) on the west and southwest side of the Kelly Building. On the north and east side of the Kelly Building, visible MGP residues including lampblack and tars appear to have been mixed with soil during past grading or redevelopment activities. PAHs, TPH-e, benzene and cyanide are the primary chemicals associated with these impacted soils. In addition, hydrocarbons that appear to represent residual MGP fuel oil are present between approximately 5 and 22 feet bgs in subsurface soil (1) within a narrow isolated area along the street-side Site boundary in the northern-most portion of the Site and (2) in the northern small parking lot of the 2035 North Pacific Avenue property. NAPL was observed in soil samples from both of these areas. TPH-e is the primary chemical associated with these impacted soils. Relatively low concentrations of PAHs and TPH-e were also detected in shallow soils (up to 3 feet bgs) in other limited areas of the Site. With the exception of areas along the adjacent streets and at few locations where access limitations prevented deep soil sampling, the vertical and lateral extent of these constituents





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations. Elevated levels of arsenic are present in shallow fill soil (up to approximately 5 feet bgs) throughout the northern half of the Site. The source of the elevated arsenic in this area is unknown, though may be associated with the use of arsenic-bearing herbicides used to control weeds during or subsequent to the operation of the former MGP. Cadmium was also detected at elevated levels in shallow soil, but appears to be representative of local background conditions. Elevated levels of lead and cyanide were found in buried debris and underlying soil in a limited area in the northern portion of the Site (beneath lumberman s parking lot). The source of the lead and cyanide is unknown. The vertical and lateral extent of arsenic, lead and cyanide has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations with the exception of arsenic, which was not delineated in the adjacent street due to access limitations. Based on the results of soil gas sampling activities, VOCs are present in soil gas at the Site at generally low concentrations. The highest concentrations (benzene and naphthalene) were detected in soil gas samples collected from soils containing MGP lampblack residues, including elevated levels of PAHs and TPH-e, located north and east of the Kelly Building. In this area, MGP residues appear to have been mixed with soils during past grading or redevelopment activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 05/10/2011
Comments: DTSC has approved PG&E Groundwater Monitoring Plan to perform quarterly groundwater sampling and monitoring to ensure that the former MGP operations has not impacted groundwater downgradient from the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/21/2012
Comments: DTSC approved the Final Remedial Action Plan. The selected remedial alternative is focused soil removal with capping and land-use covenants to restrict the properties that comprise the site from sensitive uses where contamination remains in place. The remediation is scheduled to begin in the summer of 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/21/2011
Comments: DTSC has approved the Public Participation Plan for the former Santa Cruz Manufactured Gas Plant Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 01/10/2012
Comments: Not reported

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/22/2012
Comments: The work notice provides notification to the community that implementation of Remedial Action Plan will begin on September 4, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/29/2013
Comments: The Workplan proposes six soil gas sampling locations around the perimeter of the building at the 2035 North Pacific Avenue property. The additional soil gas sampling is proposed because an unanticipated timber structure was encountered during remediation and may extend beneath the building. The structure is possibly a feature from the former manufactured gas plant that operated at the Site. The additional soil gas sampling outlined in the Workplan will augment previous data from previous soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/05/2013
Comments: Not reported





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/30/2011
Comments: Demand Letter #2

Future Area Name: 223 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: 235 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2024
Future Area Name: 201 - 221 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: 2035 North Pacific Avenue
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2025
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: PG&E, SANTA CRUZ MGP
Address: NORTH PACIFIC AVENUE & RIVER STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 60000413
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Sagar Bhatt
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Site Code: 202381
Assembly: 29
Senate: 17
Special Programs Code: Voluntary Cleanup Program
Status: Active

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Status Date: 11/28/2006
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 36.97871 / -122.0273
APN: 006-361-23, 006-361-24, 006-511-02, 006-511-03, 006-511-05
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30019, 30024, 30025, 3002502
Confirmed COC: 30001,30019,30024,30025,3002502
Potential Description: OTH, SOIL
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: Santa Cruz Electrical Light and Power Company
Alias Type: Alternate Name
Alias Name: Santa Cruz Gas Company
Alias Type: Alternate Name
Alias Name: 006-361-23
Alias Type: APN
Alias Name: 006-361-24
Alias Type: APN
Alias Name: 006-511-02
Alias Type: APN
Alias Name: 006-511-03
Alias Type: APN
Alias Name: 006-511-05
Alias Type: APN
Alias Name: 110033611081
Alias Type: EPA (FRS #)
Alias Name: SLT3S2001337
Alias Type: GeoTracker Global ID
Alias Name: 201726
Alias Type: Project Code (Site Code)
Alias Name: 202381
Alias Type: Project Code (Site Code)
Alias Name: 60000413
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 12/20/2007
Comments: Workplan approval letter dated 12/20/07, signed and mailed to RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/14/2008
Comments: Field work finished 3/14/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/05/2008
Comments: Review and discussion of preliminary site investigation completed on 6/5/08. PG&E and Chevron to prepare workplan to complete site characterization, and generate enough information to perpare PEA report.





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter
Completed Date: 02/13/2008
Comments: Work notice completed and ready for distribution.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/22/2008
Comments: Community profile approved by DTSC public participation specialist on 7/22/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/08/2008
Comments: Additional sampling locations approved 9/8/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/27/2008
Comments: Fieldwork is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/13/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/03/2012
Comments: The fact sheet was sent out to the site's mailing list on January 3, 2012 announcing the public comment period for the draft Remedial Action Plan. The comment period will run from January 9 through February 7, 2012 with the public meeting to be held on January 17, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/03/2012
Comments: The public notice was placed in the local newpaper on January 5, 2012 announcing the public comment period for the draft Remedial Action Plan. The comment period will run from January 9 through February 7, 2012 with the public meeting to be held on January 17, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2019
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2019/2020 (July 1, 2019 - June 30, 2020).

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2021
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2021/2022 (July 1, 2021 - June 30, 2022).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/06/2013
Comments: The Workplan outlines sampling to be performed to evaluate the post-remediation soil gas conditions at the Site. The soil gas sampling data will be incorporated into the post-remediation risk assessment that will be included in the Remedial Action Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/07/2012
Comments: Technicial Memo to summarize the results of the pre-design activiteis to obtain additional data to facility the design, planning, and permitting of the final Site remedy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2017
Comments: The Workplan outlines the monitoring well installation, development, and sampling procedures and monitoring well locations for the long-term post-remediation groundwater monitoring program.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/24/2018
Comments: The work notice was distributed to inform the community of the removal of soil gas probes and installation of groundwater monitoring wells for post-remediation operation and maintenance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 10/30/2018





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Comments: The report document post-remediation groundwater monitoring well installation and soil gas probe destruction that was performed in accordance with the Workplan for Post-Remediation Monitoring Well Installation and Groundwater Sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2018
Comments: The report summarizes the results of groundwater monitoring performed on March 19 and 20 and May 15, 2018 and was the first semi-annual monitoring event to be conducted since the completion of the remedial action. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with, the results of past groundwater sampling conducted in 2008, 2011, and 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2019
Comments: The Report summarizes the results of the groundwater monitoring event that was conducted on November 5 and 6, 2018. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with the results of past groundwater sampling, with the exception of low concentrations of lead detected for the first time in wells MW-2A and MW-4R.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/20/2019
Comments: The Soil Management Plan describes the procedures to be followed during disturbance of soil beneath portions of street and sidewalk in the City of Santa Cruz public right-of-way located along River Street and North Pacific Avenue adjacent to the former Santa Cruz Manufactured Gas Plant site. Soil in this area may contain manufactured gas plant residues. The Soil Management Plan includes health and safety procedures for workers who may be exposed to impacted soil, and procedures for excavation, characterization, and disposal or reuse of soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2019
Comments: The Report summarizes the results of the groundwater monitoring event that was conducted on April 8, 2019. Groundwater levels were measured and samples were collected from seven on-site and two off-site monitoring wells. The groundwater monitoring results were generally lower than, or consistent with the results of past groundwater sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/14/2007
Comments: Cleanup Agreement fully executed on 5/14/07. DTSC, PG&E and Chevron each have an original signed copies of the Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/18/2006
Comments: Sent information request letter on 11/14/06 to additional property owner. Requested response by 12/29/06 (45 days).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/19/2019
Comments: Letter to PG&E and Chevron providing notification that the new DTSC project manager will be Sagar Bhatt.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2020
Comments: Annual DTSC oversight cost estimate letter for fiscal year 2020/2021 (July 1, 2020 - June 30, 2021).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/31/2020
Comments: Pre-HARP filled out to outline Covid-19 related precautions for on-site meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2016
Comments: DTSC letter with oversight cost estimate for project activities scheduled for fiscal year 2016/2017.





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/22/2011
Comments: Demand Letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/08/2011
Comments: DTSC sent out the 2011 Annual Cost Estimation letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/21/2012
Comments: DTSC determined that implementing the Remedial Action Plan would not have any significant impacts to the environment and signed and filed the final CEQA Negative Declaration. DTSC subsequently filed a Notice of Determination with the State Clearinghouse. Impacts that were evaluated included transportation, air, water, soil, and green house gases.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2013
Comments: PG&E has completed the fieldwork activites as prescribed in the approved Remedial Action Plan. A completion report is currently being prepared to document the field activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/11/2016
Comments: The Completion Report documents the remediation activities that were performed in accordance with the approved Remedial Action Plan. It also documents post-remediation site conditions (hazardous substances left in place) and includes the Post-remediation Human Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/06/2010

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Comments: DTSC sent out an approval letter on April 6, 2010. This RI was conducted at the Santa Cruz former MGP, a 1.3-acre site that now includes four office buildings (with second and third floor residential units above commercial space in one building) and parking areas. The RI scope of work was completed in 2008 to characterize subsurface conditions such that appropriate environmental remediation planning and implementation may be undertaken by PG&E and Chevron. The overall objective was to adequately characterize the nature and extent of impacts so potential health risks and remedial alternatives can be evaluated. Based on the results of soil sampling activities, MGP residues are present in isolated areas generally above the groundwater table, primarily in (1) fill soil (up to 11 feet bgs) in the northeastern portion of the Site along the street-side Site boundary, both north and east of the Kelly Building and (2) shallow fill soil (up to 3.5 feet bgs) on the west and southwest side of the Kelly Building. On the north and east side of the Kelly Building, visible MGP residues including lampblack and tars appear to have been mixed with soil during past grading or redevelopment activities. PAHs, TPH-e, benzene and cyanide are the primary chemicals associated with these impacted soils. In addition, hydrocarbons that appear to represent residual MGP fuel oil are present between approximately 5 and 22 feet bgs in subsurface soil (1) within a narrow isolated area along the street-side Site boundary in the northern-most portion of the Site and (2) in the northern small parking lot of the 2035 North Pacific Avenue property. NAPL was observed in soil samples from both of these areas. TPH-e is the primary chemical associated with these impacted soils. Relatively low concentrations of PAHs and TPH-e were also detected in shallow soils (up to 3 feet bgs) in other limited areas of the Site. With the exception of areas along the adjacent streets and at few locations where access limitations prevented deep soil sampling, the vertical and lateral extent of these constituents has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations. Elevated levels of arsenic are present in shallow fill soil (up to approximately 5 feet bgs) throughout the northern half of the Site. The source of the elevated arsenic in this area is unknown, though may be associated with the use of arsenic-bearing herbicides used to control weeds during or subsequent to the operation of the former MGP. Cadmium was also detected at elevated levels in shallow soil, but appears to be representative of local background conditions. Elevated levels of lead and cyanide were found in buried debris and underlying soil in a limited area in the northern portion of the Site (beneath lumberman s parking lot). The source of the lead and cyanide is unknown. The vertical and lateral extent of arsenic, lead and cyanide has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations with the exception of arsenic, which was not delineated in the adjacent street due to access limitations. Based on the results of soil gas sampling activities, VOCs are present in soil gas at the Site at generally low concentrations. The highest concentrations (benzene and naphthalene) were detected in soil gas samples collected from soils containing MGP lampblack residues, including elevated levels of PAHs and TPH-e, located north and east of the Kelly Building. In this area, MGP residues appear to have been mixed with soils during past grading or redevelopment activities.

Completed Area Name: PROJECT WIDE





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 05/10/2011
Comments: DTSC has approved PG&E Groundwater Monitoring Plan to perform quarterly groundwater sampling and monitoring to ensure that the former MGP operations has not impacted groundwater downgradient from the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/21/2012
Comments: DTSC approved the Final Remedial Action Plan. The selected remedial alternative is focused soil removal with capping and land-use covenants to restrict the properties that comprise the site from sensitive uses where contamination remains in place. The remediation is scheduled to begin in the summer of 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/21/2011
Comments: DTSC has approved the Public Participation Plan for the former Santa Cruz Manufactured Gas Plant Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/31/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/22/2012
Comments: The work notice provides notification to the community that implementation of Remedial Action Plan will begin on September 4, 2012.

**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/29/2013
Comments: The Workplan proposes six soil gas sampling locations around the perimeter of the building at the 2035 North Pacific Avenue property. The additional soil gas sampling is proposed because an unanticipated timber structure was encountered during remediation and may extend beneath the building. The structure is possibly a feature from the former manufactured gas plant that operated at the Site. The additional soil gas sampling outlined in the Workplan will augment previous data from previous soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/30/2011
Comments: Demand Letter #2

Future Area Name: 223 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: 235 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2024
Future Area Name: 201 - 221 River Street
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: 2035 North Pacific Avenue
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022





**PG&E, SANTA CRUZ MGP (Continued)** **S109348530**

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2025
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

**Z115** **MANUFACTURED GAS PLANT (FORMER)** **CPS-SLIC** **S106982318**
**North** **N PACIFIC AND RIVER** **N/A**
**1/4-1/2** **SANTA CRUZ, CA**
**0.436 mi.**
**2301 ft.** **Site 5 of 6 in cluster Z**

**Relative:**
**Higher**
**Actual:**
**19 ft.**

SLIC REG 3:
Name: MANUFACTURED GAS PLANT (FORMER)
Address: N PACIFIC AND RIVER
City: SANTA CRUZ
Region: 3
Leak Site Cross Street: Not reported
Regional Board Case#: SLT3S200
Entered Into Database: Not reported
Discovered: GOV
RB Case In: BLANK RP768
Responsible Party: BLANK RP
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: Not reported
RP City,St,Zip: BCP UNKNOWN
Date First Reported: Not reported
Lead Agency: Not reported
Program Type: SLIC
Facility Status: Remedial Action Plan Underway/Ongoing
Case Type: Other ground water affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: No
Case Type Other Grnd Wtr: Yes
PCA: Not reported

---

**Z116** **FORMER MANUFACTURED GAS PLANT - SANTA CRUZ** **CPS-SLIC** **S109117962**
**North** **N PACIFIC AND RIVER** **CERS** **N/A**
**1/4-1/2** **SANTA CRUZ, CA**
**0.436 mi.**
**2301 ft.** **Site 6 of 6 in cluster Z**

**Relative:**
**Higher**
**Actual:**
**19 ft.**

CPS-SLIC:
Name: FORMER MANUFACTURED GAS PLANT - SANTA CRUZ
Address: N PACIFIC AND RIVER
City,State,Zip: SANTA CRUZ, CA
Region: STATE

**FORMER MANUFACTURED GAS PLANT - SANTA CRUZ (Continued)** **S109117962**

| | |
|---|---|
| **Facility Status:** | **Open - Remediation** |
| Status Date: | 11/28/2006 |
| Global Id: | SLT3S2001337 |
| Lead Agency: | DEPARTMENT OF TOXIC SUBSTANCES CONTROL |
| Lead Agency Case Number: | RO0000253 |
| Latitude: | 36.9785752319323 |
| Longitude: | -122.027249336243 |
| Case Type: | Cleanup Program Site |
| Case Worker: | Not reported |
| Local Agency: | SANTA CRUZ COUNTY |
| RB Case Number: | 2030094 |
| File Location: | DTSC |
| Potential Media Affected: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Not reported |
| Site History: | Not reported |

Click here to access the California GeoTracker records for this facility:

CERS:

| | |
|---|---|
| Name: | FORMER MANUFACTURED GAS PLANT - SANTA CRUZ |
| Address: | N PACIFIC AND RIVER |
| City,State,Zip: | SANTA CRUZ, CA |
| Site ID: | 233932 |
| CERS ID: | SLT3S2001337 |
| CERS Description: | Cleanup Program Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | SCOTT CARSON - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | GREG BISHOP - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 Aerovista Place, Suite 101 |
| Affiliation City: | San Luis Obispo |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |





**Y117** **CHEVRON STATION 9-0499** **LUST** **S101309579**
**ENE** **404 SOQUEL AVE** **CERS HAZ WASTE** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95062** **SWEEPS UST**
**0.440 mi.** **CERS TANKS**
**2324 ft.** **Site 4 of 4 in cluster Y** **CHMIRS**
**Cortese**
**Relative:** **CUPA Listings**
**Higher** **HIST CORTESE**
**Actual:** **CERS**
**35 ft.** **HWTS**

LUST:

| | |
|---|---|
| Name: | CHEVRON STATION 9-0499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95062 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700233 |
| Global Id: | T0608700233 |
| Latitude: | 36.9744983 |
| Longitude: | -122.0186316 |
| Status: | Completed - Case Closed |
| Status Date: | 06/26/2006 |
| Case Worker: | TAS |
| RB Case Number: | 603 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | State Records Center |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700233 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700233 |
| Action Type: | RESPONSE |
| Date: | 10/20/2002 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0608700233 |
| Action Type: | RESPONSE |
| Date: | 10/20/2003 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0608700233 |
| Action Type: | RESPONSE |
| Date: | 05/01/2006 |
| Action: | Public Participation Plan |
| Global Id: | T0608700233 |

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Action Type: RESPONSE
Date: 06/15/2006
Action: Unknown

Global Id: T0608700233
Action Type: RESPONSE
Date: 12/21/2005
Action: Request for Closure

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 12/21/2005
Action: * No Action

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 05/10/2006
Action: 13267 Requirement

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 06/26/2006
Action: Closure/No Further Action Letter

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 04/18/2006
Action: Notification - Preclosure

Global Id: T0608700233
Action Type: Other
Date: 06/15/1990
Action: Leak Stopped

Global Id: T0608700233
Action Type: RESPONSE
Date: 10/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700233
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700233
Action Type: RESPONSE
Date: 02/12/2005
Action: Well Installation Report

Global Id: T0608700233
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 01/16/2005





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Action: Staff Letter

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 12/03/2004
Action: Staff Letter

Global Id: T0608700233
Action Type: Other
Date: 06/15/1990
Action: Leak Discovery

Global Id: T0608700233
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700233
Action Type: RESPONSE
Date: 07/12/2004
Action: Remedial Progress Report

Global Id: T0608700233
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700233
Action Type: ENFORCEMENT
Date: 02/20/1991
Action: Staff Letter

Global Id: T0608700233
Action Type: Other
Date: 06/15/1990
Action: Leak Reported

Global Id: T0608700233
Action Type: RESPONSE
Date: 12/03/2003
Action: Other Workplan

Global Id: T0608700233
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700233
Status: Open - Case Begin Date
Status Date: 06/15/1990

Global Id: T0608700233
Status: Open - Site Assessment
Status Date: 11/09/1990

Global Id: T0608700233

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Status: Open - Remediation
Status Date: 03/06/1991

Global Id: T0608700233
Status: Open - Remediation
Status Date: 04/01/1991

Global Id: T0608700233
Status: Open - Verification Monitoring
Status Date: 03/31/1997

Global Id: T0608700233
Status: Open - Remediation
Status Date: 07/12/2004

Global Id: T0608700233
Status: Completed - Case Closed
Status Date: 06/26/2006

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700233
Status: Post remedial action monitoring
Case Number: 603
Local Case Num: Not reported
Case Type: O
Substance: Unleaded Gasoline
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Leak Source: Tank
Leak Cause: Spill
How Stopped: Not reported
How Discovered: Tank Test
Release Date: 06/15/1990
Discovered Date: 6/15/90
Enter Date: 07/20/1990
Stop Date: 6/15/90
Review Date: 05/07/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: TAMMY HODGE
RP Address: PO BOX 5004
Contact: Not reported
Cross Street: OCEAN
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 11/09/1990
Remedial Plan: 3/6/91





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Remedial Action: 4/1/91
Monitoring: 03/31/1997
Pilot Program: UST
Interim Action: 0
Funding: R
MTBE Class: C
Max MTBE Grnd Wtr: 760
Max MTBE Soil: Not reported
Max MTBE Data: 08/02/2002
MTBE Tested: YES
Lat/Long: 36.9744983 / -122.0186316
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 9
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: CONTAMINATED SOIL REMOVED. GROUNDWATER MONITORING NOT APPROPRIATE FOR CLOSURE DUE TO ELEVEATED MTBE IN MW-3. CONTINUE MONITORING. MW-1,2,4 AND 6 ABANDONED IN 4/91. MW-6 REPLACED BY E-2.

CERS HAZ WASTE:
Name: CHEVRON STATION #90499
Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 104932
CERS ID: 10192561
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: CHEVRON STATION NO #0499
Address: 404 SOQUEL AVE
City: SANTA CRUZ
Status: Active
Comp Number: 61833
Number: 1
Board Of Equalization: 44-027167
Referral Date: 09-16-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 1
SWRCB Tank Id: 44-000-061833-000001
Tank Status: A
Capacity: 12000
Active Date: 09-16-93
Tank Use: M.V. FUEL
STG: P

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Content: PRM UNLEADED
Number Of Tanks: 5

Name: CHEVRON STATION NO #0499
Address: 404 SOQUEL AVE
City: SANTA CRUZ
Status: Active
Comp Number: 61833
Number: 1
Board Of Equalization: 44-027167
Referral Date: 09-16-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 2
SWRCB Tank Id: 44-000-061833-000002
Tank Status: A
Capacity: 12000
Active Date: 09-16-93
Tank Use: M.V. FUEL
STG: P
Content: PREMIUM UNLEADED
Number Of Tanks: Not reported

Name: CHEVRON STATION NO #0499
Address: 404 SOQUEL AVE
City: SANTA CRUZ
Status: Active
Comp Number: 61833
Number: 1
Board Of Equalization: 44-027167
Referral Date: 09-16-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 3
SWRCB Tank Id: 44-000-061833-000003
Tank Status: A
Capacity: 12000
Active Date: 09-16-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CHEVRON STATION NO #0499
Address: 404 SOQUEL AVE
City: SANTA CRUZ
Status: Active
Comp Number: 61833
Number: 1
Board Of Equalization: 44-027167
Referral Date: 09-16-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 5
SWRCB Tank Id: 44-000-061833-000004
Tank Status: A
Capacity: 12000





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Active Date: 09-16-93
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: CHEVRON STATION NO #0499
Address: 404 SOQUEL AVE
City: SANTA CRUZ
Status: Active
Comp Number: 61833
Number: 1
Board Of Equalization: 44-027167
Referral Date: 09-16-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 4
SWRCB Tank Id: 44-000-061833-000005
Tank Status: A
Capacity: 1000
Active Date: 09-16-93
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CERS TANKS:
Name: CHEVRON STATION #90499
Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 104932
CERS ID: 10192561
CERS Description: Underground Storage Tank

CHMIRS:
Name: Not reported
Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA
OES Incident Number: 16-4523
OES notification: 07/26/2016
OES Date: Not reported
OES Time: Not reported
**Date Completed: Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

| | |
|---|---|
| Others Number Of Injuries: | Not reported |
| Others Number Of Fatalities: | Not reported |
| Vehicle Make/year: | Not reported |
| Vehicle License Number: | Not reported |
| Vehicle State: | Not reported |
| Vehicle Id Number: | Not reported |
| CA DOT PUC/ICC Number: | Not reported |
| Company Name: | Not reported |
| Reporting Officer Name/ID: | Not reported |
| Report Date: | Not reported |
| Facility Telephone: | Not reported |
| Waterway Involved: | No |
| Waterway: | n/a |
| Spill Site: | Service Station |
| Cleanup By: | Reporting Party |
| Containment: | Not reported |
| What Happened: | Not reported |
| Type: | Not reported |
| Measure: | Not reported |
| Other: | Not reported |
| Type: | PETROLEUM |
| Measure: | Qt.(s) |
| Other: | Not reported |
| Date/Time: | 530 |
| Year: | 2016 |
| Agency: | Chevron |
| Incident Date: | 07/26/2016 |
| Admin Agency: | Santa Cruz County Environmental Health |
| Amount: | Not reported |
| Contained: | Yes |
| Site Type: | n/a |
| E Date: | Not reported |
| Substance: | Oil |
| Quantity Released: | 1 |
| Unknown: | Not reported |
| Substance #2: | Not reported |
| Substance #3: | Not reported |
| Evacuations: | Not reported |
| Number of Injuries: | Not reported |
| Number of Fatalities: | Not reported |
| #1 Pipeline: | No |
| #2 Pipeline: | No |
| #3 Pipeline: | No |
| #1 Vessel >= 300 Tons: | No |
| #2 Vessel >= 300 Tons: | No |
| #3 Vessel >= 300 Tons: | No |
| Evacs: | No |
| Injuries: | No |
| Fatals: | No |
| Comments: | Not reported |
| Description: | RP states: Chevron personnel discovered a customer missed filling their engine oil resulting in the release of 1 qt of oil to the concrete. Roped off parking stall with caution tape and cleaned up with absorbents. Release is contained and no longer relea |





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

CORTESE:

| | |
|---|---|
| Name: | CHEVRON STATION 9-0499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95062 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700233 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

CUPA SANTA CRUZ:

| | |
|---|---|
| Name: | CHEVRON STATION #90499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0002758 |
| Cross Street: | OCEAN ST |
| Description: | HMMP STANDARD FORM FILING FEE |
| | |
| Name: | CHEVRON STATION #90499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0002758 |
| Cross Street: | OCEAN ST |
| Description: | HAZARDOUS WASTE GENERATOR (HMMP STD FORM) |
| | |
| Name: | CHEVRON STATION #90499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0002758 |
| Cross Street: | OCEAN ST |
| Description: | UNDERGROUND STORAGE TANK PROGRAM |
| | |
| Name: | CHEVRON STATION #90499 |
| Address: | 404 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Id: | FA0002758 |
| Cross Street: | OCEAN ST |
| Description: | STATE UST SURCHARGE |
| | |
| Name: | CHEVRON STATION #90499 |

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002758
Cross Street: OCEAN ST
Description: HMMP STANDARD FORM QR 2

HIST CORTESE:
edr_fname: CHEVRON STATION 9-0499
edr_fadd1: 404 SOQUEL
City,State,Zip: SANTA CRUZ, CA
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 603

CERS:
Name: CHEVRON STATION #90499
Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 104932
CERS ID: 10192561
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 04-23-2019
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 08/20/2019. OBSERVATION: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify CUPA of testing and submit results. 91 STP and fill sump, and 87 STP sump failed. 87 and 91 spill buckets failed. Repair or replace.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 05-15-2014
Citation: 23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 05/15/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 04-14-2021
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23,





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Training certificate was not available for review. Make training certificate and trained employee logs available for review.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 04-23-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 08/20/2019. Overfill prevention system ihas not been tested. Repair or replace this system , and have it tested.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 11-28-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 09/20/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Failed to test the overfill equipment prior to November 13, 2018 CORRECTIVE ACTION: Maintain overfill prevention system to comply with the deficiencies noted above. Submit verfiication. Please reschdule the overfill equipment testing to ascertain compliance with this section.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Violation Date: 05-07-2015
Citation: 22 CCR 15 66265.14 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.14
Violation Description: Failure to provide either a posted sign stating "Danger Hazardous Waste Area - Keep Out" or to provide one of the following means of security to the active hazardous waste portion of the facility: (1) A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) which continuously monitors and controls entry; or (2)(A) An artificial or natural barrier (e.g., a fence in good repair or a fence combined with a cliff), which completely surrounds area; and (B) A means to control entry, at all times, through the gates or other entrances (e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility).
Violation Notes: Returned to compliance on 03/11/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2020
Violations Found: No
Eval Type: Routine done by local agency





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Eval Notes: The inspection was authorized by the Station Operator. The Owner's or Operator's signatures were not obtained on the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Monitoring Certification by Tanknology. Secondary testing by Wayne Perry. Replace or repair the failed 87 and 91 spill buckets. Repair the failed 91 fill and STP sump. Repair the failed 87 STP sump. Both under permit from this office. Repair or replace the overfill prevention system, and test.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Onsite for the Monitoring Certification and spill bucket tests conducted by Tanknology. All passed. Regulatory documentation is excellent.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submittal 9-20-2018.OK. Schedule overfill equipment testing to comply with the applicable testing and operation requirements.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is a follow-up of the inspection report dated 5/7/15. A warning sign has been posted on the hazardous waste shed. Close violation.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Monitoring Certification, spill Bucket and ELLD testing by Tanknology. All Equipment tested passed.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Monitoring certification, line leak detector and spill bucket testing and overfill prevention equipment testing by Tanknology. All equipment tested passed. The 87 octane tank overfill prevention equipment could not be inspected as the flapper valve could not be extracted. the 91 octane tank overfill prevention equipment passed inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERs submitted 9/28/16. Annual submittal due by 9/28/2017. Tanknology doing Monitoring Certification this date. Only issue discovered was a bad gasket on the 91 spill box cap. Cap replaced and tested, OK. No Violations noted at this time.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tanknology doing monitoring certification this date. 91 spill bucket

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

cap replaced . Bad gasket was found. No other issues.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by Station Operator. The Owner's or Operator's signatures were not obtained on the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Service station systems doing monitoring certification and overfill testing this date. All functions normal, and no violations were observed. New overfill buckets to be installed and tested on 09/25/2019.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2020





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by Mo Malik, Manager.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by ted Lamph, Retail OS/HES Specialist. The owner's or operator's signatures were not obtained on the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: New spill bucket testing by Gettler Ryan. Both spill buckets replaced and tested. All passed fill test. Ok. Modification Permit number 18-001 is finaled this date. All violations from my inspection of 4/23/2019 have been corrected.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-28-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 104932
Site Name: CHEVRON STATION #90499
Site Address: 404 SOQUEL AVE
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Site Address: 404 SOQUEL AVE
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 11-28-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 104932
Site Name: CHEVRON STATION #90499
Site Address: 404 SOQUEL AVE
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Ted Lamph
Entity Title: Retail OE/HES Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: CHEVRON PRODUCTS COMPANY( A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: PO BOX 6004: ATTN PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583-0804
Affiliation Phone: (925) 842-9002,

Affiliation Type Desc: UST Permit Applicant
Entity Name: CHARLES BITTLE
Entity Title: CHEVRON RETAIL HES
Affiliation Address: Not reported
Affiliation City: Not reported





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 842-9002,

Affiliation Type Desc: UST Tank Owner
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002,

Affiliation Type Desc: Document Preparer
Entity Name: TED LAMPH
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CHEVRON PRODUCTS COMPANY( A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: PO BOX 6004:ATTN PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583-0804
Affiliation Phone: (925) 842-9002,

Affiliation Type Desc: UST Property Owner Name
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health

**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94583
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CHEVRON PRODUCTS COMPANY( A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 426-6094,

Affiliation Type Desc: Environmental Contact
Entity Name: CHEVRON PRODUCTS COMPANY( A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: PO BOX 6004:ATTN PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94583
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Operator
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported
Affiliation Address: P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002,

Name: CHEVRON STATION 9-0499
Address: 404 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95062
Site ID: 233429
CERS ID: T0608700233
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker





**CHEVRON STATION 9-0499 (Continued)** **S101309579**

Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: CHEVRON STATION #90499
Address: 404 SOQUEL AVE
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950620000
EPA ID: CAL000055559
Inactive Date: 06/30/1993
Create Date: 12/29/1993
Last Act Date: 06/28/2001
Mailing Name: Not reported
Mailing Address: CHEVRON USA PO BOX 5004
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN RAMON, CA 945830000
Owner Name: CHEVRON USA INC
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: INACTIVE DUP NUM IN BLK LOGBK
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

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**AA118** **PACIFIC STREET, SANTA CRUZ** **LUST** **S101304427**
**South** **303 PACIFIC ST** **SWEEPS UST** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **Cortese**
**0.441 mi.** **ENF**
**2326 ft.** **Site 1 of 2 in cluster AA** **HIST CORTESE**
**CERS**

**Relative:**
**Higher**
**Actual:**
**14 ft.**

LUST:
Name: CHEVRON STATION #9-0801
Address: 303 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700258
Global Id: T0608700258

**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Latitude: 36.9649576
Longitude: -122.0261888
Status: Completed - Case Closed
Status Date: 01/04/2007
Case Worker: Not reported
RB Case Number: 628
Local Agency: SANTA CRUZ COUNTY
File Location: State Records Center
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700258
Action Type: ENFORCEMENT
Date: 12/14/2006
Action: * No Action

Global Id: T0608700258
Action Type: ENFORCEMENT
Date: 01/04/2007
Action: Closure/No Further Action Letter

Global Id: T0608700258
Action Type: RESPONSE
Date: 12/14/2006
Action: Unknown

Global Id: T0608700258
Action Type: ENFORCEMENT
Date: 07/28/2000
Action: Notification - Preclosure

Global Id: T0608700258
Action Type: Other
Date: 10/22/1986
Action: Leak Discovery

Global Id: T0608700258
Action Type: ENFORCEMENT
Date: 11/18/1988
Action: Clean-up and Abatement Order

Global Id: T0608700258
Action Type: Other
Date: 03/20/1987
Action: Leak Reported

LUST:
Global Id: T0608700258
Status: Open - Case Begin Date
Status Date: 10/22/1986

Global Id: T0608700258
Status: Open - Site Assessment
Status Date: 03/20/1987





**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Global Id: T0608700258
Status: Open - Site Assessment
Status Date: 05/14/1987

Global Id: T0608700258
Status: Open - Site Assessment
Status Date: 05/27/1987

Global Id: T0608700258
Status: Open - Site Assessment
Status Date: 06/16/1987

Global Id: T0608700258
Status: Open - Remediation
Status Date: 10/29/1987

Global Id: T0608700258
Status: Open - Remediation
Status Date: 11/18/1988

Global Id: T0608700258
Status: Open - Verification Monitoring
Status Date: 06/01/1996

Global Id: T0608700258
Status: Completed - Case Closed
Status Date: 01/04/2007

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700258
Status: Case Closed
Case Number: 628
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Leak Source: Tank
Leak Cause: Overfill
How Stopped: Not reported
How Discovered: Subsurface Monitoring
Release Date: 03/20/1987
Discovered Date: 10/22/86
Enter Date: 06/30/1987
Stop Date: Not reported
Review Date: 11/19/1999
Enforce Date: 11/18/88
Close Date: 7/14/00
Enforcement Type: EF
Responsible Party: MARK LAFFERTY
RP Address: PO BOX 5004
Contact: Not reported

**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Cross Street: WASHINGTON
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: BWH
Confirm Leak: 3/20/87
Workplan: 5/14/87
Prelim Assess: 5/27/87
Pollution Char: 06/16/1987
Remedial Plan: 10/29/87
Remedial Action: 11/18/88
Monitoring: 06/01/1996
Pilot Program: UST
Interim Action: 0
Funding: R
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: YES
Lat/Long: 36.9649576 / -122.0261888
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 4
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: MUN
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: Not reported

SWEEPS UST:
Name: Not reported
Address: 303 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 61904
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-061904-000001
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 4





**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Name: Not reported
Address: 303 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 61904
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-061904-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 303 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 61904
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-061904-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 303 PACIFIC AVE
City: SANTA CRUZ
Status: Not reported
Comp Number: 61904
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-061904-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE

**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Content: Not reported
Number Of Tanks: Not reported

CORTESE:

| | |
|---|---|
| Name: | PACIFIC STREET, SANTA CRUZ |
| Address: | 303 PACIFIC ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | Not reported |
| Site/Facility Type: | Not reported |
| Cleanup Status: | Not reported |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | CORTESE |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | 3 |
| WID Id: | 3 440000N04 |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Cease Desist Orders & Cleanup Abatement Orders |

| | |
|---|---|
| Name: | CHEVRON STATION #9-0801 |
| Address: | 303 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700258 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

ENF:

| | |
|---|---|
| Name: | PACIFIC STREET, SANTA CRUZ |





**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

| | |
|---|---|
| Address: | 303 PACIFIC ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | 3 |
| Facility Id: | 247292 |
| Agency Name: | Chevron USA Inc Santa Cruz |
| Place Type: | Facility |
| Place Subtype: | Not reported |
| Facility Type: | Industrial |
| Agency Type: | Privately-Owned Business |
| # Of Agencies: | 1 |
| Place Latitude: | 36.965 |
| Place Longitude: | -122.026105 |
| SIC Code 1: | Not reported |
| SIC Desc 1: | Not reported |
| SIC Code 2: | Not reported |
| SIC Desc 2: | Not reported |
| SIC Code 3: | Not reported |
| SIC Desc 3: | Not reported |
| NAICS Code 1: | Not reported |
| NAICS Desc 1: | Not reported |
| NAICS Code 2: | Not reported |
| NAICS Desc 2: | Not reported |
| NAICS Code 3: | Not reported |
| NAICS Desc 3: | Not reported |
| # Of Places: | 1 |
| Source Of Facility: | Reg Meas |
| Design Flow: | Not reported |
| Threat To Water Quality: | Not reported |
| Complexity: | Not reported |
| Pretreatment: | Not reported |
| Facility Waste Type: | Not reported |
| Facility Waste Type 2: | Not reported |
| Facility Waste Type 3: | Not reported |
| Facility Waste Type 4: | Not reported |
| Program: | Not reported |
| Program Category1: | Not reported |
| Program Category2: | UNREGS |
| # Of Programs: | Not reported |
| WDID: | 3 440000N04 |
| Reg Measure Id: | 163055 |
| Reg Measure Type: | Unregulated |
| Region: | 3 |
| Order #: | Not reported |
| Npdes# CA#: | Not reported |
| Major-Minor: | Not reported |
| Npdes Type: | Not reported |
| Reclamation: | Not reported |
| Dredge Fill Fee: | Not reported |
| 301H: | Not reported |
| Application Fee Amt Received: | Not reported |
| Status: | Historical |
| Status Date: | 06/17/2005 |
| Effective Date: | Not reported |
| Expiration/Review Date: | Not reported |
| Termination Date: | Not reported |
| WDR Review - Amend: | Not reported |
| WDR Review - Revise/Renew: | Not reported |

**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

| | |
|---|---|
| WDR Review - Rescind: | Not reported |
| WDR Review - No Action Required: | Not reported |
| WDR Review - Pending: | Not reported |
| WDR Review - Planned: | Not reported |
| Status Enrollee: | N |
| Individual/General: | Not reported |
| Fee Code: | Not reported |
| Direction/Voice: | Passive |
| Enforcement Id(EID): | 221699 |
| Region: | 3 |
| Order / Resolution Number: | 88-162 |
| Enforcement Action Type: | Clean-up and Abatement Order |
| Effective Date: | 10/04/1988 |
| Adoption/Issuance Date: | Not reported |
| Achieve Date: | Not reported |
| Termination Date: | Not reported |
| ACL Issuance Date: | Not reported |
| EPL Issuance Date: | Not reported |
| Status: | Active |
| Title: | Enforcement - 3 440000N04 |
| Description: | NONE |
| Program: | ENFCAO |
| Latest Milestone Completion Date: | Not reported |
| # Of Programs1: | 1 |
| Total Assessment Amount: | 0 |
| Initial Assessed Amount: | 0 |
| Liability $ Amount: | 0 |
| Project $ Amount: | 0 |
| Liability $ Paid: | 0 |
| Project $ Completed: | 0 |
| Total $ Paid/Completed Amount: | 0 |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | PACIFIC STREET, SANTA CRU |
| edr_fadd1: | 303 PACIFIC |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | WBC&D |
| Reg Id: | 3 440000N04 |

| | |
|---|---|
| edr_fname: | CHEVORN STATION #9-0801 |
| edr_fadd1: | 303 PACIFIC |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Facility County Code: | 44 |
| Reg By: | LTNKA |
| Reg Id: | 628 |

CERS:

| | |
|---|---|
| Name: | CHEVRON STATION #9-0801 |
| Address: | 303 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 232462 |
| CERS ID: | T0608700258 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |





**PACIFIC STREET, SANTA CRUZ (Continued)** **S101304427**

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | STEVE BAIOCCHI - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8314542754, |

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**119** **ARCO STATION #2132 (FORMER)** **LUST** **S101304439**
**ENE** **411 SOQUEL AVE** **Cortese** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95062** **HIST CORTESE**
**0.442 mi.** **CERS**
**2333 ft.**

**Relative:**
**Higher**

**Actual:**
**33 ft.**

LUST:

| | |
|---|---|
| Name: | ARCO STATION #2132 (FORMER) |
| Address: | 411 SOQUEL AVE |
| City,State,Zip: | SANTA CRUZ, CA 95062 |
| Lead Agency: | CENTRAL COAST RWQCB (REGION 3) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700257 |
| Global Id: | T0608700257 |
| Latitude: | 36.9747003 |
| Longitude: | -122.0187546 |
| Status: | Completed - Case Closed |
| Status Date: | 02/03/2005 |
| Case Worker: | TAS |
| RB Case Number: | 627 |
| Local Agency: | SANTA CRUZ COUNTY |
| File Location: | State Records Center |
| Local Case Number: | Not reported |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700257 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | TOM SAYLES |
| Organization Name: | CENTRAL COAST RWQCB (REGION 3) |
| Address: | 895 AEROVISTA PL, SUITE 101 |
| City: | SAN LUIS OBISPO |
| Email: | tom.sayles@waterboards.ca.gov |
| Phone Number: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700257 |
| Action Type: | ENFORCEMENT |
| Date: | 07/20/1987 |
| Action: | Unauthorized Release Form |

| | |
|---|---|
| Global Id: | T0608700257 |
| Action Type: | Other |

**ARCO STATION #2132 (FORMER) (Continued)** **S101304439**

Date: 11/01/1984
Action: Leak Stopped

Global Id: T0608700257
Action Type: ENFORCEMENT
Date: 09/21/2004
Action: File review

Global Id: T0608700257
Action Type: ENFORCEMENT
Date: 02/03/2005
Action: Closure/No Further Action Letter

Global Id: T0608700257
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700257
Action Type: RESPONSE
Date: 01/31/2005
Action: Well Destruction Report

Global Id: T0608700257
Action Type: ENFORCEMENT
Date: 12/06/2004
Action: Notification - Preclosure

Global Id: T0608700257
Action Type: Other
Date: 12/01/1986
Action: Leak Discovery

Global Id: T0608700257
Action Type: RESPONSE
Date: 10/22/2004
Action: Request for Closure

Global Id: T0608700257
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700257
Action Type: ENFORCEMENT
Date: 12/23/1997
Action: Staff Letter

Global Id: T0608700257
Action Type: ENFORCEMENT
Date: 02/22/2005
Action: Closure/No Further Action Letter

Global Id: T0608700257
Action Type: Other
Date: 07/20/1987
Action: Leak Reported





**ARCO STATION #2132 (FORMER) (Continued)** **S101304439**

Global Id: T0608700257
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700257
Status: Open - Case Begin Date
Status Date: 11/01/1984

Global Id: T0608700257
Status: Open - Site Assessment
Status Date: 11/04/1987

Global Id: T0608700257
Status: Open - Remediation
Status Date: 12/09/1987

Global Id: T0608700257
Status: Open - Verification Monitoring
Status Date: 01/01/1990

Global Id: T0608700257
Status: Completed - Case Closed
Status Date: 02/03/2005

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700257
Status: Post remedial action monitoring
Case Number: 627
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: OM
Release Date: 07/20/1987
Discovered Date: 12/1/86
Enter Date: 09/15/1987
Stop Date: 11/1/84
Review Date: 05/08/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: MS. JEAN ENGER, SECOR
RP Address: 2620 LUNADA LN
Contact: Not reported

**ARCO STATION #2132 (FORMER) (Continued)** **S101304439**

Cross Street: OCEAN
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 11/04/1987
Remedial Plan: 12/9/87
Remedial Action: Not reported
Monitoring: 01/01/1990
Pilot Program: UST
Interim Action: y
Funding: y
MTBE Class: D
Max MTBE Grnd Wtr: 2.5
Max MTBE Soil: Not reported
Max MTBE Data: 01/21/2001
MTBE Tested: YES
Lat/Long: 36.9747003 / -122.0187546
Soil Qualifier: Not reported
Grnd Wtr Qualifier: <
Mtbe Concentratn: 6
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: CLOSURE CANDIDATE SOON

CORTESE:
Name: ARCO STATION #2132 (FORMER)
Address: 411 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95062
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700257
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported





**ARCO STATION #2132 (FORMER) (Continued)** **S101304439**

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: ARCO STATION #2132 (FORME
edr_fadd1: 411 SOQUEL
City,State,Zip: SANTA CRUZ, CA 95062
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 627

CERS:
Name: ARCO STATION #2132 (FORMER)
Address: 411 SOQUEL AVE
City,State,Zip: SANTA CRUZ, CA 95062
Site ID: 242880
CERS ID: T0608700257
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

**AB120** **US PRO** **LUST** **S101309572**
**West** **823 MISSION ST** **CERS HAZ WASTE** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **SWEEPS UST**
**0.443 mi.** **CERS TANKS**
**2338 ft.** **Site 1 of 2 in cluster AB** **Cortese**
**CUPA Listings**
**Relative:** **HIST CORTESE**
**Higher** **CERS**
**Actual:**
**75 ft.**

LUST:
Name: FORMER CHEVRON STATION 9-3865
Address: 823 MISSION STREET

**US PRO (Continued)** **S101309572**

City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700030
Global Id: T0608700030
Latitude: 36.9725239760047
Longitude: -122.035027742386
Status: Completed - Case Closed
Status Date: 03/23/2016
Case Worker: TAS
RB Case Number: 2126
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000222
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Semi-Annual Monitoring and Reporting,

LUST:
Global Id: T0608700030
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 09/13/2007
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 08/05/2011
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 03/23/2016
Action: Closure/No Further Action Letter

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/11/2006
Action: Conceptual Site Model

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2012





**US PRO (Continued)** **S101309572**

Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: RESPONSE
Date: 02/15/2013
Action: Other Report / Document

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 10/21/2005
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 11/06/2006
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 11/06/2008
Action: Staff Letter

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 02/26/2009
Action: Waste Discharge Requirements

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 02/24/2009
Action: File review

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 03/04/2009
Action: Staff Letter

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 07/26/2013
Action: 13267 Requirement

Global Id: T0608700030
Action Type: RESPONSE
Date: 03/24/2006
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608700030
Action Type: RESPONSE
Date: 12/30/2005
Action: Soil and Water Investigation Workplan

Global Id: T0608700030
Action Type: RESPONSE
Date: 01/20/2010
Action: Site Assessment Report

**US PRO (Continued)** **S101309572**

Global Id: T0608700030
Action Type: RESPONSE
Date: 03/20/2010
Action: Pilot Study/ Treatability Report

Global Id: T0608700030
Action Type: RESPONSE
Date: 12/03/2010
Action: Pilot Study/ Treatability Report

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 03/24/2006
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 10/11/2006
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 09/05/2008
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 05/07/2008
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 12/05/2008
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 12/10/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 02/19/2013
Action: Staff Letter

Global Id: T0608700030
Action Type: RESPONSE
Date: 04/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE





**US PRO (Continued)** **S101309572**

Date: 11/15/2008
Action: Soil and Water Investigation Workplan

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE
Date: 01/20/2012
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: RESPONSE
Date: 01/31/2012
Action: Conceptual Site Model

Global Id: T0608700030
Action Type: RESPONSE
Date: 07/20/2012
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: RESPONSE
Date: 04/20/2012
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 04/21/2010
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 02/26/2009
Action: 13267 Requirement

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 05/21/2010
Action: Staff Letter

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 03/07/2013
Action: 13267 Requirement

Global Id: T0608700030
Action Type: RESPONSE
Date: 11/15/2008
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608700030
Action Type: RESPONSE
Date: 01/30/2009
Action: Corrective Action Plan / Remedial Action Plan - Addendum

**US PRO (Continued)** **S101309572**

Global Id: T0608700030
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE
Date: 07/07/2008
Action: Other Report / Document

Global Id: T0608700030
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0608700030
Action Type: RESPONSE
Date: 10/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 10/20/2009
Action: Staff Letter

Global Id: T0608700030
Action Type: ENFORCEMENT
Date: 04/24/2014
Action: File review

Global Id: T0608700030
Action Type: Other
Date: 05/06/1992
Action: Leak Reported

Global Id: T0608700030
Action Type: RESPONSE
Date: 03/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0608700030
Action Type: RESPONSE
Date: 04/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0608700030
Action Type: RESPONSE





**US PRO (Continued)** **S101309572**

Date: 01/30/2016
Action: Well Destruction Report

Global Id: T0608700030
Action Type: RESPONSE
Date: 07/20/2011
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0608700030
Action Type: REMEDIATION
Date: 02/17/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

LUST:
Global Id: T0608700030
Status: Open - Case Begin Date
Status Date: 05/06/1992

Global Id: T0608700030
Status: Open - Site Assessment
Status Date: 09/21/1992

Global Id: T0608700030
Status: Open - Verification Monitoring
Status Date: 09/01/2004

Global Id: T0608700030
Status: Open - Site Assessment
Status Date: 01/17/2006

Global Id: T0608700030
Status: Open - Verification Monitoring
Status Date: 07/09/2007

Global Id: T0608700030
Status: Open - Remediation
Status Date: 04/21/2010

Global Id: T0608700030
Status: Open - Verification Monitoring
Status Date: 08/05/2011

Global Id: T0608700030
Status: Open - Eligible for Closure
Status Date: 12/10/2012

Global Id: T0608700030
Status: Open - Verification Monitoring
Status Date: 11/06/2014

Global Id: T0608700030
Status: Open - Remediation
Status Date: 11/12/2014

Global Id: T0608700030
Status: Completed - Case Closed
Status Date: 03/23/2016

**US PRO (Continued)** **S101309572**

LUST REG 3:

| | |
|---|---|
| Region: | 3 |
| Regional Board: | Central Coast Region |
| Facility County: | Santa Cruz |
| Global ID: | T0608700030 |
| Status: | Post remedial action monitoring |
| Case Number: | 2126 |
| Local Case Num: | Not reported |
| Case Type: | O |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | U |
| Leak Source: | Tank |
| Leak Cause: | Structure Failure |
| How Stopped: | Not reported |
| How Discovered: | Tank Closure |
| Release Date: | 05/06/1992 |
| Discovered Date: | Not reported |
| Enter Date: | 01/01/1980 |
| Stop Date: | Not reported |
| Review Date: | 09/12/2002 |
| Enforce Date: | Not reported |
| Close Date: | Not reported |
| Enforcement Type: | LET |
| Responsible Party: | MARK LAFFERTY |
| RP Address: | PO BOX 5004 |
| Contact: | Not reported |
| Cross Street: | Not reported |
| Local Agency: | 44000 |
| Lead Agency: | Regional Board |
| Staff Initials: | TAS |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | 09/21/1992 |
| Remedial Plan: | Not reported |
| Remedial Action: | Not reported |
| Monitoring: | 03/31/1997 |
| Pilot Program: | UST |
| Interim Action: | Not reported |
| Funding: | Not reported |
| MTBE Class: | C |
| Max MTBE Grnd Wtr: | 770 |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | 07/20/2001 |
| MTBE Tested: | YES |
| Lat/Long: | 36.9728704 / -122.0350612 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | = |
| Mtbe Concentratn: | 12 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | 4.11 |
| Beneficial: | MUN |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |





**US PRO (Continued)** **S101309572**

| | |
|---|---|
| Operator: | Not reported |
| Water System: | POGONIP POLO CLUB - DEAC |
| Well Name: | LPA REPORTED PRIMARY SOURCE |
| Distance From Well: | 0 |
| Assigned Name: | 4400809-001GEN |
| Summary: | MAX MTBE = 110 PPB IN MW-3. MAY NEED HOT SPOT REMOVED AT MW-3 PRIOR TO LOW RISK REVIEW. |

CERS HAZ WASTE:

| | |
|---|---|
| Name: | MISSION AUTO REPAIR |
| Address: | 823 MISSION ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 135546 |
| CERS ID: | 10477024 |
| CERS Description: | Hazardous Waste Generator |

SWEEPS UST:

| | |
|---|---|
| Name: | CHEVRON SERVICE STATION |
| Address: | 823 MISSION ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 62527 |
| Number: | 1 |
| Board Of Equalization: | 44-031913 |
| Referral Date: | 07-09-93 |
| Action Date: | 05-23-94 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 147356 |
| SWRCB Tank Id: | 44-000-062527-000001 |
| Tank Status: | A |
| Capacity: | 10000 |
| Active Date: | 09-16-93 |
| Tank Use: | M.V. FUEL |
| STG: | P |
| Content: | PREMIUM UNLEADED |
| Number Of Tanks: | 4 |

| | |
|---|---|
| Name: | CHEVRON SERVICE STATION |
| Address: | 823 MISSION ST |
| City: | SANTA CRUZ |
| Status: | Active |
| Comp Number: | 62527 |
| Number: | 1 |
| Board Of Equalization: | 44-031913 |
| Referral Date: | 07-09-93 |
| Action Date: | 05-23-94 |
| Created Date: | 12-31-88 |
| Owner Tank Id: | 147356 |
| SWRCB Tank Id: | 44-000-062527-000002 |
| Tank Status: | A |
| Capacity: | 10000 |
| Active Date: | 07-09-93 |
| Tank Use: | M.V. FUEL |
| STG: | P |
| Content: | PRM UNLEADED |
| Number Of Tanks: | Not reported |

**US PRO (Continued)** **S101309572**

Name: CHEVRON SERVICE STATION
Address: 823 MISSION ST
City: SANTA CRUZ
Status: Active
Comp Number: 62527
Number: 1
Board Of Equalization: 44-031913
Referral Date: 07-09-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 147356
SWRCB Tank Id: 44-000-062527-000003
Tank Status: A
Capacity: 10000
Active Date: 07-09-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CHEVRON SERVICE STATION
Address: 823 MISSION ST
City: SANTA CRUZ
Status: Active
Comp Number: 62527
Number: 1
Board Of Equalization: 44-031913
Referral Date: 07-09-93
Action Date: 05-23-94
Created Date: 12-31-88
Owner Tank Id: 147356
SWRCB Tank Id: 44-000-062527-000004
Tank Status: A
Capacity: 1000
Active Date: 07-09-93
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CERS TANKS:
Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 405156
CERS ID: 10192450
CERS Description: Underground Storage Tank

CORTESE:
Name: FORMER CHEVRON STATION 9-3865
Address: 823 MISSION STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700030
Site/Facility Type: LUST CLEANUP SITE





**US PRO (Continued)** **S101309572**

Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CUPA SANTA CRUZ:
Name: MISSION AUTO REPAIR
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0007635
Cross Street: Not reported
Description: HMMP STANDARD FORM FILING FEE

Name: MISSION AUTO REPAIR
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0007635
Cross Street: Not reported
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002619
Cross Street: WALNUT AVE
Description: HMMP STANDARD FORM QR 3

Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002619
Cross Street: WALNUT AVE
Description: STATE UST SURCHARGE

Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002619
Cross Street: WALNUT AVE
Description: HMMP STANDARD FORM FILING FEE

Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060

**US PRO (Continued)** **S101309572**

Facility Id: FA0002619
Cross Street: WALNUT AVE
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002619
Cross Street: WALNUT AVE
Description: UNDERGROUND STORAGE TANK PROGRAM

HIST CORTESE:
edr_fname: CHEVRON STATION 9-3865
edr_fadd1: 823 MISSION
City,State,Zip: SANTA CRUZ, CA
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 2126

CERS:
Name: US PRO
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 405156
CERS ID: 10192450
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 405156
Site Name: US PRO
Violation Date: 12-21-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: The two gasoline spill containers, were short of the 5 gallon capacity requirement. Repair or replace the spill containers to provide the required 5 gallon capacity within 8 months.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 02-02-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the





**US PRO (Continued)** **S101309572**

business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 02/07/2018. This facility has not made a complete and accurate submittal in CERS since 3/24/2016
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 01-07-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 01/02/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 02-02-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 02/07/2018. The last monitor certification was done on 12/20/2016. This monitor certification is more than 30 days overdue. Operator submitted information in CERS on 2/7/2018.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 12-21-2020
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Alarms were found recorded on the alarm history, April 4, 2020 for the diesel PLLD. No documentation of actions taken to determine the cause of the diesel alarm were provided. Maintain documentation of actions taken to investigate alarms and make available for review when requested.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO

**US PRO (Continued)** **S101309572**

Violation Date: 03-23-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 08/21/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 12-21-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: The certification of financial responsibility form is missing from the CERS submittal, a copy of a CFO letter is in the location designated for it. Submit the certification of financial responsibility in CERS.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 03-23-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 08/21/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO
Violation Date: 12-21-2020
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: The hazardous materials business plan requires updating, the site monitoring plan is lacking the required detail. Review the hazardous materials business plan and update as necessary, update the site monitoring plan as required by the California Health and Safety Code.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405156
Site Name: US PRO





**US PRO (Continued)** **S101309572**

Violation Date: 02-24-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/14/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, as necessary, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site today to witness the annual monitor certification. This certification is more than 30 days late. The last monitor certification was done on 12/20/2016. The CERS submittal in 2017 was not complete and therefore a submittal has not bee accepted since 2016. You must review the information in your HMMP annually and submit all pertinent information in CERS to certify that the information is accurate and complete. Please review and submit your businesses information in CERS within 30 days. SB 989 Secondary Containment Test was done in 2017. All sensors passed during todays monitor certification. Probes, and line leak detectors also.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Pinnacle Doing Monitoring Certification this date.
Eval Division: Santa Cruz County Environmental Health

**US PRO (Continued)** **S101309572**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by Mr. Andy Nazemi, Owner. The Owner's or Operator's signatures were not obtained on the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW





**US PRO (Continued)** **S101309572**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection authorized by Mr. Andy Nazemi, owner. The Owner's or Operator's signatures were not obtained on; the inspection report due to COVID-19 constraints.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

**US PRO (Continued)** **S101309572**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to witness the annual monitor certification test, training and record keeping. All sensors passed, including fill sump sensors, no annular (single wall tanks), fill sumps, including turbine shut down, spill buckets, fail safe and sensor out, all 4 dispenser sumps and line leak detectors. Hazardous waste area is clean and orderly. owner keeps all hazardous waste manifests. Training is done yearly for all employees. Monitor certification test must be done in december again next year, 2020. No violations were observed here today.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 405156
Site Name: US PRO
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 01-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405156
Site Name: US PRO
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 02-02-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405156
Site Name: US PRO
Site Address: 823 MISSION ST
Site City: SANTA CRUZ





**US PRO (Continued)** **S101309572**

Site Zip: 95060
Enf Action Date: 02-24-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405156
Site Name: US PRO
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-23-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405156
Site Name: US PRO
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 02-02-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Abbas Nazemi
Entity Title: Not reported
Affiliation Address: 823 Mission St
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 15250 BLACKBERRY HILL ROAD
Affiliation City: LOS GATOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95032
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer

**US PRO (Continued)** **S101309572**

Entity Name: PAMELA ROLLINS
Entity Title: Family
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant
Entity Name: PAMELA ROLLINS
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (408) 354-5310,

Affiliation Type Desc: UST Property Owner Name
Entity Name: Pamela Rollins
Entity Title: Not reported
Affiliation Address: 15250 BLACKBERRY HILL ROAD
Affiliation City: LOS GATOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95030
Affiliation Phone: (408) 354-5310,

Affiliation Type Desc: UST Tank Owner
Entity Name: PAMELA ROLLINS
Entity Title: Not reported
Affiliation Address: 15250 BLACKBERRY HILL ROAD
Affiliation City: LOS GATOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95030
Affiliation Phone: (408) 354-5310,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Document Preparer
Entity Name: (408) 506-1576
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported





**US PRO (Continued)** **S101309572**

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PAMELA ROLLINS
Entity Title: Not reported
Affiliation Address: 15250 BLACKBERRY HILL RD
Affiliation City: Los Gatos
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95030
Affiliation Phone: (408) 354-5310,

Affiliation Type Desc: Operator
Entity Name: PAMELA ROLLINS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (408) 354-5310,

Affiliation Type Desc: Parent Corporation
Entity Name: SAV-ON GASOLINE, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Operator
Entity Name: PAMELA ROLLINS
Entity Title: Not reported
Affiliation Address: 15250 BLACKBERRY HILL ROAD
Affiliation City: LOS GATOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95030
Affiliation Phone: (408) 354-5310,

Name: FORMER CHEVRON STATION 9-3865
Address: 823 MISSION STREET
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 239719
CERS ID: T0608700030
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported

**US PRO (Continued)** **S101309572**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CHEVRON PRODUCTS COMPANY
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 950603616
Site ID: 459232
CERS ID: 110012544559
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: KATHY NORRIS
Entity Title: Not reported
Affiliation Address: POBOX 6004
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON SANTA CRUZ CNTY LOP
Entity Title: Not reported
Affiliation Address: 701 OCEAN STREETNA ROOM 312
Affiliation City: SANTACRUZ
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES CTRL CST RWQCB REGN 3RD
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PLNA SUITE 101
Affiliation City: SANLUISOBISPO
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: MISSION AUTO REPAIR
Address: 823 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 135546
CERS ID: 10477024





**US PRO (Continued)** **S101309572**

CERS Description: Chemical Storage Facilities

Violations:
Site ID: 135546
Site Name: Mission Auto Repair
Violation Date: 02-24-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 10/10/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 135546
Site Name: Mission Auto Repair
Violation Date: 05-16-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 10/10/2017. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 2/2019. Permit current.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016

**US PRO (Continued)** **S101309572**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Closure Inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 2/2019. Permit current. Provide secondary containment for the oil drums in the back. Post ER procedures in the back area.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS submitted 12\\2014. Annual submittal Overdue. Please log onto the site and submit all the required elements. Provide secondary containment for the 55 gallon oil drums in the back fenced area. Signature provide on the paper inspection report due to computer problems.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 135546
Site Name: Mission Auto Repair
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 02-24-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection





**US PRO (Continued)** **S101309572**

Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 135546
Site Name: Mission Auto Repair
Site Address: 823 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-16-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 135546
Facility Name: Mission Auto Repair
Env Int Type Code: HWG
Program ID: 10477024
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.972590
Longitude: -122.034970

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Document Preparer
Entity Name: Michael Nguyen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Michael Nguyen
Entity Title: Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

**US PRO (Continued)** **S101309572**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Michael Nguyen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 900-8755,

Affiliation Type Desc: Environmental Contact
Entity Name: Minh Nguyen
Entity Title: Not reported
Affiliation Address: 823 Mission Street
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 823 Mission
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Thang Le
Entity Title: Not reported
Affiliation Address: 823 Mission Street
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 421-0344,

Affiliation Type Desc: Parent Corporation
Entity Name: Mission Auto Care
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Thang Le
Entity Title: Not reported
Affiliation Address: 823 Mission St





**US PRO (Continued)** **S101309572**

Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (510) 396-4001,

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**AC121** **FORMER GULF OIL SERVICE STATIO** **LUST** **S103291646**
**NE** **615 OCEAN ST** **Cortese** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **CERS**
**0.451 mi.**
**2381 ft.** **Site 1 of 2 in cluster AC**

**Relative:**
**Higher**

**Actual:**
**26 ft.**

LUST:
Name: FORMER GULF OIL SERVICE STATIO
Address: 615 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: SANTA CRUZ COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700151
Global Id: T0608700151
Latitude: 36.977286
Longitude: -122.020757
Status: Completed - Case Closed
Status Date: 09/08/1998
Case Worker: JBG
RB Case Number: 2971
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700151
Action Type: Other
Date: 08/27/1996
Action: Leak Reported

LUST:
Global Id: T0608700151
Status: Open - Case Begin Date
Status Date: 08/27/1996

Global Id: T0608700151
Status: Completed - Case Closed
Status Date: 09/08/1998

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700151
Status: Case Closed
Case Number: 2971

**FORMER GULF OIL SERVICE STATIO (Continued)** **S103291646**

| | |
|---|---|
| Local Case Num: | Not reported |
| Case Type: | U |
| Substance: | Gasoline |
| Quantity: | Not reported |
| Abatement Method: | Unknown - action taken at site is unknown |
| Leak Source: | UNK |
| Leak Cause: | UNK |
| How Stopped: | Not reported |
| How Discovered: | Not reported |
| Release Date: | 08/27/1996 |
| Discovered Date: | Not reported |
| Enter Date: | 09/04/1998 |
| Stop Date: | Not reported |
| Review Date: | 05/20/1999 |
| Enforce Date: | Not reported |
| Close Date: | 9/8/98 |
| Enforcement Type: | Not reported |
| Responsible Party: | MARK LAFFERTY |
| RP Address: | PO BOX 5004 |
| Contact: | Not reported |
| Cross Street: | Not reported |
| Local Agency: | 44000 |
| Lead Agency: | Local Agency |
| Staff Initials: | BWH |
| Confirm Leak: | Not reported |
| Workplan: | Not reported |
| Prelim Assess: | Not reported |
| Pollution Char: | / / |
| Remedial Plan: | Not reported |
| Remedial Action: | Not reported |
| Monitoring: | / / |
| Pilot Program: | UST |
| Interim Action: | 0 |
| Funding: | 0 |
| MTBE Class: | * |
| Max MTBE Grnd Wtr: | Not reported |
| Max MTBE Soil: | Not reported |
| Max MTBE Data: | / / |
| MTBE Tested: | NT |
| Lat/Long: | 36.9768123 / -122.0200787 |
| Soil Qualifier: | Not reported |
| Grnd Wtr Qualifier: | Not reported |
| Mtbe Concentratn: | 0 |
| Mtbe Fuel: | 1 |
| Org Name: | Not reported |
| Basin Plan: | 4.11 |
| Beneficial: | MUN |
| Priority: | Not reported |
| UST Cleanup Fund ID: | Not reported |
| Suspended: | Not reported |
| Operator: | Not reported |
| Water System: | POGONIP POLO CLUB - DEAC |
| Well Name: | LPA REPORTED PRIMARY SOURCE |
| Distance From Well: | 0 |
| Assigned Name: | 4400809-001GEN |
| Summary: | THIS CASE IS CLOSED |





**FORMER GULF OIL SERVICE STATIO (Continued)** **S103291646**

CORTESE:

| | |
|---|---|
| Name: | FORMER GULF OIL SERVICE STATIO |
| Address: | 615 OCEAN ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Region: | CORTESE |
| Envirostor Id: | Not reported |
| Global ID: | T0608700151 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Status Date: | Not reported |
| Site Code: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| Owner: | Not reported |
| Enf Type: | Not reported |
| Swat R: | Not reported |
| Flag: | active |
| Order No: | Not reported |
| Waste Discharge System No: | Not reported |
| Effective Date: | Not reported |
| Region 2: | Not reported |
| WID Id: | Not reported |
| Solid Waste Id No: | Not reported |
| Waste Management Uit Name: | Not reported |
| File Name: | Active Open |

CERS:

| | |
|---|---|
| Name: | FORMER GULF OIL SERVICE STATIO |
| Address: | 615 OCEAN ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 204378 |
| CERS ID: | T0608700151 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | STEVE BAIOCCHI - SANTA CRUZ COUNTY |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Street, Room 312 |
| Affiliation City: | SANTA CRUZ |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8314542754, |

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**AA122** **ROSSI PROPERTY** **LUST** **S103651045**
**South** **302 PACIFIC AVE** **Cortese** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **HIST CORTESE**
**0.455 mi.** **Notify 65**
**2402 ft.** **Site 2 of 2 in cluster AA** **CERS**

**Relative:**
**Higher**

**Actual:**
**22 ft.**

LUST:

| | |
|---|---|
| Name: | ROSSI PROPERTY |
| Address: | 302 PACIFIC AVE |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Lead Agency: | SANTA CRUZ COUNTY |

**ROSSI PROPERTY (Continued)** **S103651045**

| | |
|---|---|
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700135 |
| Global Id: | T0608700135 |
| Latitude: | 36.964973 |
| Longitude: | -122.025803 |
| Status: | Completed - Case Closed |
| Status Date: | 02/10/1997 |
| Case Worker: | Not reported |
| RB Case Number: | 2770 |
| Local Agency: | Not reported |
| File Location: | Not reported |
| Local Case Number: | Not reported |
| Potential Media Affect: | Soil |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Not reported |

LUST:

| | |
|---|---|
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 12/22/1994 |
| Action: | Notification - Proposition 65 |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 01/29/1997 |
| Action: | Well Destruction Report |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 04/04/1995 |
| Action: | Tank Removal Report / UST Sampling Report |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 11/13/1995 |
| Action: | Well Installation Report |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 07/27/1995 |
| Action: | Correspondence |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 11/28/1994 |
| Action: | Phase I Assessment Report |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 01/22/1996 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 11/28/1994 |
| Action: | Correspondence |
| Global Id: | T0608700135 |





**ROSSI PROPERTY (Continued)** **S103651045**

| | |
|---|---|
| Action Type: | RESPONSE |
| Date: | 11/28/1994 |
| Action: | Unauthorized Release Form |
| Global Id: | T0608700135 |
| Action Type: | RESPONSE |
| Date: | 05/02/1996 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 03/02/1995 |
| Action: | Site Visit / Inspection / Sampling |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 03/03/1995 |
| Action: | Site Visit / Inspection / Sampling |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 08/11/1995 |
| Action: | Staff Letter |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 12/27/1995 |
| Action: | Staff Letter |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 12/03/1996 |
| Action: | Staff Letter |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 12/28/1994 |
| Action: | Staff Letter |
| Global Id: | T0608700135 |
| Action Type: | Other |
| Date: | 06/10/1994 |
| Action: | Leak Discovery |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 02/06/1997 |
| Action: | Closure/No Further Action Letter |
| Global Id: | T0608700135 |
| Action Type: | ENFORCEMENT |
| Date: | 03/31/1995 |
| Action: | Staff Letter |
| Global Id: | T0608700135 |
| Action Type: | Other |
| Date: | 01/16/1994 |

**ROSSI PROPERTY (Continued)** **S103651045**

Action: Leak Reported

Global Id: T0608700135
Action Type: RESPONSE
Date: 11/28/1994
Action: Other Report / Document

Global Id: T0608700135
Action Type: RESPONSE
Date: 08/02/1996
Action: Request for Closure - Regulator Responded

LUST:
Global Id: T0608700135
Status: Open - Case Begin Date
Status Date: 01/16/1994

Global Id: T0608700135
Status: Completed - Case Closed
Status Date: 02/10/1997

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700135
Status: Case Closed
Case Number: 2770
Local Case Num: Not reported
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: Unknown - action taken at site is unknown
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Subsurface Monitoring
Release Date: 01/16/1994
Discovered Date: 6/10/94
Enter Date: 11/22/1996
Stop Date: Not reported
Review Date: 02/10/1997
Enforce Date: Not reported
Close Date: 2/10/97
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: HDC
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported





**ROSSI PROPERTY (Continued)** **S103651045**

Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: 0
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9648136 / -122.0259808
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: THIS CASE IS CLOSED

CORTESE:
Name: ROSSI PROPERTY
Address: 302 PACIFIC AVE
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700135
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

**ROSSI PROPERTY (Continued)** **S103651045**

HIST CORTESE:
- edr_fname: ROSSI PROPERTY
- edr_fadd1: 302 PACIFIC
- City,State,Zip: SANTA CRUZ, CA 95060
- Region: CORTESE
- Facility County Code: 44
- Reg By: LTNKA
- Reg Id: 2770

NOTIFY 65:
- Name: ROSSI PROPERTY
- Address: 302 PACIFIC AVE
- City,State,Zip: SANTA CRUZ, CA 95060
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported
- Discharge Date: Not reported
- Issue Date: 12/22/1994
- Incident Description: Not reported
- Global ID: Not reported
- Status: Not reported

CERS:
- Name: ROSSI PROPERTY
- Address: 302 PACIFIC AVE
- City,State,Zip: SANTA CRUZ, CA 95060
- Site ID: 228427
- CERS ID: T0608700135
- CERS Description: Leaking Underground Storage Tank Cleanup Site

---

**123 East 1/4-1/2 0.459 mi. 2425 ft.** | **MASINI CAR REPAIR FACILITY** | **434 BARSON ST** | **SANTA CRUZ, CA 95060** | **LUST** | **HIST UST** | **Cortese** | **HIST CORTESE** | **CERS** | **S100235746** | **N/A**

**Relative: Higher**

**Actual: 18 ft.**

LUST:
- Name: MASINI CAR REPAIR FACILITY
- Address: 434 BARSON ST
- City,State,Zip: SANTA CRUZ, CA 95060
- Lead Agency: CENTRAL COAST RWQCB (REGION 3)
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700256
- Global Id: T0608700256
- Latitude: 36.9707719738078
- Longitude: -122.017412361902
- Status: Completed - Case Closed
- Status Date: 12/17/2015
- Case Worker: TAS
- RB Case Number: 626
- Local Agency: SANTA CRUZ COUNTY
- File Location: Regional Board
- Local Case Number: Not reported
- Potential Media Affect: Other Groundwater (uses other than drinking water)
- Potential Contaminants of Concern: Gasoline





**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Site History: 3 Underground Storage Tanks Removed,

LUST:
- Global Id: T0608700256
- Contact Type: Regional Board Caseworker
- Contact Name: TOM SAYLES
- Organization Name: CENTRAL COAST RWQCB (REGION 3)
- Address: 895 AEROVISTA PL, SUITE 101
- City: SAN LUIS OBISPO
- Email: tom.sayles@waterboards.ca.gov
- Phone Number: Not reported

LUST:
- Global Id: T0608700256
  - Action Type: ENFORCEMENT
  - Date: 11/16/2011
  - Action: Staff Letter
- Global Id: T0608700256
  - Action Type: ENFORCEMENT
  - Date: 03/19/2015
  - Action: Staff Letter
- Global Id: T0608700256
  - Action Type: RESPONSE
  - Date: 10/01/1987
  - Action: CAP/RAP - Other Report
- Global Id: T0608700256
  - Action Type: RESPONSE
  - Date: 02/10/1988
  - Action: Other Report / Document
- Global Id: T0608700256
  - Action Type: RESPONSE
  - Date: 10/20/2013
  - Action: Monitoring Report - Annually
- Global Id: T0608700256
  - Action Type: ENFORCEMENT
  - Date: 03/02/2009
  - Action: 13267 Requirement
- Global Id: T0608700256
  - Action Type: ENFORCEMENT
  - Date: 09/20/2009
  - Action: Staff Letter
- Global Id: T0608700256
  - Action Type: ENFORCEMENT
  - Date: 03/08/2013
  - Action: Staff Letter
- Global Id: T0608700256
  - Action Type: RESPONSE
  - Date: 06/20/2010
  - Action: Monitoring Report - Annually

**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Global Id: T0608700256
Action Type: RESPONSE
Date: 12/20/2011
Action: Monitoring Report - Annually

Global Id: T0608700256
Action Type: RESPONSE
Date: 09/03/2012
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 12/08/2008
Action: 13267 Requirement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 10/10/2007
Action: Staff Letter

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 07/25/1989
Action: 13267 Monitoring Program

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 11/01/2011
Action: 13267 Requirement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 10/24/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700256
Action Type: RESPONSE
Date: 05/19/1986
Action: Preliminary Site Assessment Report

Global Id: T0608700256
Action Type: RESPONSE
Date: 02/15/2012
Action: Soil and Water Investigation Workplan

Global Id: T0608700256
Action Type: RESPONSE
Date: 10/15/2011
Action: Conceptual Site Model

Global Id: T0608700256
Action Type: RESPONSE
Date: 10/20/2012
Action: Monitoring Report - Annually

Global Id: T0608700256
Action Type: ENFORCEMENT





**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Date: 07/05/2012
Action: 13267 Requirement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 03/18/2013
Action: 13267 Requirement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 07/23/2013
Action: Referral to Local Agency

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 12/17/2015
Action: Closure/No Further Action Letter

Global Id: T0608700256
Action Type: Other
Date: 09/23/1985
Action: Leak Discovery

Global Id: T0608700256
Action Type: RESPONSE
Date: 05/30/2009
Action: Monitoring Report - Annually

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 12/09/1987
Action: * Historical Enforcement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 09/01/2009
Action: 13267 Requirement

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 05/20/2015
Action: Staff Letter

Global Id: T0608700256
Action Type: ENFORCEMENT
Date: 06/26/2015
Action: Referral to Regional Board

Global Id: T0608700256
Action Type: Other
Date: 10/17/1985
Action: Leak Reported

Global Id: T0608700256
Action Type: RESPONSE
Date: 10/07/2011
Action: Other Report / Document - Regulator Responded

**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Global Id: T0608700256
Action Type: RESPONSE
Date: 08/16/2013
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0608700256
Action Type: RESPONSE
Date: 02/07/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0608700256
Action Type: RESPONSE
Date: 11/19/2014
Action: Request for Closure - Regulator Responded

Global Id: T0608700256
Action Type: RESPONSE
Date: 12/15/2015
Action: Well Destruction Report - Regulator Responded

Global Id: T0608700256
Action Type: REMEDIATION
Date: 02/17/2009
Action: Monitored Natural Attenuation

LUST:
Global Id: T0608700256
Status: Open - Case Begin Date
Status Date: 09/23/1985

Global Id: T0608700256
Status: Open - Site Assessment
Status Date: 05/01/1987

Global Id: T0608700256
Status: Open - Remediation
Status Date: 12/20/1987

Global Id: T0608700256
Status: Open - Verification Monitoring
Status Date: 01/01/1990

Global Id: T0608700256
Status: Open - Remediation
Status Date: 02/17/2009

Global Id: T0608700256
Status: Open - Site Assessment
Status Date: 07/05/2012

Global Id: T0608700256
Status: Open - Eligible for Closure
Status Date: 01/08/2015

Global Id: T0608700256
Status: Completed - Case Closed
Status Date: 12/17/2015





**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700256
Status: Post remedial action monitoring
Case Number: 626
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 10/17/1985
Discovered Date: 9/23/85
Enter Date: 07/22/1987
Stop Date: Not reported
Review Date: 10/22/1992
Enforce Date: 12/9/87
Close Date: Not reported
Enforcement Type: EF
Responsible Party: HAL MASINI
RP Address: 1001 SYLMAR AVENUE, #248
Contact: Not reported
Cross Street: OCEAN STREET
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 05/01/1987
Remedial Plan: Not reported
Remedial Action: 12/20/87
Monitoring: 01/01/1990
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9707034 / -122.0177986
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 3A3
UST Cleanup Fund ID: Not reported

**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: GAS TANKS REMOVED. IN LIMBO;OWNER OUT OF MONEY.CHLORINATED ORGANICS FOUND. (LOW LEVEL)

HIST UST:
Name: LOUIS V W REPAIR
Address: 434 BARSON ST
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020BC2
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020BC2.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CORTESE:
Name: MASINI CAR REPAIR FACILITY
Address: 434 BARSON ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700256
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported





**MASINI CAR REPAIR FACILITY (Continued)** **S100235746**

Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: MASINI CAR REPAIR FACILIT
edr_fadd1: 434 BARSON
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 626

CERS:
Name: MASINI CAR REPAIR FACILITY
Address: 434 BARSON ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 194899
CERS ID: T0608700256
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**AC124** **FLEET OPERATIONS** **LUST** **U001601959**
**NE** **691 OCEAN ST** **CERS HAZ WASTE** **N/A**
**1/4-1/2** **SANTA CRUZ, CA 95060** **HIST UST**
**0.480 mi.** **CERS TANKS**
**2536 ft.** **Site 2 of 2 in cluster AC** **Cortese**
**CUPA Listings**
**Relative:** **HIST CORTESE**
**Higher** **CERS**
**Actual:**
**27 ft.**

LUST:
Name: FLEET OPERATIONS

**FLEET OPERATIONS (Continued)** **U001601959**

Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700182
Global Id: T0608700182
Latitude: 36.9775510092699
Longitude: -122.021230459213
Status: Completed - Case Closed
Status Date: 12/16/1998
Case Worker: Not reported
RB Case Number: 340
Local Agency: SANTA CRUZ COUNTY
File Location: State Records Center
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700182
Action Type: ENFORCEMENT
Date: 09/14/1998
Action: Closure/No Further Action Letter

Global Id: T0608700182
Action Type: ENFORCEMENT
Date: 09/21/1998
Action: Closure/No Further Action Letter

Global Id: T0608700182
Action Type: Other
Date: 11/10/1988
Action: Leak Discovery

Global Id: T0608700182
Action Type: Other
Date: 03/23/1989
Action: Leak Reported

LUST:
Global Id: T0608700182
Status: Open - Case Begin Date
Status Date: 11/10/1988

Global Id: T0608700182
Status: Open - Site Assessment
Status Date: 03/04/1989

Global Id: T0608700182
Status: Open - Verification Monitoring
Status Date: 06/30/1992

Global Id: T0608700182
Status: Completed - Case Closed
Status Date: 12/16/1998





**FLEET OPERATIONS (Continued)** **U001601959**

Name: FLEET OPERATIONS
Address: 691 OCEAN STREET
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608786620
Global Id: T0608786620
Latitude: 36.9776410042822
Longitude: -122.020930051804
Status: Completed - Case Closed
Status Date: 11/20/2017
Case Worker: TAS
RB Case Number: 3558
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: RO0000165
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: Semiannual Groundwater Monitoring and GWE system

LUST:
Global Id: T0608786620
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 07/25/2006
Action: 13267 Requirement

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 06/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 03/03/2017
Action: Notification - Fee Title Owners Notice

Global Id: T0608786620
Action Type: Other
Date: 10/09/2003
Action: Leak Began

Global Id: T0608786620
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608786620

**FLEET OPERATIONS (Continued)** **U001601959**

Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 11/30/2017
Action: Well Destruction Report

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 12/30/2008
Action: File review

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 03/24/2009
Action: File review

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 05/12/2017
Action: 13267 Requirement

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 12/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2006





**FLEET OPERATIONS (Continued)** **U001601959**

Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 05/03/2017
Action: Other Report / Document

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 01/05/2005
Action: 13267 Monitoring Program

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 06/01/2004
Action: 13267 Requirement

Global Id: T0608786620
Action Type: RESPONSE
Date: 02/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 01/01/2005
Action: Soil and Water Investigation Report

Global Id: T0608786620
Action Type: RESPONSE
Date: 05/20/2004
Action: Soil and Water Investigation Workplan

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

**FLEET OPERATIONS (Continued)** **U001601959**

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 03/02/2004
Action: 13267 Requirement

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 11/20/2017
Action: Closure/No Further Action Letter

Global Id: T0608786620
Action Type: Other
Date: 10/09/2003
Action: Leak Discovery

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 12/15/2007
Action: Interim Remedial Action Report

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: ENFORCEMENT
Date: 12/11/2008
Action: File review

Global Id: T0608786620
Action Type: Other
Date: 02/03/2004
Action: Leak Reported

Global Id: T0608786620
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE





**FLEET OPERATIONS (Continued)** **U001601959**

Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/30/2007
Action: Interim Remedial Action Plan

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 03/23/1989
Action: Unauthorized Release Form

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 04/20/1012
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: RESPONSE
Date: 10/20/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608786620
Action Type: REMEDIATION
Date: 07/07/2008
Action: Pump & Treat (P&T) Groundwater

LUST:
Global Id: T0608786620
Status: Open - Case Begin Date
Status Date: 10/09/2003

Global Id: T0608786620
Status: Open - Site Assessment
Status Date: 02/26/2004

Global Id: T0608786620
Status: Open - Site Assessment
Status Date: 05/17/2004

Global Id: T0608786620

**FLEET OPERATIONS (Continued)** **U001601959**

Status: Open - Site Assessment
Status Date: 06/01/2004

Global Id: T0608786620
Status: Open - Remediation
Status Date: 07/07/2008

Global Id: T0608786620
Status: Open - Eligible for Closure
Status Date: 03/03/2017

Global Id: T0608786620
Status: Completed - Case Closed
Status Date: 11/20/2017

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700182
Status: Case Closed
Case Number: 340
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Leak Source: Tank
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 03/23/1989
Discovered Date: 11/10/88
Enter Date: 04/06/1989
Stop Date: Not reported
Review Date: 02/10/1997
Enforce Date: Not reported
Close Date: 12/16/98
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: LEONARD
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: BWH
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 03/04/1989
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 06/30/1992
Pilot Program: UST
Interim Action: 0





**FLEET OPERATIONS (Continued)** **U001601959**

Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 36.9779292 / -122.0206647
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: Not reported
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: REVISED MONITORING SCHEDULE TO SEMIANNUAL BECAUSE OF LOW ANDDECREASING CONTAMINATION LEVELS. ***ADMINISTRATIVELY DETERMINED CLOSURE DATE***

CERS HAZ WASTE:
Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 120879
CERS ID: 10192465
CERS Description: Hazardous Waste Generator

HIST UST:
Name: FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
File Number: 00020B6D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020B6D.pdf
Region: STATE
Facility ID: 00000056681
Facility Type: Other
Other Type: REPAIR SHOP
Contact Name: CLARKE C. PRINGLE
Telephone: 4084252353
Owner Name: COUNTY OF SANTA CRUZ
Owner Address: 701 OCEAN ST.
Owner City,St,Zip: SANTA CRUZ, CA 95060
Total Tanks: 0003

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

**FLEET OPERATIONS (Continued)** **U001601959**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

CERS TANKS:
Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 120879
CERS ID: 10192465
CERS Description: Underground Storage Tank

CORTESE:
Name: FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700182
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open





**FLEET OPERATIONS (Continued)** **U001601959**

Name: FLEET OPERATIONS
Address: 691 OCEAN STREET
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608786620
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CUPA SANTA CRUZ:
Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002635
Cross Street: LEONARD ST
Description: HMMP STANDARD FORM QR 2

Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002635
Cross Street: LEONARD ST
Description: STATE UST SURCHARGE

Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002635
Cross Street: LEONARD ST
Description: HMMP STANDARD FORM FILING FEE

Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Facility Id: FA0002635
Cross Street: LEONARD ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060

**FLEET OPERATIONS (Continued)** **U001601959**

Facility Id: FA0002635
Cross Street: LEONARD ST
Description: UNDERGROUND STORAGE TANK PROGRAM

HIST CORTESE:
edr_fname: FLEET OPERATIONS
edr_fadd1: 691 OCEAN
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 340

CERS:
Name: GSD - FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 120879
CERS ID: 10192465
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-17-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/17/2019. The Chief Financial Officer (CFO) is out of date. Upload to CERS a current CFO letter.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-14-2020
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 07/14/2020. There were paper filters mixed in with the crushed filters at the start of the inspection. The paper filters must be separated and handled as hazardous waste. The 5 gallon bucked with the paper filters was not properly labeled as hazardous waste. This was corrected by the end of the day.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-17-2019
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of





**FLEET OPERATIONS (Continued)** **U001601959**

Understanding and Compliance Form.
Violation Notes: Returned to compliance on 04/22/2020. Complete and upload to CERS an Underground Storage Tank Statement of Understanding on the new State form.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-14-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/14/2020. The annual training had not been completed at the time of the inspection. Employee hazardous materials training was conducted on the day of the inspection and the violation was corrected.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-17-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 07/17/2019. The overfill prevention system has not been tested and certified by an authorized technician.
Violation Division: Santa Cruz County Environmental Health

**FLEET OPERATIONS (Continued)** **U001601959**

Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-08-2016
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 07/02/2018. OBSERVATION: All waste containers are not being inspected on a weekly basis.. The owner or operator shall inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. CORRECTIVE ACTION: Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-14-2020
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 07/14/2020. The sensor in the annual space was raised off the bottom at start of the inspection. There was approximately 500 ml of water in the annual space. This water was removed and the sensor replaced to the bottom of the annual space the same day of the inspection. At the next monthly DO inspection, check to see if water has returned to the annual space.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-17-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Conduct and document employee training in the event of a release or threaten release of a hazardous materials.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 03-14-2017





**FLEET OPERATIONS (Continued)** **U001601959**

Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 08/28/2018. Secondary containment piping is not testable. At least one UDC, by documentation left by tester, is failing. Repair as necessary and retest the failing systems.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-17-2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 08/16/2019. It has been over one year since the Designated Operator provided employee training. Conduct and document the annual D.O. training.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-02-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/07/2018. The Certification of Financial Responsibility and Chief Financial Officer (CFO) Letter are out of date. This item is required to be approved by the Board of Supervisors and the Board of Supervisors are to address this at this month. Upload and submit the Certification of Financial Responsibility and CFO Letter on CERS.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-02-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/11/2018. The chemical inventory does not include the large cylinder of oxygen. Update the chemical inventory on CERS and add the oxygen.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP

**FLEET OPERATIONS (Continued)** **U001601959**

Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 07-02-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: The mechanics have not had hazardous materials training in a number of years. Provide refresher training annually.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Violation Date: 03-14-2017
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 08/28/2018. On March 14, 2017 87 Piping sump, the both 87 piping lines, and the under dispencer containment for dispenser #1 faiedl secondary containment testing. Repair and retest all of the failed secondary containment components.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Hazardous Waste areas weekly inspections are not being done. See violation section for details.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported





**FLEET OPERATIONS (Continued)** **U001601959**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection authorized by Kevin Bratcher, Fleet Operations Manager. 989 and spill bucket testing on this date. Only the start of testing was observed including the evaluation of the condition of the piping sump and the piping secondary containment where it was determined that neither could be tested due to compromised testing boots. The start of the spill bucket testing was also observed. Documentation left by the tester indicAted that the spill bucket passed but at least one UDC failed.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Onsite during the monitoring certification and spill bucket test conducted by Nicholson Petroleum. Also conducted a HMMP and Hazardous Waste inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: "CERS annuall update due this month. Please log on to site and up date as needed. New manager is Kevin Bratcher.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP

**FLEET OPERATIONS (Continued)** **U001601959**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Monitoring Cert being done by NPM this date. Annular and sump sensor. Spill bucket and stand alone dispenser sensors. All passed OK.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,





**FLEET OPERATIONS (Continued)** **U001601959**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Onsite for an UST Monitoring Certification conducted by Nicholson Petroleum. A signature was not obtained on the inspection report due to COVID-19 concerns.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Onsite during the monitoring certification of the UST system conducted by Nicholson Petroleum. There is transmission fluid in the secondary containment. Have the secondary containment of they transmission fluid pumped out. Provide secondary containment for the new antifreeze.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP

**FLEET OPERATIONS (Continued)** **U001601959**

Eval Source: CERS,

Enforcement Action:
Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Site Address: 691 OCEAN ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 07-02-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Site Address: 691 OCEAN ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 07-08-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Site Address: 691 OCEAN ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 07-02-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 120879
Site Name: GSD - FLEET OPERATIONS
Site Address: 691 OCEAN ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-14-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:





**FLEET OPERATIONS (Continued)** **U001601959**

Site ID: 120879
Facility Name: GSD - FLEET OPERATIONS
Env Int Type Code: HWG
Program ID: 10192465
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.977940
Longitude: -122.020780

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JOHNATHAN RECTOR
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST., RM 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST, RM 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95060
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: County of Santa Cruz - GSD
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST., RM. 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2712,

Affiliation Type Desc: UST Permit Applicant
Entity Name: KEVIN BRATCHER
Entity Title: ADMINISTRATIVE SERVICES MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 454-2721,

Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312
Affiliation City: Santa Cruz
Affiliation State: CA
Affiliation Country: Not reported

**FLEET OPERATIONS (Continued)** **U001601959**

Affiliation Zip: 95060
Affiliation Phone: (831) 454-2022,

Affiliation Type Desc: Document Preparer
Entity Name: WILLIAM KERSTEN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: WILLIAM KERSTEN
Entity Title: BLDG MAINT SUPERVISOR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: COUNTY OF SANTA CRUZ - SO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Property Owner Name
Entity Name: COUNTY OF SANTA CRUZ
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST ROOM 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2210,

Affiliation Type Desc: UST Tank Operator
Entity Name: County of Santa Cruz
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST ROOM 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2210,

Affiliation Type Desc: UST Tank Owner
Entity Name: County of Santa Cruz
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST #330





**FLEET OPERATIONS (Continued)** **U001601959**

Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2210,

Affiliation Type Desc: Operator
Entity Name: County of Santa Cruz - GSD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 454-2712,

Affiliation Type Desc: Property Owner
Entity Name: COUNTY OF SANTA CRUZ
Entity Title: Not reported
Affiliation Address: 701 OCEAN ST., RM 330
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95060
Affiliation Phone: (831) 454-2712,

Name: FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 194324
CERS ID: T0608700182
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported

**FLEET OPERATIONS (Continued)** **U001601959**

Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: FLEET OPERATIONS
Address: 691 OCEAN ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 194324
CERS ID: T0608786620
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE BAIOCCHI - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8314542754,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**AB125 West 1/4-1/2 0.488 mi. 2577 ft.** **Relative: Higher** **Actual: 78 ft.**

**CLOSED UNOCAL STATION #4576** **LUST** **S102440408**
**904 MISSION ST** **CERS HAZ WASTE** **N/A**
**SANTA CRUZ, CA 95060** **SWEEPS UST**
**CERS TANKS**
**Site 2 of 2 in cluster AB** **Cortese**
**HIST CORTESE**
**CERS**

LUST:
Name: 76 STATION 4576
Address: 904 MISSION ST





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608769288
Global Id: T0608769288
Latitude: 36.9722925444833
Longitude: -122.035898119211
Status: Completed - Case Closed
Status Date: 12/15/2014
Case Worker: TAS
RB Case Number: 3623
Local Agency: SANTA CRUZ COUNTY
File Location: Regional Board
Local Case Number: R00000201
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Gasoline
Site History: Semiannual Monitoring and Sampling

LUST:
Global Id: T0608769288
Contact Type: Regional Board Caseworker
Contact Name: TOM SAYLES
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: tom.sayles@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 09/29/2009
Action: 13267 Requirement

Global Id: T0608769288
Action Type: Other
Date: 11/01/2004
Action: Leak Began

Global Id: T0608769288
Action Type: RESPONSE
Date: 02/15/2006
Action: Well Installation Report

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2012

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Action: Other Report / Document

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 11/03/2005
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 11/04/2005
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 01/08/2009
Action: File review

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 02/23/2009
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 01/14/2009
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 04/24/2012
Action: Staff Letter

Global Id: T0608769288
Action Type: Other
Date: 12/11/2004
Action: Leak Stopped

Global Id: T0608769288
Action Type: RESPONSE
Date: 10/20/2005
Action: Well Installation Report

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/23/2010
Action: Soil and Water Investigation Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 02/12/2010
Action: Soil and Water Investigation Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 04/06/2005
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 07/28/2008
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 08/18/2008
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 05/01/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 12/16/2014
Action: Closure/No Further Action Letter

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: RESPONSE
Date: 09/29/2009
Action: Monitoring Report - Other

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2009
Action: Well Destruction Report

Global Id: T0608769288
Action Type: RESPONSE

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 06/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/06/2005
Action: Preliminary Site Assessment Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/20/2008
Action: Soil and Water Investigation Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 12/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: RESPONSE
Date: 09/30/2011
Action: Conceptual Site Model

Global Id: T0608769288
Action Type: RESPONSE
Date: 09/30/2011
Action: Soil and Water Investigation Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 06/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608769288
Action Type: RESPONSE
Date: 02/28/2011
Action: Risk Assessment Report

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 05/23/2005
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 03/24/2010
Action: 13267 Requirement





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 05/10/2010
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 08/09/2011
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 07/19/2013
Action: 13267 Requirement

Global Id: T0608769288
Action Type: Other
Date: 11/11/2004
Action: Leak Discovery

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/30/2009
Action: Well Installation Report

Global Id: T0608769288
Action Type: RESPONSE
Date: 10/30/2008
Action: Soil and Water Investigation Workplan

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 01/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 06/18/2007
Action: Other Report / Document

Global Id: T0608769288
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 05/09/2008
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Date: 10/23/2009
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 12/11/2009
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 12/15/2009
Action: Staff Letter

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 02/16/2011
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 12/19/2011
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 01/25/2012
Action: 13267 Requirement

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 01/24/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0608769288
Action Type: ENFORCEMENT
Date: 09/26/2012
Action: 13267 Requirement

Global Id: T0608769288
Action Type: Other
Date: 12/11/2004
Action: Leak Reported

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Global Id: T0608769288
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608769288
Action Type: RESPONSE
Date: 11/18/1994
Action: Unauthorized Release Form

Global Id: T0608769288
Action Type: RESPONSE
Date: 06/02/1995
Action: Unauthorized Release Form

Global Id: T0608769288
Action Type: RESPONSE
Date: 06/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608769288
Action Type: RESPONSE
Date: 04/30/2014
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0608769288
Action Type: RESPONSE
Date: 07/01/2013
Action: Other Report / Document - Regulator Responded

Global Id: T0608769288
Action Type: RESPONSE
Date: 11/15/2014
Action: Well Destruction Report - Regulator Responded

Global Id: T0608769288
Action Type: REMEDIATION
Date: 11/01/2004
Action: Monitored Natural Attenuation

LUST:
Global Id: T0608769288

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Status: Open - Case Begin Date
Status Date: 11/01/2004

Global Id: T0608769288
Status: Open - Site Assessment
Status Date: 04/06/2005

Global Id: T0608769288
Status: Open - Site Assessment
Status Date: 05/09/2005

Global Id: T0608769288
Status: Open - Site Assessment
Status Date: 05/09/2008

Global Id: T0608769288
Status: Open - Assessment & Interim Remedial Action
Status Date: 07/08/2008

Global Id: T0608769288
Status: Open - Verification Monitoring
Status Date: 09/26/2012

Global Id: T0608769288
Status: Open - Eligible for Closure
Status Date: 02/12/2013

Global Id: T0608769288
Status: Open - Eligible for Closure
Status Date: 04/28/2014

Global Id: T0608769288
Status: Completed - Case Closed
Status Date: 12/15/2014

Name: CLOSED UNOCAL STATION #4576
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700091
Global Id: T0608700091
Latitude: 36.9723225449054
Longitude: -122.035851180554
Status: Completed - Case Closed
Status Date: 07/09/1999
Case Worker: Not reported
RB Case Number: 2493
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: RO0000192
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700091





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Action Type: Other
Date: 11/18/1994
Action: Leak Discovery

Global Id: T0608700091
Action Type: Other
Date: 11/18/1994
Action: Leak Reported

LUST:
Global Id: T0608700091
Status: Open - Case Begin Date
Status Date: 11/18/1994

Global Id: T0608700091
Status: Open - Site Assessment
Status Date: 11/18/1994

Global Id: T0608700091
Status: Open - Site Assessment
Status Date: 07/16/1996

Global Id: T0608700091
Status: Open - Site Assessment
Status Date: 01/28/1997

Global Id: T0608700091
Status: Completed - Case Closed
Status Date: 07/09/1999

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700091
Status: Case Closed
Case Number: 2493
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Other
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Inventory Control
Release Date: 11/18/1994
Discovered Date: 11/18/94
Enter Date: 12/14/1994
Stop Date: Not reported
Review Date: 02/02/2000
Enforce Date: Not reported
Close Date: 7/9/99
Enforcement Type: Not reported
Responsible Party: Not reported

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

RP Address: Not reported
Contact: Not reported
Cross Street: WALNUT AVE
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: BWH
Confirm Leak: 11/18/94
Workplan: Not reported
Prelim Assess: 7/16/96
Pollution Char: 01/28/1997
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: YES
Lat/Long: 36.9724354 / -122.0356382
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 4
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: MUN
Priority: 3A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: POGONIP POLO CLUB - DEAC
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0
Assigned Name: 4400809-001GEN
Summary: TWO CONSECUTIVE SIR FAILURES/FURTHER ACTION WILL BE BASED ONINTEGRITY TEST RESULTS. SUSPENDED M&RP REQUIREMENTS - BWH 3/25/99

CERS HAZ WASTE:
Name: SANTA CRUZ CHEVRON
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 49494
CERS ID: 10192444
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: UNOCAL SERVICE STATION
Address: 904 MISSION ST
City: SANTA CRUZ
Status: Not reported
Comp Number: 14621
Number: Not reported
Board Of Equalization: 44-008001





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 44-000-014621-000003
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

Name: UNOCAL SERVICE STATION
Address: 904 MISSION ST
City: SANTA CRUZ
Status: Active
Comp Number: 14621
Number: 1
Board Of Equalization: 44-008001
Referral Date: 03-07-94
Action Date: 06-13-94
Created Date: 12-31-88
Owner Tank Id: 4576-SU
SWRCB Tank Id: 44-000-014621-000001
Tank Status: A
Capacity: 10000
Active Date: 02-14-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: UNOCAL SERVICE STATION
Address: 904 MISSION ST
City: SANTA CRUZ
Status: Active
Comp Number: 14621
Number: 1
Board Of Equalization: 44-008001
Referral Date: 03-07-94
Action Date: 06-13-94
Created Date: 12-31-88
Owner Tank Id: 4576-RU
SWRCB Tank Id: 44-000-014621-000002
Tank Status: A
Capacity: 10000
Active Date: 02-14-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CERS TANKS:
Name: SANTA CRUZ CHEVRON
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Site ID: 49494
CERS ID: 10192444
CERS Description: Underground Storage Tank

CORTESE:
Name: 76 STATION 4576
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608769288
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: CLOSED UNOCAL STATION #4576
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700091
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

edr_fname: UNOCAL STATION #4576
edr_fadd1: 904 MISSION
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 2493

CERS:
Name: SANTA CRUZ CHEVRON
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 49494
CERS ID: 10192444
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. The latest submission lacks the UST section. CORRECTIVE ACTION: Electronically submit and certify, all sections, of the Business plan within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-18-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 08/15/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 01-10-2019
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to have a business plan readily available to personnel of the

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

business or the unified program facility with responsibilities for emergency response or training.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: The business failed to have the hazardous material business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training. CORRECTIVE ACTION: Provide a readily available business plan to personnel of the business or the unified program facility with responsibilities for emergency response or training. Document that appropriate personnel have the business plan readily availible.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-18-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.
Violation Notes: Returned to compliance on 06/18/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure to include all required information in the tank system assessment.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION:Blue 55 gallon drum of unknown material/waste was observed on the west side of the building with no labels or other identification. CORRECTIVE ACTION: Determine the contents of the drum and properly label it. Provide secondary containment and security, if it is found to be hazardous materials or waste. Document the findings in your facility monitoring log.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not properly intall, calibrate, operate and/or maintain leak detection equipment. The Bravo box float chain assembly for UDC pumps 1 ans 2 still failed. CORRECTIVE ACTION: Properly intall, calibrate, operate and/or maintain leak detection equipment. Repair or replace the float assembly so it will pass the leak test.





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 05-09-2014
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 05/29/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the designated operator (DO). The date of the last DO training conducted and/or training documentation maintained at the facility is dated November 14, 2015. CORRECTIVE ACTION: Maintain list of employees trained by the DO and provide documentation to the CUPA that employees have received appropriate training by the DO.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-20-2013
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 08/22/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-05-2017
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

the CUPA within 30 days of completion of the test.

Violation Notes: Returned to compliance on 08/31/2018. OBSERVATION: Owner/Operator did not submit the annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the annual Monitoring System Certification to the CUPA. Test was completed on 5/03/2017.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 05-29-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 08/21/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not properly install, calibrate, operate and/or maintain leak detection equipment. Seven (7) of the eight (8) mechanical float-and-chain under-dispenser containment (UDC) leak detection devices failed on the initial test. Only the float-and-chain on the west side of UDC for pump number 3/4 passed on the initial test. The 7 failed float-and-chain devices were cleaned and adjusted. Six (6) of 7 float-and-chain devices passed during the second test. The only float-and-chain device that did not pass the second test was the west side (87 fuel grade) of UDC for pump number 1/2. It was determined that the chain for the 87 fuel grade float-and-chain device was broken and the technician did not have replacement part; therefore, this leak detection device equipment is still not properly installed, calibrated, operable, and/or maintained. The regular (87 fuel grade) underground storage tank (UST) annual sensor failed the initial test. However, [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-13-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 06/18/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 03-30-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/28/2018. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-18-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 08/15/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Facility did not comply with one or more of the following designated operator monthly inspection requirements: Be performed by an ICC certified DO; Inspect monthly alarm history report, check that alarms are documented and

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

responded to appropriately, and attach a copy; Inspect for the presence of liquid/debris in spill containers; Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly; Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit; Check that all testing and maintenance has been completed and documented; Verify that all facility employees have been properly trained. CORRECTIVE ACTION: Monthly DO inspections shall: Be performed by an ICC certified DO; Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy; Inspect for the presence of liquid/debris in spill [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-18-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 08/15/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-29-2014
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 06/17/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 05-03-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/28/2018. OBSERVATION: The facility has not annually reviewed and certified that the UST section is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the UST section, and the Financial Responsibility information, electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-23-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: 91 Spill bucket failed. Repair/replace, and retest.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: OBSERVATION: The business failed to electronically submit and certify in the California Environmental Reporting System (CERS) that the Hazardous Materials Business Plan (HMBP) is complete and accurate on or before the annual due date. As of 2015 the entire HMBP is required to be submitted annually pursuant to California Health and Safety Code (HSC) Chapter 6.95 section 25508(a)(1)(A). The HMBP consists of Facility Information, Hazardous Materials Inventory, Site Map, Emergency Contingency Plan and Training Plan, Underground Storage Tanks. The last complete submittal in the CERS is dated August 21, 2014. HMBPs were submitted electronically in the CERS on May 3 and September 8, 2017; however, these submittals were not accepted because they were incomplete by not including the Underground Storage Tanks portion of the HMBP. This is a Class II violation because this violation was also previously noted on inspections conducted on March 30, May 3, June 5, and September 5, [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violation Notes: Returned to compliance on 08/31/2018. OBSERVATION: Owner/Operator did not maintain records of monitoring, testing, repairing, and closure. The last Underground Storage Tank (UST) System Designated UST Operator (DO) Monthly Inspection Report maintained at the facility is dated September 8, 2017. The UST Owner or Operator must maintain a copy of each monthly inspection report and all attachments for the most recent 12 months and the records must be maintained on-site [California Code of Regulations (CCR), Title 23, Chapter 16, Section 2715(e)]. This violation was also noted during the March 30 and September 5, 2017, inspections; therefore, this violation is now a Class II violation. CORRECTIVE ACTION: Provide the CUPA with documentation of the October through December 2017 and January through March 2018 monthly inspection reports. Maintain records of monitoring, testing, repairing, and closure.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 03-30-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 05/05/2017. OBSERVATION: No record of any DO inspections since August 2016. Monthly the DO did not: Inspect the monthly alarm history report; attach a copy of the alarm history; Inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; and checked to ensure that all testing and maintenance has been completed and documented. CORRECTIVE ACTION: Monthly the DO shall: Inspect the monthly alarm history report; attach a copy of the alarm history; Inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; inspect for liquid or debris in the [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-20-2013





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Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 08/22/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes: Returned to compliance on 08/31/2018. OBSERVATION: Secondary containment testing was last performed two months late on June 18, 2015, since the previous secondary containment testing was performed on April 12, 2012. Therefore, our agency notified the facility on March 19, 2018, by electronic correspondence and on March 23, 2018, by telephone that secondary containment testing must be performed during April 2018 because a new testing schedule cannot be created by a late test. Testing has not been completed and is past due. Secondary containment testing is required once every 36 months. CORRECTIVE ACTION: Immediately schedule this secondary containment (SB-989) test and provide 48 hours notification to the CUPA.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-23-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 06/18/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 07-26-2016
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure,

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hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violation Notes: Returned to compliance on 08/15/2016. OBSERVATION: Owner/Operator did not test leak detection equipment every 12 months. CORRECTIVE ACTION: Test leak detection equipment every 12 months and submit monitoring system certification within 30 days of completion of the test. Tests have been over due since 6/18/16.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/31/2018. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA through the California Environmental Reporting System (CERS). Current financial responsibility documents are required to be submitted annually. The Certification of Financial Responsibility form submitted on August 21, 2014, is dated August 22, 2012; therefore, the document is out of date. The Letter from Chief Financial Officer is not properly submitted in the CERS. Additionally, these documents that demonstrate financial responsibility are not being maintained at the underground storage tank (UST) site or the owner/operator s place of business. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility (i.e., Certification of Financial Responsibility and Letter from Chief Financial Officer) in the CERS within 30 days after this report is issued and maintain a copy of these documents at the facility.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: OBSERVATION: Owner/Operator did not install or maintain spill bucket which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, or is resistant to galvanic corrosion. CORRECTIVE ACTION: Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.
Violation Division: Santa Cruz County Environmental Health





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Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: 23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO. CORRECTIVE ACTION: Maintain list of employees trained by the DO. Employee training records are only available from 2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-20-2013
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 08/22/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 06-19-2016
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 08/15/2016. OBSERVATION: Owner/Operator did not test leak detection equipment every 12 months (last tested on 6/18/15). This violation was also noted on a prior inspection dated 7/26/16 and was corrected today when the required testing was completed. CORRECTIVE ACTION: Test leak detection equipment every 12 months and submit monitoring system certification within 30 days of completion of the test. The next test will be due by 6/18/17.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-21-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284

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Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 09/24/2018. OBSERVATION: Owner/Operator did not obtain and/or maintain a valid Operating Permit from the CUPA. CORRECTIVE ACTION: Obtain and maintain a valid Operating Permit from the CUPA.Permit fee and penalties have not been submitted.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 01-10-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/10/2021. The business plan submitted in CERS is missing the hazardous waste desigination in the Business activity page. Also the locally collected information page was not filled in and uploaded.In addition the UST monitoring site plan was incomplete.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date. Latest Submittal on 5/03/2017 was not accepted because it lacked the Underground Storage Tank portion or section.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 01-14-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA





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thresholds) by March 1.
Violation Notes: Returned to compliance on 08/21/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-11-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Not reported
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-11-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 08/15/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 08/31/2018. OBSERVATION: The generator's EPA ID number is inactive (CAL000000614). A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have reactivated the facility's EPA ID number.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-31-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/28/2018. OBSERVATION: The business failed to electronically submit and certify that the business plan is

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

complete, accurate, and in compliance with EPCRA on or before the latest inspection due date of 5/30/2018. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-05-2017
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the CUPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not maintain records of monitoring, testing, repairing, and closure. CORRECTIVE ACTION: Maintain records of monitoring, testing, repairing, and closure. Could not locate recent tank test data and designated operator inspection reports.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 05-09-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 08/21/2014.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 09-05-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not properly intall, calibrate, operate and/or maintain leak detection equipment. The red alarm light on the alarm panel is burned out. Replace the light as soon as possible.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: OBSERVATION: The business did not provide one or more of the following: (1) Initial employee training; (2) Adequate employee training; (3) Annual employee training; and/or (4) Maintain records of employee training. During the inspection, the last recorded and documented employee training that is maintained onsite is dated November 14, 2015. CORRECTIVE ACTION: Provide all employees with required training that includes: (1) Safe handling hazardous materials; (2) Emergency response procedures; and (3) Proper use of response equipment. Maintain records of training available for 3 years.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 08-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/28/2018. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. The last CERS submittal was done on 8/14/14. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 03-30-2017
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 05/05/2017. OBSERVATION: Owner/Operator did not test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.). CORRECTIVE ACTION: Test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.) and submit monitoring system certification within 30 days of completion of the test.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: Owner/Operator did not install or maintain spill bucket which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, or is resistant to galvanic corrosion. The premium (91 grade) fuel spill bucket failed the liquid-tight test. The technician determined that the cause of the leak was not the fill cap or drain valve causing the leak. CORRECTIVE ACTION: Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Violation Date: 04-30-2018
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 04/24/2019. OBSERVATION: The designated underground storage tank (UST) operator (DO) certification expiration dates on the currently submitted Underground Storage Tank System Owner Statements of Designated UST Operator and Understanding of and Compliance with UST Requirements document submitted to the CUPA through the California Environmental Reporting System (CERS) are out of date. A UST owner shall submit any change of designated UST operator(s) to the local agency through the CERS or local reporting portal no later than 30 days after the change [23 CCR 16 2715(a)(3)]. CORRECTIVE ACTION: Upload the required information into the CERS (an updated Underground Storage Tank System Owner Statements of Designated UST Operator and Understanding of and Compliance with UST Requirements document with updated DO certification dates) and submit to the CUPA within 30 days from the date this report is issued.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-10-2019
Violations Found: Yes





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval Type: Other, not routine, done by local agency
Eval Notes: CERS Submitted 11-26-2018. Items still need to be completed. Check Hazardous Waste box yes on Business Activity page. You will be generating waste filters and absorbent. Submit locally required information page as detailed in the attached e-mail. The UST Monitoring Site Plan is incomplete.See e-mail. Discard the old financial responsibility document.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Onsite for the routine/annual Certified Unified Program Agency (CUPA) facility inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes on this date. Underground storage tank (UST) Monitoring Certification testing was conducted by Jeff Conger of Pinnacle Fuel Compliances Services, Inc. [(408) 206-9840]. All leak monitoring sensors, line leak detectors (LLDs), and spill buckets were tested. At the end of the inspection, all equipment tested was is good operational condition except the supreme (91 grade) spill bucket and the regular (87 grade) float-and-chain leak detection equipment in the 1/2 under-dispenser containment (UDC). Please provide a copy of the test report to our office within 30 days. The Veeder Root TLS 350 (monitor alarm panel) alarm history indicates the L5 alarm (87 Fill Piping Sump) alarmed on May 23, 2017, and April 6, 2018, and the L6 alarm (91 Fill Piping Sump) alarmed on June 13, 2017. The designated UST operator [Truncated]
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The INACTIVE EPA Generator I.D.# is CAL000000614.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitoring Certification by Pinnacle this date. Missing chain on the dispenser pan float in number 1-2, will be repaired or replaced. CERS submitted this date. Missing updated Financial Responsibility Form, as well as all the other UST forms. Update and submit all the UST forms, including the Financial Responsibility Form. All DO inspections have been verified and reports filed on-site. 8-15-2016 Monitoring Certification report provide.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Two red tags were removed on this date. Required testing was completed.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-26-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Site visit to ascertain UST Testing details. Annual monitoring system certification testing was last done on June 18, 2015 and is now overdue.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Monitoring Certification by Pinnacle this date. Testing is overdue (last tested on 6/18/15) and will be required to be completed by 6/18/2017 next year. The last CERS submittal was 8/2014. Annual submittal is overdue.
Eval Division: Santa Cruz County Environmental Health





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-31-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-05-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal was not accepted on 5/19/2017 due to the Underground Storage Tank Section not being included. Please submit all sections, updated as needed, on a yearly basis. Submit test results within 30 days of the test. We have not received the monitoring certification report done on 5/3/2017. Maintain all required records concering the monitoring, testing, releases, repairs, and inspections, of the Underground Storage Tank System. These records could not all be located at the time of my reinspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-11-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-14-2018

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submittal of 11/26/2018. Deficiences included failure to note hazardous waste generated on the Business Activity page, Missing locally collected information page, the UST monitoring site plan is missing information on tanks, piping, and sensors. Completed copy of the CERS submittal available on-site, or on-line, for station personnel. Required daily/weekly hazardous materials/waste inspections and log not available, or being done.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Last Monitoring CERT done 6/15. Monitoring Certification must be done immediately. Last DO report was done 0n 8/14/2016. DO inspections must be done on a monthly basis. Last CERS submission done 8/2014. The facility updates on CERS must be done on an annual basis.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS 2/2019. Permit Curent. Monitoring Certification By UST services. Repair or replace the 91 spill bucket. Post ER procedures in the front counter area,
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-05-2017
Violations Found: Yes





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval Type: Other, not routine, done by local agency
Eval Notes: Last CERS submittal was not accepted because the UST portion of the submittal was missing. Please submit all sections of the plan. Note the UST Financial Responsibility section should be updated yearly. Please contact me with any questions. As of 07/06/2017 you have not submitted the requested items. Violation is still open.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-17-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Two USTs were "red tagged" on this date due to chronic recurring violations
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Monitoring Certification by Pinnacle this date. Testing is overdue (last tested on 6/18/15) and will be required to be completed by 6/18/2017 next year. This violation was noted on a previous inspection dated 7/26/16 and was corrected today.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-11-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-22-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-31-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitoring Certification being completed this date by Pinnacle Fuel Compliance Services Inc. Annual CERS submittal is still overdue, previous inspection due date was 5/30/2018. Permit fees and penalities have not been submitted. DO reports and training records are missing or overdue. 91 spill bucket has not been repaired or replaced. Dispenser 1+2 bravo float assembly is still not operational.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-11-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Reinspection to observe the secondary retest of the repaired spill bucket and dispenser pan 1 +2 bravo float. Spill bucket passed. Bravo Float assembly passed. Do reports and training updated. Permit fee and penalties have not been submitted. Fee submitted 9-24-2018. Violation corrected.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A routine facility inspection was conducted on this date. Monitoring Certification testing was conducted by Jeff Conger of Pinnacle Fuel Compliances Services, Inc. [(408) 206-9840]. All leak monitoring sensors, line leak detectors (LLDs), and spill buckets were tested. At the end of the inspection, all equipment tested was is good operational condition except the supreme (91 grade) spill bucket and the regular (87 grade) float-and-chain leak detection equipment in the 1/2 under-dispenser containment (UDC). Please provide a copy of the test report to our office within 30 days. The Veeder Root TLS 350 (monitor alarm panel) alarm history indicates the L5 alarm (87 Fill Piping Sump) alarmed on May 23, 2017, and April 6, 2018, and the L6 alarm (91 Fill Piping Sump) alarmed on June 13, 2017. The designated UST operator (DO) monthly reports adequately addressed the May and June 2017 alarms. The DO has not conducted the monthly reporting for April 2018 alarm yet, which is not [Truncated]
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval General Type: Other/Unknown
Eval Date: 05-03-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS submitted this date. Missing updated Financial Responsibility Form, as well as all the other UST forms. Update and submit all the UST forms, including the Financial Responsibility Form. All DO inspections have been verified and reports filed on-site. 8-15-2016 Monitoring Certification report provide.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-31-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-05-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Eval General Type: Other/Unknown
Eval Date: 12-04-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility was just closed by the City of Santa Cruz Building Dept. for lack of a permit for the dispenser upgrade. The owner needs to clear this up with the City prior to opening. Will reschedule an inspection after they have notified me on the opening date. All conditions normal on the Veeder Root Console.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-14-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Last CERS submission done 8/2014. Annual updates are required.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-05-2017
Enf Action Type: Notice of Violation (Unified Program)

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-31-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-21-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-05-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-30-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-30-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-31-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-30-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Enf Action Date: 08-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-18-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-11-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-29-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 09-11-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-31-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 07-26-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 05-03-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-18-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 08-20-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 01-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-05-2017
Enf Action Type: Notice of Violation (Unified Program)





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 04-30-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 06-17-2015
Enf Action Type: Referral to Other
Enf Action Description: Referral to Other
Enf Action Notes: Red tag issued due to recurring significant violations and following proper advanced notification.
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 49494
Site Name: Santa Cruz Chevron
Site Address: 904 MISSION ST
Site City: SANTA CRUZ
Site Zip: 95060
Enf Action Date: 03-30-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 49494
Facility Name: Santa Cruz Chevron
Env Int Type Code: UST
Program ID: 10192444
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 36.972290
Longitude: -122.035590

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | joe freitas |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Keet Nerhan |
| Entity Title: | Not reported |
| Affiliation Address: | PO Box 158 |
| Affiliation City: | Half Moon Bay |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 94019 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | JOE FREITAS |
| Entity Title: | MANAGER |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | UST Permit Applicant |
| Entity Name: | THU (JACKIE) LE |
| Entity Title: | VICE PRESIDENT |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (408) 580-7956, |

| | |
|---|---|
| Affiliation Type Desc: | Property Owner |
| Entity Name: | KN Petroleum LLC |
| Entity Title: | Not reported |
| Affiliation Address: | PO Box 158 |
| Affiliation City: | Half Moon Bay |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 94019 |
| Affiliation Phone: | (650) 795-4402, |

| | |
|---|---|
| Affiliation Type Desc: | UST Tank Owner |
| Entity Name: | KN Petroleum LLC |
| Entity Title: | Not reported |
| Affiliation Address: | PO Box 158 |
| Affiliation City: | Half Moon Bay |
| Affiliation State: | CA |





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

| | |
|---|---|
| Affiliation Country: | United States |
| Affiliation Zip: | 94019 |
| Affiliation Phone: | (650) 726-4402, |

| | |
|---|---|
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | PO Box 158 |
| Affiliation City: | Half Moon Bay |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 94019 |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | Operator |
| Entity Name: | KN Stations, LLC dba Santa Cruz Chevron |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | (650) 726-4402, |

| | |
|---|---|
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | K N Properties |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Not reported |
| Affiliation State: | Not reported |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |

| | |
|---|---|
| Affiliation Type Desc: | UST Property Owner Name |
| Entity Name: | KN Petroleum LLC |
| Entity Title: | Not reported |
| Affiliation Address: | PO Box 158 |
| Affiliation City: | Half Moon Bay |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 94019 |
| Affiliation Phone: | (650) 726-4402, |

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Santa Cruz County Environmental Health |
| Entity Title: | Not reported |
| Affiliation Address: | 701 Ocean Boulevard, Suite 312 |
| Affiliation City: | Santa Cruz |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 95060 |
| Affiliation Phone: | (831) 454-2022, |

| | |
|---|---|
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | KN Petroleum LLC |
| Entity Title: | Not reported |

**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

Affiliation Address: PO Box 158
Affiliation City: Half Moon Bay
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94019
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: UST Tank Operator
Entity Name: KN Stations, LLC dba Santa Cruz Chevron
Entity Title: Not reported
Affiliation Address: PO Box 158
Affiliation City: Half Moon Bay
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94019
Affiliation Phone: (650) 726-4402,

Name: 76 STATION 4576
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 230569
CERS ID: T0608769288
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM SAYLES - CENTRAL COAST RWQCB (REGION 3)
Entity Title: Not reported
Affiliation Address: 895 AEROVISTA PL, SUITE 101
Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CONOCOPHILLIPS COMPANY
Address: 904 MISSION STREET
City,State,Zip: SANTA CRUZ, CA 95060-3504
Site ID: 462068
CERS ID: 110021087768
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: CLOSED UNOCAL STATION #4576
Address: 904 MISSION ST
City,State,Zip: SANTA CRUZ, CA 95060
Site ID: 220992





**CLOSED UNOCAL STATION #4576 (Continued)** **S102440408**

CERS ID: T0608700091
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SCOTT CARSON - SANTA CRUZ COUNTY
Entity Title: Not reported
Affiliation Address: 701 Ocean Street, Room 312
Affiliation City: SANTA CRUZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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**126 North 1/2-1 0.511 mi. 2696 ft.** **EL RIO MOBILE HOME PARK** **ENVIROSTOR S104156179**
**2120 NORTH PACIFIC AVENUE** **VCP N/A**
**SANTA CRUZ, CA 95060**

**Relative: Lower**
**Actual: 13 ft.**

ENVIROSTOR:
Name: EL RIO MOBILE HOME PARK
Address: 2120 NORTH PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44880001
Status: No Further Action
Status Date: 09/25/1999
Site Code: 201242
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP, SANTA CRUZ COUNTY
Lead Agency: SANTA CRUZ COUNTY
Program Manager: Not reported
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 36.97994
Longitude: -122.0267
APN: 008-311-36
Past Use: NONE
Potential COC: Lead Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Lead
Potential Description: SOIL
Alias Name: EL RIO MOBILE HOME PARK
Alias Type: Alternate Name
Alias Name: 008-311-36
Alias Type: APN
Alias Name: 110033616200
Alias Type: EPA (FRS #)
Alias Name: 201242

**EL RIO MOBILE HOME PARK (Continued)** **S104156179**

Alias Type: Project Code (Site Code)
Alias Name: 44880001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 09/29/1999
Comments: DTSC completed its review of the health risk assessment and sampling and analysis conducted and determined that no further action was required. This review and determination was coordinated with Santa Cruz County Environmental Health Department staff.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/02/1999
Comments: DTSC provided assistance to the Santa Cruz County.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: EL RIO MOBILE HOME PARK
Address: 2120 NORTH PACIFIC AVENUE
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 44880001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, SANTA CRUZ COUNTY
Lead Agency: SANTA CRUZ COUNTY
Lead Agency Description: SANTA CRUZ COUNTY
Project Manager: Not reported
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Site Code: 201242
Assembly: 29
Senate: 17
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/25/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 36.97994 / -122.0267
APN: 008-311-36
Past Use: NONE





**EL RIO MOBILE HOME PARK (Continued)** **S104156179**

Potential COC: 30013, 30019
Confirmed COC: 30019,30013
Potential Description: SOIL
Alias Name: EL RIO MOBILE HOME PARK
Alias Type: Alternate Name
Alias Name: 008-311-36
Alias Type: APN
Alias Name: 110033616200
Alias Type: EPA (FRS #)
Alias Name: 201242
Alias Type: Project Code (Site Code)
Alias Name: 44880001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 09/29/1999
Comments: DTSC completed its review of the health risk assessment and sampling and analysis conducted and determined that no further action was required. This review and determination was coordinated with Santa Cruz County Environmental Health Department staff.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/02/1999
Comments: DTSC provided assistance to the Santa Cruz County.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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**127**
**NW**
**1/2-1**
**0.561 mi.**
**2964 ft.**

**355 HIGHLAND & HIGH ST.**
**SANTA CRUZ, CA 93117**

**Notify 65** **S100179110**
**N/A**

**Relative:**
**Higher**

**Actual:**
**141 ft.**

NOTIFY 65:
Name: Not reported
Address: 355 HIGHLAND & HIGH ST.
City,State,Zip: SANTA CRUZ, CA 93117
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported

**(Continued)** **S100179110**

Status: Not reported

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**AD128** **TIDEWATER ASSOCIATED OIL COMPANY #2** **ENVIROSTOR** **S101482445**
**NNW** **331 RIVER STREET** **N/A**
**1/2-1** **SANTA CRUZ, CA 95060**
**0.609 mi.**
**3215 ft.** **Site 1 of 2 in cluster AD**

**Relative:**
**Higher**

**Actual:**
**22 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | TIDEWATER ASSOCIATED OIL COMPANY #2 |
| Address: | 331 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44510011 |
| Status: | Refer: RWQCB |
| Status Date: | 08/18/1989 |
| Site Code: | Not reported |
| Site Type: | Historical |
| Site Type Detailed: | * Historical |
| Acres: | Not reported |
| NPL: | NO |
| Regulatory Agencies: | NONE SPECIFIED |
| Lead Agency: | NONE SPECIFIED |
| Program Manager: | Not reported |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | * Rural County Survey Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Not reported |
| Latitude: | 36.98115 |
| Longitude: | -122.0290 |
| APN: | NONE SPECIFIED |
| Past Use: | NONE SPECIFIED |
| Potential COC: | NONE SPECIFIED |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | NONE SPECIFIED |
| Alias Name: | 44510011 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Discovery |
| Completed Date: | 08/18/1989 |
| Comments: | FACILITY IDENTIFIED 1955 CITY DIRECTORY OIL PRODUCER AND SHIPPER |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |





**AD129** **STANDARD OIL COMPANY PLANT** **ENVIROSTOR** **S101482446**
**NNW** **326 RIVER STREET** **N/A**
**1/2-1** **SANTA CRUZ, CA 95060**
**0.615 mi.**
**3245 ft.** **Site 2 of 2 in cluster AD**

**Relative:**
**Higher**

**Actual:**
**21 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | STANDARD OIL COMPANY PLANT |
| Address: | 326 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44510013 |
| Status: | Refer: RWQCB |
| Status Date: | 08/18/1989 |
| Site Code: | Not reported |
| Site Type: | Historical |
| Site Type Detailed: | * Historical |
| Acres: | Not reported |
| NPL: | NO |
| Regulatory Agencies: | NONE SPECIFIED |
| Lead Agency: | NONE SPECIFIED |
| Program Manager: | Not reported |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | * Rural County Survey Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Not reported |
| Latitude: | 36.98107 |
| Longitude: | -122.0289 |
| APN: | NONE SPECIFIED |
| Past Use: | NONE SPECIFIED |
| Potential COC: | NONE SPECIFIED |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | NONE SPECIFIED |
| Alias Name: | 44510013 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Discovery |
| Completed Date: | 08/18/1989 |
| Comments: | FACILITY IDENTIFIED 1950 CITY DIRECTORY OIL PRODUCER AND SHIPPER |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

**130 SSW 1/2-1 0.646 mi. 3412 ft.** | **NEARY LAGOON SKATE PARK**
**INTERDECTION OF BAY ST. & CALIFORNIA ST.**
**SANTA CRUZ, CA 95060**

**ENVIROSTOR** **S107027327**
**VCP** **N/A**

**Relative: Higher**
**Actual: 16 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | NEARY LAGOON SKATE PARK |
| Address: | INTERDECTION OF BAY ST. & CALIFORNIA ST. |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44790002 |
| Status: | Refer: Other Agency |
| Status Date: | 01/06/2003 |
| Site Code: | 201375 |
| Site Type: | Voluntary Cleanup |
| Site Type Detailed: | Voluntary Cleanup |
| Acres: | 2.1 |
| NPL: | NO |
| Regulatory Agencies: | SMBRP, SANTA CRUZ COUNTY |
| Lead Agency: | SMBRP |
| Program Manager: | Not reported |
| Supervisor: | Denise Tsuji |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | Voluntary Cleanup Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Responsible Party |
| Latitude: | 36.9625 |
| Longitude: | -122.03 |
| APN: | NONE SPECIFIED |
| Past Use: | INCINERATOR - OTHER |
| Potential COC: | Lead TPH-diesel |
| Confirmed COC: | TPH-diesel Lead |
| Potential Description: | SOIL |
| Alias Name: | NEARY LAGOON SKATE PARK |
| Alias Type: | Alternate Name |
| Alias Name: | SANTA CRUZ SKATE PARK |
| Alias Type: | Alternate Name |
| Alias Name: | 110033611376 |
| Alias Type: | EPA (FRS #) |
| Alias Name: | 201375 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 44790002 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Standard Voluntary Agreement |
| Completed Date: | 03/13/2001 |
| Comments: | Signed VCA. DTSC will provide technical support to the County of Santa Cruz in addressing site contamination. |

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Site Characterization Report |
| Completed Date: | 11/28/2001 |
| Comments: | Not reported |





**NEARY LAGOON SKATE PARK (Continued)** **S107027327**

| | |
|---|---|
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

VCP:

| | |
|---|---|
| Name: | NEARY LAGOON SKATE PARK |
| Address: | INTERDECTION OF BAY ST. & CALIFORNIA ST. |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44790002 |
| Site Type: | Voluntary Cleanup |
| Site Type Detail: | Voluntary Cleanup |
| Site Mgmt. Req.: | NONE SPECIFIED |
| Acres: | 2.1 |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP, SANTA CRUZ COUNTY |
| Lead Agency: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Project Manager: | Not reported |
| Supervisor: | Denise Tsuji |
| Division Branch: | Cleanup Berkeley |
| Site Code: | 201375 |
| Assembly: | 29 |
| Senate: | 17 |
| Special Programs Code: | Voluntary Cleanup Program |
| Status: | Refer: Other Agency |
| Status Date: | 01/06/2003 |
| Restricted Use: | NO |
| Funding: | Responsible Party |
| Lat/Long: | 36.9625 / -122.03 |
| APN: | NONE SPECIFIED |
| Past Use: | INCINERATOR - OTHER |
| Potential COC: | 30013, 30024 |
| Confirmed COC: | 30024,30013 |
| Potential Description: | SOIL |
| Alias Name: | NEARY LAGOON SKATE PARK |
| Alias Type: | Alternate Name |
| Alias Name: | SANTA CRUZ SKATE PARK |
| Alias Type: | Alternate Name |
| Alias Name: | 110033611376 |
| Alias Type: | EPA (FRS #) |
| Alias Name: | 201375 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 44790002 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Standard Voluntary Agreement |
| Completed Date: | 03/13/2001 |
| Comments: | Signed VCA. DTSC will provide technical support to the County of |

**NEARY LAGOON SKATE PARK (Continued)** **S107027327**

Santa Cruz in addressing site contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/28/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

**131 NNW 1/2-1 0.687 mi. 3629 ft.**
**Relative: Higher**
**Actual: 41 ft.**

**CALIF RADIOGRAPHICS INC**
**375 CORAL ST**
**SANTA CRUZ, CA 95060**

**RCRA NonGen / NLR** **1000249800**
**FINDS** **CAD982482390**
**ECHO**
**HAZNET**
**HWP**
**CERS**
**HWTS**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 19890124 |
| Handler Name: | CALIF RADIOGRAPHICS INC |
| Handler Address: | 375 CORAL ST |
| Handler City,State,Zip: | SANTA CRUZ, CA 95060 |
| EPA ID: | CAD982482390 |
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | 375 CORAL ST |
| Contact City,State,Zip: | SANTA CRUZ, CA 95060 |
| Contact Telephone: | 408-425-0270 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 2 |
| Mailing Address: | 375 CORAL ST |
| Mailing City,State,Zip: | SANTA CRUZ, CA 95060 |
| Owner Name: | CALIF RADIOGRAPHICS INC |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | Yes |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20020917 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CALIF RADIOGRAPHICS INC |
| Legal Status: | Private |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19890124
Handler Name: CALIF RADIOGRAPHICS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950329
Actual Return to Compliance Date: 19950526
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19950329
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950329
Actual Return to Compliance Date: 19950526
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19950329
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19950329
Actual Return to Compliance Date: 19950526
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19950329
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19961017
Actual Return to Compliance Date: 19961119
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19961017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19950329
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950526
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950329
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950526
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950329
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950526
Scheduled Compliance Date: Not reported
Date of Request: Not reported

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| Evaluation Date: | 19961017 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | R9EPA |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19961119 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

FINDS:
Registry ID: 110002825934

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000249800 |
| Registry ID: | 110002825934 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002825934 |
| Name: | CALIF RADIOGRAPHICS INC |
| Address: | 375 CORAL ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |

HAZNET:

| | |
|---|---|
| Name: | CALIF RADIOGRAPHICS INC |
| Address: | 375 CORAL ST |
| Address 2: | Not reported |
| City,State,Zip: | SANTA CRUZ, CA 950600000 |
| Contact: | GEORGIA MEYER |
| Telephone: | 4084628399 |
| Mailing Name: | Not reported |
| Mailing Address: | 3335 SOQUEL DR |
| Year: | 2000 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAD991281767 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | D80 - Disposal, Land Fill |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Tons: | 0.06 |
| Year: | 1999 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAD991281767 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | - |
| Tons: | 0.015 |
| Year: | 1999 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAD991281767 |
| CA Waste Code: | 725 - Liquids with mercury >= 20 Mg./L |
| Disposal Method: | - |
| Tons: | 0.01 |
| Year: | 1997 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAD991281767 |
| CA Waste Code: | 551 - Laboratory waste chemicals |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.025 |
| Year: | 1996 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | CA0000084517 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.1251 |
| Year: | 1996 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | CAD070148432 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.0625 |
| Year: | 1996 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | CAD070148432 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.0625 |
| Year: | 1996 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAD000812909 |
| CA Waste Code: | 181 - Other inorganic solid waste |
| Disposal Method: | - |
| Tons: | 0.0417 |
| Year: | 1995 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | CAL000115947 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | R01 - Recycler |
| Tons: | 0 |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Year: | 1995 |
| Gepaid: | CAD982482390 |
| TSD EPA ID: | WAR000812909 |
| CA Waste Code: | 725 - Liquids with mercury >= 20 Mg./L |
| Disposal Method: | - |
| Tons: | 0.0417 |

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 2000 |
| Gen EPA ID: | CAD982482390 |
| Shipment Date: | 20000629 |
| Creation Date: | 8/28/2000 0:00:00 |
| Receipt Date: | 20000717 |
| Manifest ID: | 20278490 |
| Trans EPA ID: | CAR000052803 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | WAD991281767 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D009 |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 0.06 |
| Waste Quantity: | 120 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1994 |
| Gen EPA ID: | CAD982482390 |
| Shipment Date: | 19941228 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941228 |
| Manifest ID: | 95156408 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.6088 |
| Waste Quantity: | 146 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19941228 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941228 |
| Manifest ID: | 95156409 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.3169 |
| Waste Quantity: | 76 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19941221 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941221 |
| Manifest ID: | 95156401 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.5796 |
| Waste Quantity: | 139 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941220 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941220 |
| Manifest ID: | 95156400 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.3753 |
| Waste Quantity: | 90 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941216 |
| Creation Date: | 10/19/1995 0:00:00 |
| Receipt Date: | 19941216 |
| Manifest ID: | 93523596 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2627 |
| Waste Quantity: | 63 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941214 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 93523586 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.6588 |
| Waste Quantity: | 158 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941214 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | Not reported |
| Manifest ID: | 93523585 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.246 |
| Waste Quantity: | 59 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941207 |
| Creation Date: | 10/20/1995 0:00:00 |
| Receipt Date: | 19941208 |
| Manifest ID: | 95003804 |
| Trans EPA ID: | TXD988052494 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 343 - Unspecified organic liquid mixture |
| RCRA Code: | Not reported |
| Meth Code: | D99 - Disposal, Other |
| Quantity Tons: | 0.0136 |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Waste Quantity: | 4 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941207 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941207 |
| Manifest ID: | 93523546 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.7005 |
| Waste Quantity: | 168 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19941206 |
| Creation Date: | 3/28/1996 0:00:00 |
| Receipt Date: | 19941206 |
| Manifest ID: | 93523545 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.4545 |
| Waste Quantity: | 109 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Additional Info:

| | |
|---|---|
| Year: | 1996 |
| Gen EPA ID: | CAD982482390 |
| | |
| Shipment Date: | 19960605 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19960607 |
| Manifest ID: | 96072395 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CA0000084517 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960311 |
| Creation Date: | 10/4/1996 0:00:00 |
| Receipt Date: | 19960313 |
| Manifest ID: | 95959027 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD070148432 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.0625 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19960119 |
| Creation Date: | 10/10/1996 0:00:00 |
| Receipt Date: | 19960123 |
| Manifest ID: | 95981618 |
| Trans EPA ID: | ILD984908202 |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD070148432 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0625 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19960109 |
| Creation Date: | 9/18/1996 0:00:00 |
| Receipt Date: | 19960118 |
| Manifest ID: | 95906124 |
| Trans EPA ID: | CAD982495608 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | WAR700001743 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | WAD000812909 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0417 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAD982482390 |

| | |
|---|---|
| Shipment Date: | 19970822 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19970901 |
| Manifest ID: | 96001371 |
| Trans EPA ID: | WAR000001743 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | WAD991281767 |
| Trans Name: | Not reported |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 551 - Laboratory waste chemicals 561 Detergent and soap |
| RCRA Code: | D009 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.025 |
| Waste Quantity: | 50 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAD982482390 |

| | |
|---|---|
| Shipment Date: | 19990914 |
| Creation Date: | 12/16/1999 0:00:00 |
| Receipt Date: | 19991007 |
| Manifest ID: | 99427291 |
| Trans EPA ID: | CAD063547996 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | WAD991281767 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D008 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.015 |
| Waste Quantity: | 30 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19990914 |
| Creation Date: | 12/16/1999 0:00:00 |
| Receipt Date: | 19991007 |
| Manifest ID: | 99427291 |
| Trans EPA ID: | CAD063547996 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | WAD991281767 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 725 - Liquids with mercury > 20 mg/l |
| RCRA Code: | D009 |
| Meth Code: | - Not reported |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1995
Gen EPA ID: CAD982482390

Shipment Date: 19951129
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951212
Manifest ID: 93729644
Trans EPA ID: CAD982495608
Trans Name: Not reported
Trans 2 EPA ID: WAR000001743
Trans 2 Name: Not reported
TSDF EPA ID: WAR000812909
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 725 - Liquids with mercury > 20 mg/l
RCRA Code: D009
Meth Code: - Not reported
Quantity Tons: 0.0417
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19951115
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951115
Manifest ID: 95665799
Trans EPA ID: CAO000183137
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD003963592
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.9174
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19951115
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951115
Manifest ID: 95665802
Trans EPA ID: CA0000183137
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000115947
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0
Waste Quantity: 0
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19951115
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951115
Manifest ID: 95665802
Trans EPA ID: CA0000183137
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000115947
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0
Waste Quantity: 0
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19951115
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951115
Manifest ID: 95665799
Trans EPA ID: CAO000183137

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD003963592 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19951115 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951115 |
| Manifest ID: | 95665802 |
| Trans EPA ID: | CA0000183137 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAL000115947 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19951020 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951027 |
| Manifest ID: | 95480963 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | ILD984908202 |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1042 |
| Waste Quantity: | 25 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950913 |
| Creation Date: | 4/3/1996 0:00:00 |
| Receipt Date: | 19950920 |
| Manifest ID: | 95665683 |
| Trans EPA ID: | UTD988072401 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | NMD097970065 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.3753 |
| Waste Quantity: | 90 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19950913 |
| Creation Date: | 4/3/1996 0:00:00 |
| Receipt Date: | 19950920 |
| Manifest ID: | 95665683 |
| Trans EPA ID: | UTD988072401 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | NMD097970065 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1251 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Shipment Date: | 19950913 |
| Creation Date: | 4/3/1996 0:00:00 |
| Receipt Date: | 19950920 |
| Manifest ID: | 95665683 |
| Trans EPA ID: | UTD988072401 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | NMD097970065 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.0417 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Additional Info:

| | |
|---|---|
| Year: | 1993 |
| Gen EPA ID: | CAD982482390 |

| | |
|---|---|
| Shipment Date: | 19931229 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931229 |
| Manifest ID: | 93056517 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.4878 |
| Waste Quantity: | 117 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19931228 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931228 |
| Manifest ID: | 93056516 |
| Trans EPA ID: | CAD982482390 |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.3961 |
| Waste Quantity: | 95 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19931222 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931222 |
| Manifest ID: | 93056500 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.6046 |
| Waste Quantity: | 145 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

| | |
|---|---|
| Shipment Date: | 19931221 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931221 |
| Manifest ID: | 93056487 |
| Trans EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD982482390 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD982482390 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931216 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931220 |
| Manifest ID: | 93335652 |
| Trans EPA ID: | TXD988052494 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 551 - Laboratory waste chemicals 561 Detergent and soap |
| RCRA Code: | D009 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.01 |
| Waste Quantity: | 20 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931216 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931220 |
| Manifest ID: | 93335652 |
| Trans EPA ID: | TXD988052494 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 551 - Laboratory waste chemicals 561 Detergent and soap |
| RCRA Code: | D009 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.026 |
| Waste Quantity: | 52 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Shipment Date: | 19931216 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931220 |
| Manifest ID: | 93335652 |
| Trans EPA ID: | TXD988052494 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | - Not reported |
| RCRA Code: | D009 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931216 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931220 |
| Manifest ID: | 93335652 |
| Trans EPA ID: | TXD988052494 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD059494310 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD059494310 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 551 - Laboratory waste chemicals 561 Detergent and soap |
| RCRA Code: | D006 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| | |
| Shipment Date: | 19931215 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931216 |
| Manifest ID: | 93056498 |
| Trans EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

| | |
|---|---|
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD070148432 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.02 |
| Waste Quantity: | 40 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19931215 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931216 |
| Manifest ID: | 93056498 |
| Trans EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAD070148432 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | CAD070148432 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | T03 - Treatment, Incineration |
| Quantity Tons: | 0.031 |
| Waste Quantity: | 62 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

HWP:

| | |
|---|---|
| EPA ID: | CAD982482390 |
| Name: | CALIF RADIOGRAPHICS INC |
| Address: | 375 CORAL ST |
| Cleanup Status: | CLOSED |
| Latitude: | 36.98149 |
| Longitude: | -122.0335 |
| Facility Type: | Historical - Non-Operating |
| Facility Size: | Not reported |
| Supervisor: | Not reported |
| Site Code: | Not reported |
| Senate District: | 17 |
| Assembly District: | 29 |
| Public Information Officer: | Not reported |
| Commercial Offsite Facility Types: | Not reported |
| Quarterly Update: | Calif Radiographics Inc (CRI) originally operated under a Standardized Permit and was granted Interim Status on 5/27/1994 to the EPA ID# CAD982482390. CRI receives silver bearing spent photographic solution |





**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

from customers that they then extract silver sludge from that they send to a precious metal refiner. CRI operated at 375 Coral St, Santa Cruz until their lease was up and they decided to move their facility to 3335 Soquel Dr, Soquel and applied for a new EPA ID# CAL000115947. CRI submitted a Closure Plan for their Santa Cruz location which was approved and operations seemed to continue at their new site though it is unclear whether the Soquel location ever obtained a permit. There is no information about either location after 1995, but SB 2111 came out after that which states silver only sites will no longer be regulated after January 1, 1999. Both facilities will no longer be subject to Hazardous Waste Permit and closure requirements. Therefore, both locations and EPA ID's for CRI are were closed as they are not longer regulated under Hazardous Waste requirements.

| | |
|---|---|
| Project Manager Lead: | Not reported |
| Project Manager: | Not reported |
| Permit Type: | Standardized |
| Permit Effective Date: | Not reported |
| Permit Expiration Date: | Not reported |
| Calenviroscreen Score: | 31-35% |
| Total Planned Hours: | Not reported |
| Total Planned Amount: | Not reported |
| Total Actual Hours: | Not reported |

Closure:

| | |
|---|---|
| EPA ID: | CAD982482390 |
| Facility Type: | Historical - Non-Operating |
| Facility Name: | CALIF RADIOGRAPHICS INC |
| Project Manager: | Not reported |
| Project Manager Lead: | Not reported |
| Supervisor: | Not reported |
| Facility Size: | Not reported |
| Facility Status: | CLOSED |
| Activity Type: | Closure Administrative |
| Final Date: | Not reported |
| Type: | STND |
| Title Description: | Closure of Silver Only Facility |
| Due Date: | Not reported |
| Comments: | Per SB 2111, Facility is no longer subject to Haz Waste Permit & Closure Requirements |
| Unit Names: | Unit1 |
| Event Description: | Closure Administrative - ISSUE CLOSURE VERIFICATION |
| Actual Date: | 11/20/2018 |

Alias:

| | |
|---|---|
| EPA ID: | CAD982482390 |
| Facility Type: | Historical - Non-Operating |
| Facility Name: | CALIF RADIOGRAPHICS INC |
| Facility Status: | CLOSED |
| Project Manager: | Not reported |
| Project Manager Lead: | Not reported |
| Supervisor: | Not reported |
| Alias Type: | FRS |
| Alias: | 110002825934 |

CERS:

| | |
|---|---|
| Name: | CALIF RADIOGRAPHICS INC |

**CALIF RADIOGRAPHICS INC (Continued)** **1000249800**

Address: 375 CORAL ST
City,State,Zip: SANTA CRUZ, CA 950600000
Site ID: 226694
CERS ID: CAD982482390
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: KENNETH HENTON
Entity Title: Not reported
Affiliation Address: 3335 SOQUEL DR
Affiliation City: SOQUEL
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 950732053
Affiliation Phone: 0000000000,

Affiliation Type Desc: Facility Contact
Entity Name: GEORGIA MEYER
Entity Title: Not reported
Affiliation Address: INACTIVE PER VQ00 - BMI
Affiliation City: SOQUEL
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 950732053
Affiliation Phone: 4084628399,

HWTS:
Name: CALIF RADIOGRAPHICS INC
Address: 375 CORAL ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950600000
EPA ID: CAD982482390
Inactive Date: 06/30/2000
Create Date: 06/15/1989
Last Act Date: 03/28/2005
Mailing Name: Not reported
Mailing Address: 3335 SOQUEL DR
Mailing Address 2: Not reported
Mailing City,State,Zip: SOQUEL, CA 950732053
Owner Name: KENNETH HENTON
Owner Address: 3335 SOQUEL DR
Owner Address 2: Not reported
Owner City,State,Zip: SOQUEL, CA 950732053
Contact Name: GEORGIA MEYER
Contact Address: INACTIVE PER VQ00 - BMI
Contact Address 2: Not reported
City,State,Zip: SOQUEL, CA 950732053





**132 NNE 1/2-1 0.814 mi. 4300 ft.** **BEI-SCOTT COMPANY LLC**
**1400 OCEAN ST**
**SANTA CRUZ, CA 95060**
**HAZNET** **S100179466**
**Notify 65** **N/A**
**HWTS**

**Relative: Higher**
**Actual: 33 ft.**

HAZNET:
Name: BEI-SCOTT COMPANY LLC
Address: 1400 OCEAN ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950602825
Contact: NORMAN BEI
Telephone: 8314234181
Mailing Name: Not reported
Mailing Address: 410 MAY AVE STE 1

Year: 2016
Gepaid: CAC002859507
TSD EPA ID: CAD009466392
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: H129 - Other Treatment
Tons: 1

NOTIFY 65:
Name: CITY OF SANTA CRUZ
Address: 1400 OCEAN STREET
City,State,Zip: SANTA CRUZ, CA 93117
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

HWTS:
Name: BEI-SCOTT COMPANY LLC
Address: 1400 OCEAN ST
Address 2: Not reported
City,State,Zip: SANTA CRUZ, CA 950602825
EPA ID: CAC002859507
Inactive Date: 08/04/2016
Create Date: 05/04/2016
Last Act Date: 08/04/2016
Mailing Name: Not reported
Mailing Address: 410 MAY AVE STE 1
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA CRUZ, CA 950602968
Owner Name: BEI-SCOTT COMPANY LLC
Owner Address: 410 MAY AVE STE 1
Owner Address 2: Not reported
Owner City,State,Zip: SANTA CRUZ, CA 950602968
Contact Name: NORMAN BEI
Contact Address: 410 MAY AVE STE 1
Contact Address 2: Not reported

**BEI-SCOTT COMPANY LLC (Continued)** **S100179466**

City,State,Zip: SANTA CRUZ, CA 950602968

NAICS:

| | |
|---|---|
| EPA ID: | CAC002859507 |
| Create Date: | 2016-05-04 12:59:11.457 |
| NAICS Code: | 99999 |
| NAICS Description: | Not Otherwise Specified |
| Issued EPA ID Date: | 2016-05-04 12:59:11.45700 |
| Inactive Date: | 2016-08-04 03:00:15.45700 |
| Facility Name: | BEI-SCOTT COMPANY LLC |
| Facility Address: | 1400 OCEAN ST |
| Facility Address 2: | Not reported |
| Facility City: | SANTA CRUZ |
| Facility County: | Not reported |
| Facility State: | CA |
| Facility Zip: | 950602825 |

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**133 NNW 1/2-1 0.920 mi. 4860 ft.** **TEXAS COMPANY, THE** **136 CORAL STREET** **SANTA CRUZ, CA 95060** **ENVIROSTOR** **S100183177** **N/A**

**Relative: Higher**

**Actual: 41 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | TEXAS COMPANY, THE |
| Address: | 136 CORAL STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 44510010 |
| Status: | Refer: RWQCB |
| Status Date: | 08/18/1989 |
| Site Code: | Not reported |
| Site Type: | Historical |
| Site Type Detailed: | * Historical |
| Acres: | Not reported |
| NPL: | NO |
| Regulatory Agencies: | NONE SPECIFIED |
| Lead Agency: | NONE SPECIFIED |
| Program Manager: | Not reported |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | * Rural County Survey Program |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Not reported |
| Latitude: | 36.98519 |
| Longitude: | -122.0314 |
| APN: | 009-022-21 |
| Past Use: | NONE SPECIFIED |
| Potential COC: | NONE SPECIFIED |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | NONE SPECIFIED |
| Alias Name: | U-PUMP |
| Alias Type: | Alternate Name |
| Alias Name: | 009-022-21 |
| Alias Type: | APN |





**TEXAS COMPANY, THE (Continued)** **S100183177**

| | |
|---|---|
| Alias Name: | 44510010 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Discovery |
| Completed Date: | 08/18/1989 |
| Comments: | FACILITY IDENTIFIED 1955 CITY DIRECTORY OIL PRODUCER AND SHIPPER |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

---

**134 North 1/2-1 0.927 mi. 4895 ft.** **SALZ LEATHERS RAW IMPLEMANTATION** **1040 RIVER STREET** **SANTA CRUZ, CA 95060** **ENVIROSTOR** **LUST** **CPS-SLIC** **VCP** **HIST UST** **DEED** **Cortese** **EMI** **NPDES** **CERS** **1002850371** **N/A**

**Relative: Higher**

**Actual: 20 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | SALZ LEATHERS INC |
| Address: | 1040 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 1310005 |
| Status: | Certified / Operation & Maintenance |
| Status Date: | 07/27/2007 |
| Site Code: | 201539 |
| Site Type: | Voluntary Cleanup |
| Site Type Detailed: | Voluntary Cleanup |
| Acres: | 8.3 |
| NPL: | NO |
| Regulatory Agencies: | SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY |
| Lead Agency: | SMBRP |
| Program Manager: | Jovanne Villamater |
| Supervisor: | Julie Pettijohn |
| Division Branch: | Cleanup Berkeley |
| Assembly: | 29 |
| Senate: | 17 |
| Special Program: | Voluntary Cleanup Program |
| Restricted Use: | YES |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | Responsible Party |
| Latitude: | 36.98747 |
| Longitude: | -122.0295 |
| APN: | 008-032-04, 008-163-05, 008-172-18 |
| Past Use: | MANUFACTURING - LEATHER |

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Potential COC: Arsenic TPH-diesel TPH-MOTOR OIL Chromium VI 1,2-Dichloroethylene (cis
Confirmed COC: TPH-diesel Chromium VI 1,2-Dichloroethylene (cis Arsenic TPH-MOTOR OIL
Potential Description: OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: SALZ LEATHERS, INC.
Address: 1040 RIVER STREET
City,State,Zip: SANTA CRUZ, CA 95060
Facility ID: 71002271
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Assembly: 29
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.98771
Longitude: -122.0299
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD009182981
Alias Type: EPA Identification Number
Alias Name: 110000484495
Alias Type: EPA (FRS #)





**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Alias Name: SLT3S0461294
Alias Type: GeoTracker Global ID
Alias Name: 71002271
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: SALZ LEATHERS
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700062
Global Id: T0608700062
Latitude: 36.98566
Longitude: -122.029252
Status: Completed - Case Closed
Status Date: 01/01/2006
Case Worker: TT
RB Case Number: 2412
Local Agency: Not reported
File Location: Not reported
Local Case Number: 2030070
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700062
Contact Type: Regional Board Caseworker
Contact Name: THEA TRYON
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 805 AEROVISTA PLACE, SUITE 101
City: SAN LUIS OBSIPO
Email: ttryon@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0608700062
Action Type: RESPONSE
Date: 07/20/2002

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Action: Monitoring Report - Quarterly

Global Id: T0608700062
Action Type: RESPONSE
Date: 11/12/2002
Action: Other Workplan

Global Id: T0608700062
Action Type: ENFORCEMENT
Date: 01/31/2003
Action: Staff Letter

Global Id: T0608700062
Action Type: ENFORCEMENT
Date: 06/04/1996
Action: Staff Letter

Global Id: T0608700062
Action Type: Other
Date: 01/18/1994
Action: Leak Reported

LUST:
Global Id: T0608700062
Status: Open - Case Begin Date
Status Date: 01/18/1994

Global Id: T0608700062
Status: Open - Verification Monitoring
Status Date: 03/31/1997

Global Id: T0608700062
Status: Completed - Case Closed
Status Date: 01/01/2006

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700062
Status: Post remedial action monitoring
Case Number: 2412
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: OM
Release Date: 01/18/1994
Discovered Date: Not reported
Enter Date: 01/14/1994
Stop Date: Not reported





**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Review Date: 09/24/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: WARD ALKSNE
RP Address: PO BOX 1840
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: TAS
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 03/31/1997
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: C
Max MTBE Grnd Wtr: 92
Max MTBE Soil: Not reported
Max MTBE Data: 06/18/2001
MTBE Tested: YES
Lat/Long: 36.987324 / -122.0301342
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 5
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 4.11
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: BILL KOCHER
Well Name: TAIT ST WELL 03
Distance From Well: 0
Assigned Name: 11S/02W-12C03 M
Summary: GASOLINE CONTAMINATION FROM LEAKING TANKS, SOLVENTS CONTAMINATION FROM PAST PRACTICES. MW-1 HAS 60 PPB 1-2-DCE, MW-5 HAS 24 PPB MTBE.

SLIC REG 3:
Name: SALZ LEATHERS
Address: 1040 RIVER ST
City: SANTA CRUZ
Region: 3
Leak Site Cross Street: Not reported
Regional Board Case#: SLT3S046
Entered Into Database: Not reported
Discovered: RPR
RB Case In: BLANK RP725
Responsible Party: BLANK RP
RP Contact: Not reported

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

| | |
|---|---|
| RP Phone: | Not reported |
| RP Number: | Not reported |
| RP Address: | Not reported |
| RP City,St,Zip: | BCP UNKNOWN |
| Date First Reported: | Not reported |
| Lead Agency: | Not reported |
| Program Type: | SLIC |
| Facility Status: | Post Remediation Action Monitoring |
| Case Type: | F,O |
| Case Type Undetermined: | No |
| Case Type Soil Impacted: | No |
| Case Type Surface Water: | Yes |
| Case Type Drinkin Water Well: | No |
| Case Type Drinking Water Aqfr: | No |
| Case Type Other Grnd Wtr: | Yes |
| PCA: | Not reported |

CPS-SLIC:

| | |
|---|---|
| Name: | SALZ LEATHERS |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA |
| Region: | STATE |
| **Facility Status:** | **Open - Verification Monitoring** |
| Status Date: | 02/23/2010 |
| Global Id: | SLT3S0461294 |
| Lead Agency: | DEPARTMENT OF TOXIC SUBSTANCES CONTROL |
| Lead Agency Case Number: | 71002271 |
| Latitude: | 36.986733 |
| Longitude: | -122.029131 |
| Case Type: | Cleanup Program Site |
| Case Worker: | JV |
| Local Agency: | DEPARTMENT OF TOXIC SUBSTANCES CONTROL |
| RB Case Number: | SLT3S046 |
| File Location: | Regional Board |
| Potential Media Affected: | Surface water, Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Not reported |
| Site History: | Not reported |

Click here to access the California GeoTracker records for this facility:

VCP:

| | |
|---|---|
| Name: | SALZ LEATHERS INC |
| Address: | 1040 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility ID: | 1310005 |
| Site Type: | Voluntary Cleanup |
| Site Type Detail: | Voluntary Cleanup |
| Site Mgmt. Req.: | NONE SPECIFIED |
| Acres: | 8.3 |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP, RWQCB 3 - Central Coast, SANTA CRUZ COUNTY |
| Lead Agency: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Project Manager: | Jovanne Villamater |
| Supervisor: | Julie Pettijohn |
| Division Branch: | Cleanup Berkeley |





**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

| | |
|---|---|
| Site Code: | 201539 |
| Assembly: | 29 |
| Senate: | 17 |
| Special Programs Code: | Voluntary Cleanup Program |
| Status: | Certified / Operation & Maintenance |
| Status Date: | 07/27/2007 |
| Restricted Use: | YES |
| Funding: | Responsible Party |
| Lat/Long: | 36.98747 / -122.0295 |
| APN: | 008-032-04, 008-163-05, 008-172-18 |
| Past Use: | MANUFACTURING - LEATHER |
| Potential COC: | 30001, 30024, 3002502, 30153, 30195 |
| Confirmed COC: | 30024,30153,30195,30001,3002502 |
| Potential Description: | OTH, SOIL |
| Alias Name: | Not reported |
| Alias Type: | Not reported |

Completed Info:

| | |
|---|---|
| Completed Area Name: | Not reported |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Not reported |
| Completed Date: | Not reported |
| Comments: | Not reported |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

HIST UST:

| | |
|---|---|
| Name: | SALZ LEATHERS INC |
| Address: | 1040 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| File Number: | 00020CA0 |
| URL: | http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020CA0.pdf |
| Region: | Not reported |
| Facility ID: | Not reported |
| Facility Type: | Not reported |
| Other Type: | Not reported |
| Contact Name: | Not reported |
| Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City,St,Zip: | Not reported |
| Total Tanks: | Not reported |
| Tank Num: | Not reported |
| Container Num: | Not reported |
| Year Installed: | Not reported |
| Tank Capacity: | Not reported |
| Tank Used for: | Not reported |
| Type of Fuel: | Not reported |

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

DEED:
Name: SALZ LEATHERS INC
Address: 1040 RIVER STREET
City,State,Zip: SANTA CRUZ, CA 95060
Envirostor ID: 1310005
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 07/20/2007
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: SALZ LEATHERS
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608700062
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

EMI:
Name: SALZ LEATHERS INC.
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Year: 1990
County Code: 44
Air Basin: NCC
Facility ID: 18
Air District Name: MBU
SIC Code: 3111
Air District Name: MONTEREY BAY UNIFIED APCD





**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 197
Reactive Organic Gases Tons/Yr: 173
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: SALZ LEATHERS INC.
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Year: 1995
County Code: 44
Air Basin: NCC
Facility ID: 18
Air District Name: MBU
SIC Code: 3111
Air District Name: MONTEREY BAY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 125
Reactive Organic Gases Tons/Yr: 124
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 16
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9

Name: SALZ LEATHERS INC.
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Year: 1996
County Code: 44
Air Basin: NCC
Facility ID: 18
Air District Name: MBU
SIC Code: 3111
Air District Name: MONTEREY BAY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 104
Reactive Organic Gases Tons/Yr: 103
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SALZ LEATHERS INC.
Address: 1040 RIVER ST
City,State,Zip: SANTA CRUZ, CA 95060
Year: 1997
County Code: 44
Air Basin: NCC
Facility ID: 18

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

| | |
|---|---|
| Air District Name: | MBU |
| SIC Code: | 3111 |
| Air District Name: | MONTEREY BAY UNIFIED APCD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 72 |
| Reactive Organic Gases Tons/Yr: | 71 |
| Carbon Monoxide Emissions Tons/Yr: | 3 |
| NOX - Oxides of Nitrogen Tons/Yr: | 1 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | SALZ LEATHERS INC. |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Year: | 1998 |
| County Code: | 44 |
| Air Basin: | NCC |
| Facility ID: | 18 |
| Air District Name: | MBU |
| SIC Code: | 3111 |
| Air District Name: | MONTEREY BAY UNIFIED APCD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 58 |
| Reactive Organic Gases Tons/Yr: | 57 |
| Carbon Monoxide Emissions Tons/Yr: | 3 |
| NOX - Oxides of Nitrogen Tons/Yr: | 1 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | SALZ LEATHERS INC. |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Year: | 1999 |
| County Code: | 44 |
| Air Basin: | NCC |
| Facility ID: | 18 |
| Air District Name: | MBU |
| SIC Code: | 3111 |
| Air District Name: | MONTEREY BAY UNIFIED APCD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 62 |
| Reactive Organic Gases Tons/Yr: | 62 |
| Carbon Monoxide Emissions Tons/Yr: | 2 |
| NOX - Oxides of Nitrogen Tons/Yr: | 1 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | SALZ LEATHERS INC. |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Year: | 2000 |





**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

| | |
|---|---|
| County Code: | 44 |
| Air Basin: | NCC |
| Facility ID: | 18 |
| Air District Name: | MBU |
| SIC Code: | 3111 |
| Air District Name: | MONTEREY BAY UNIFIED APCD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 60 |
| Reactive Organic Gases Tons/Yr: | 59 |
| Carbon Monoxide Emissions Tons/Yr: | 3 |
| NOX - Oxides of Nitrogen Tons/Yr: | 1 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

NPDES:

| | |
|---|---|
| Name: | SALZ LEATHERS RAW IMPLEMANTATION |
| Address: | 1040 RIVER STREET |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Facility Status: | Not reported |
| NPDES Number: | Not reported |
| Region: | Not reported |
| Agency Number: | Not reported |
| Regulatory Measure ID: | Not reported |
| Place ID: | Not reported |
| Order Number: | Not reported |
| WDID: | Not reported |
| Regulatory Measure Type: | Construction |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Discharge Address: | Not reported |
| Discharge Name: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Status: | Returned |
| Status Date: | 04/19/2006 |
| Operator Name: | Salz Leathers Inc |
| Operator Address: | 43 Hollins Drive |
| Operator City: | Santa Cruz |
| Operator State: | California |
| Operator Zip: | 95060 |

CERS:

| | |
|---|---|
| Name: | SALZ LEATHERS |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA |
| Site ID: | 227445 |
| CERS ID: | SLT3S0461294 |
| CERS Description: | Cleanup Program Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |

**SALZ LEATHERS RAW IMPLEMANTATION (Continued)** **1002850371**

| | |
|---|---|
| Entity Name: | WEI LIU - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 895 AEROVISTA PLACE, SUITE 101 |
| Affiliation City: | SAN LUIS OBISPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | 8055493147, |

| | |
|---|---|
| Name: | SALZ LEATHERS |
| Address: | 1040 RIVER ST |
| City,State,Zip: | SANTA CRUZ, CA 95060 |
| Site ID: | 255728 |
| CERS ID: | T0608700062 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | THEA TRYON - CENTRAL COAST RWQCB (REGION 3) |
| Entity Title: | Not reported |
| Affiliation Address: | 805 AEROVISTA PLACE, SUITE 101 |
| Affiliation City: | SAN LUIS OBSIPO |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | Not reported |
| Affiliation Phone: | , |



Count: 3 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| APTOS | S103291480 | SCCSD RIO DEL MAR PUMP STATION | END OF CLIFF DR | 95060 | LUST, Cortese |
| RIO DEL MAR | S103291443 | SCCSD RIO PUMPING STATION | CLIFF DR | 95062 | LUST, Cortese, HIST CORTESE |
| SANTA CRUZ | S100183179 | UNION OIL COMPANY #1 | 318 AMAT STREET | 95060 | ENVIROSTOR |

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS**

***Lists of Federal NPL (Superfund) sites***

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.





Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Lists of Federal Delisted NPL sites***

Delisted NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System
SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

***Lists of Federal RCRA generators***

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly





RCRA-SQG: RCRA - Small Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 85
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

***Lists of state- and tribal (Superfund) equivalent sites***

RESPONSE: State Response Sites
Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

***Lists of state- and tribal hazardous waste facilities***

ENVIROSTOR: EnviroStor Database
The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87
Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

***Lists of state and tribal leaking storage tanks***





LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies





INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned





SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

***Lists of state and tribal registered storage tanks***

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/20/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies





INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

***Lists of state and tribal voluntary cleanup sites***

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

***Lists of state and tribal brownfield sites***

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.





Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85
Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.





Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing
A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing
Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

***Local Lists of Registered Storage Tanks***

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

***Local Land Records***

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing





Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/14/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Annually

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned





PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/27/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.





Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90
Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program
DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.





Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.





Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/05/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/05/2021
Date Made Active in Reports: 12/22/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly





MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.





Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data





Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196
Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**COUNTY RECORDS**

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 75
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83
Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:





CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106
Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84
Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78
Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/22/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 85
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83
Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/21/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INYO COUNTY:



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/22/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 10/08/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies





LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/04/2022
Number of Days to Update: 83

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/04/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.





Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:





CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8
Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86
Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78
Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

VENTURA COUNTY:





BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 79

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/21/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 84

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 78

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually



GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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## GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

2T158 DOWNTOWN LIBRARY ESA
113 LINCOLN STREET
SANTA CRUZ, CA 95060

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 36.97206 - 36ˆ 58' 19.42'' |
| Longitude (West): | 122.02653 - 122ˆ 1' 35.51'' |
| Universal Tranverse Mercator: | Zone 10 |
| UTM X (Meters): | 586650.5 |
| UTM Y (Meters): | 4092012.5 |
| Elevation: | 14 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 12007839 SANTA CRUZ, CA |
| Version Date: | 2018 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

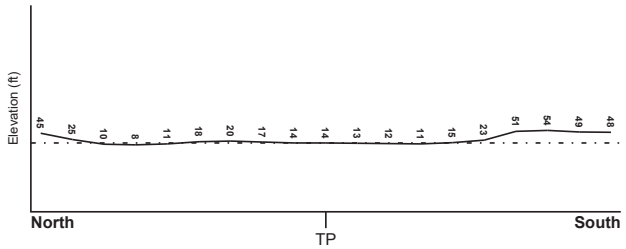
**TOPOGRAPHIC INFORMATION**

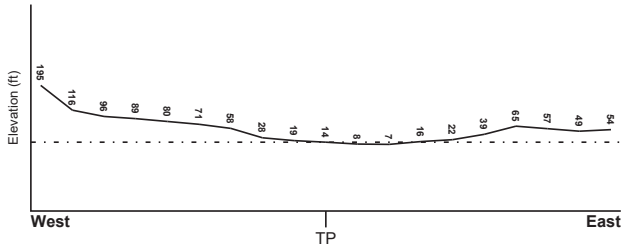
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

General Topographic Gradient: General ESE

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




**Target Property Elevation: 14 ft.**

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

| Flood Plain Panel at Target Property | FEMA Source Type |
|---|---|
| 06087C0332E | FEMA FIRM Flood data |

| Additional Panels in search area: | FEMA Source Type |
|---|---|
| 06087C0331E | FEMA FIRM Flood data |
| 06087C0333E | FEMA FIRM Flood data |
| 06087C0334E | FEMA FIRM Flood data |

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| SANTA CRUZ | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

Search Radius: 1.25 miles
Status: Not found

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| 89 | 1/4 - 1/2 Mile North | N, S |
| 1G | 1/4 - 1/2 Mile North | N, S |

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site–specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

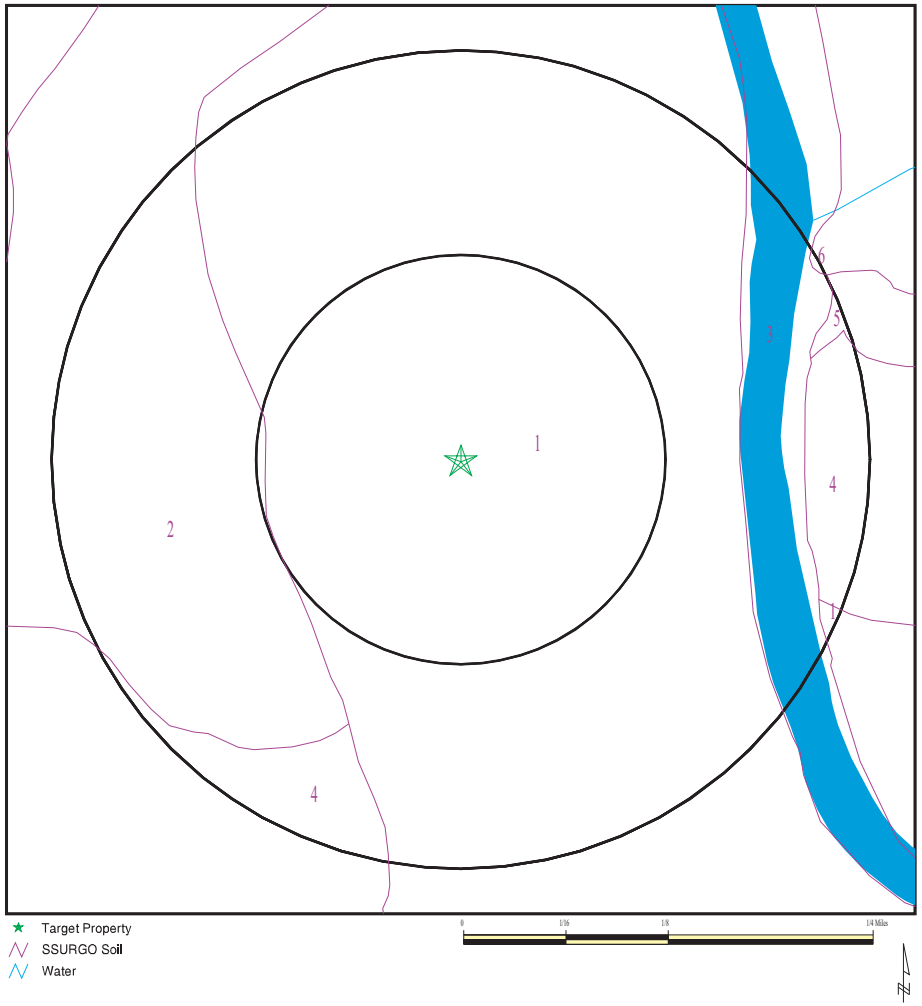
Era: Cenozoic
System: Tertiary
Series: Miocene
Code: Tm *(decoded above as Era, System & Series)*

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## SSURGO SOIL MAP - 6833160.2s




Target Property
SSURGO Soil
Water

| | |
|---|---|
| SITE NAME: 2T158 Downtown Library ESA<br>ADDRESS: 113 Lincoln Street<br>Santa Cruz CA 95060<br>LAT/LONG: 36.97206 / 122.02653 | CLIENT: Weber, Hayes, & Associates<br>CONTACT: Shaun Ersoy<br>INQUIRY #: 6833160.2s<br>DATE: January 25, 2022 6:01 pm |

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**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

**Soil Map ID: 1**

Soil Component Name: BAYWOOD

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 16 inches | loamy sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 7.3 Min: 5.6 |
| 2 | 16 inches | 61 inches | loamy sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 7.3 Min: 5.6 |

**Soil Map ID: 2**

Soil Component Name: SOQUEL

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained





Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 20 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |
| 2 | 20 inches | 37 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |
| 3 | 37 inches | 51 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |
| 4 | 51 inches | 61 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |

**Soil Map ID: 3**

Soil Component Name: Water

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

**Soil Map ID: 4**

Soil Component Name: SOQUEL

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 20 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |





**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 2 | 20 inches | 37 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |
| 3 | 37 inches | 51 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |
| 4 | 51 inches | 61 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4 Min: 1.4 | Max: 7.3 Min: 5.6 |

**Soil Map ID: 5**

Soil Component Name: WATSONVILLE

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 114 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 18 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 2 | 18 inches | 38 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |
| 3 | 38 inches | 62 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 5.6 |

**Soil Map ID: 6**

Soil Component Name: BAYWOOD

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches



GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 16 inches | loamy sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 7.3 Min: 5.6 |
| 2 | 16 inches | 61 inches | loamy sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 7.3 Min: 5.6 |

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No Wells Found | | |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 41 | CA2702182 | 1/4 - 1/2 Mile WNW |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | CAEDF0000099488 | 0 - 1/8 Mile ESE |
| A2 | CAEDF0000041896 | 0 - 1/8 Mile ESE |
| A3 | CAEDF0000003207 | 0 - 1/8 Mile ESE |
| A4 | CAEDF0000017092 | 0 - 1/8 Mile ESE |
| A5 | CAEDF0000112718 | 0 - 1/8 Mile ESE |
| B6 | CAEDF0000059163 | 0 - 1/8 Mile NE |
| C7 | CAEDF0000102301 | 0 - 1/8 Mile NNW |
| B8 | CAEDF0000140670 | 1/8 - 1/4 Mile NE |
| C9 | CAEDF0000051404 | 1/8 - 1/4 Mile NNW |
| C10 | CAEDF0000037400 | 1/8 - 1/4 Mile NNW |
| B11 | CAEDF0000091474 | 1/8 - 1/4 Mile ENE |
| B12 | CAEDF0000130665 | 1/8 - 1/4 Mile NE |
| B13 | CAEDF0000135673 | 1/8 - 1/4 Mile NE |
| B14 | CAEDF0000007485 | 1/8 - 1/4 Mile NE |
| C15 | CAEDF0000039172 | 1/8 - 1/4 Mile NNW |
| B16 | CAEDF0000139730 | 1/8 - 1/4 Mile NNE |
| C17 | CAEDF0000053688 | 1/8 - 1/4 Mile NNW |
| B18 | CAEDF0000051945 | 1/8 - 1/4 Mile NE |
| D19 | CAEDF0000098483 | 1/8 - 1/4 Mile SE |
| B20 | CAEDF0000067488 | 1/8 - 1/4 Mile ENE |
| B21 | CAEDF0000004689 | 1/8 - 1/4 Mile NNE |
| D22 | CAEDF0000038248 | 1/8 - 1/4 Mile SE |
| D23 | CAEDF0000022485 | 1/8 - 1/4 Mile SE |
| B24 | CAEDF0000104592 | 1/8 - 1/4 Mile NE |
| D25 | CAEDF0000134575 | 1/8 - 1/4 Mile SE |
| D26 | CAEDF0000104128 | 1/8 - 1/4 Mile SE |
| D27 | CAEDF0000022554 | 1/8 - 1/4 Mile SE |
| D28 | CAEDF0000007183 | 1/8 - 1/4 Mile SE |
| D29 | CAEDF0000135508 | 1/8 - 1/4 Mile SE |
| D30 | CAEDF0000109678 | 1/8 - 1/4 Mile SE |
| E31 | CAEDF0000042473 | 1/8 - 1/4 Mile NNE |
| D32 | CAEDF0000086904 | 1/8 - 1/4 Mile SE |
| D33 | CAEDF0000041252 | 1/8 - 1/4 Mile SE |
| F34 | CAEDF0000138929 | 1/8 - 1/4 Mile NE |
| E35 | CAEDF0000099588 | 1/8 - 1/4 Mile NE |
| E36 | CAEDF0000062208 | 1/8 - 1/4 Mile NNE |
| E37 | CAEDF0000017384 | 1/8 - 1/4 Mile NNE |
| E38 | CAEDF0000006564 | 1/8 - 1/4 Mile NNE |
| F39 | CAEDF0000021072 | 1/8 - 1/4 Mile NE |
| F40 | CAEDF0000114497 | 1/8 - 1/4 Mile NE |
| G42 | CAEDF0000048345 | 1/4 - 1/2 Mile NW |
| G43 | CAEDF0000081979 | 1/4 - 1/2 Mile NW |
| G44 | CAEDF0000070216 | 1/4 - 1/2 Mile NW |
| G45 | CAEDF0000040485 | 1/4 - 1/2 Mile NW |
| G46 | CAEDF0000079740 | 1/4 - 1/2 Mile NW |
| G47 | CAEDF0000137825 | 1/4 - 1/2 Mile NW |
| H48 | CAEDF0000007650 | 1/4 - 1/2 Mile North |
| G49 | CAEDF0000054731 | 1/4 - 1/2 Mile NW |
| H50 | CAEDF0000131083 | 1/4 - 1/2 Mile North |
| H51 | CAEDF0000050853 | 1/4 - 1/2 Mile North |
| G52 | CAEDF0000007525 | 1/4 - 1/2 Mile NW |
| G53 | CAEDF0000010350 | 1/4 - 1/2 Mile NW |





**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| G54 | CAEDF0000020419 | 1/4 - 1/2 Mile NW |
| G55 | CAEDF0000109696 | 1/4 - 1/2 Mile NW |
| G56 | CAEDF0000036268 | 1/4 - 1/2 Mile NW |
| H57 | CAEDF0000070670 | 1/4 - 1/2 Mile North |
| H58 | CAEDF0000059152 | 1/4 - 1/2 Mile North |
| G59 | CAEDF0000066669 | 1/4 - 1/2 Mile NW |
| H60 | CAEDF0000099791 | 1/4 - 1/2 Mile North |
| I61 | CAEDF0000022228 | 1/4 - 1/2 Mile ENE |
| G62 | CAEDF0000003749 | 1/4 - 1/2 Mile NW |
| H63 | CAEDF0000098667 | 1/4 - 1/2 Mile North |
| I64 | CAEDF0000056428 | 1/4 - 1/2 Mile ENE |
| H65 | CAEDF0000016951 | 1/4 - 1/2 Mile North |
| I66 | CAEDF0000094660 | 1/4 - 1/2 Mile ENE |
| I67 | CAEDF0000143325 | 1/4 - 1/2 Mile ENE |
| H68 | CAEDF0000000926 | 1/4 - 1/2 Mile North |
| H69 | CAEDF0000091076 | 1/4 - 1/2 Mile North |
| H70 | CAEDF0000083388 | 1/4 - 1/2 Mile North |
| J71 | CAEDF0000131206 | 1/4 - 1/2 Mile NE |
| K72 | CAEDF0000117392 | 1/4 - 1/2 Mile West |
| I73 | CAEDF0000098801 | 1/4 - 1/2 Mile ENE |
| I74 | CAEDF0000119083 | 1/4 - 1/2 Mile ENE |
| I75 | CAEDF0000079664 | 1/4 - 1/2 Mile ENE |
| H76 | CAEDF0000044650 | 1/4 - 1/2 Mile North |
| I77 | CAEDF0000132979 | 1/4 - 1/2 Mile ENE |
| K78 | CAEDF0000083501 | 1/4 - 1/2 Mile West |
| I79 | CAEDF0000066006 | 1/4 - 1/2 Mile ENE |
| I80 | CAEDF0000103118 | 1/4 - 1/2 Mile ENE |
| J81 | CAEDF0000128843 | 1/4 - 1/2 Mile NE |
| K82 | CAEDF0000090118 | 1/4 - 1/2 Mile West |
| K83 | CAEDF0000062564 | 1/4 - 1/2 Mile West |
| I84 | CAEDF0000119077 | 1/4 - 1/2 Mile ENE |
| J85 | CAEDF0000051862 | 1/4 - 1/2 Mile NE |
| K86 | CAEDF0000020459 | 1/4 - 1/2 Mile West |
| I87 | CAEDF0000013759 | 1/4 - 1/2 Mile ENE |
| 88 | CAEDF0000070511 | 1/4 - 1/2 Mile ENE |
| K90 | CAEDF0000045020 | 1/4 - 1/2 Mile West |
| J91 | CAEDF0000032515 | 1/4 - 1/2 Mile NE |
| I92 | CAEDF0000060744 | 1/4 - 1/2 Mile ENE |
| I93 | CAEDF0000093016 | 1/4 - 1/2 Mile ENE |
| I94 | CAEDF0000001668 | 1/4 - 1/2 Mile ENE |
| J95 | CAEDF0000108841 | 1/4 - 1/2 Mile NE |
| K96 | CAEDF0000062627 | 1/4 - 1/2 Mile West |
| L97 | CAEDF0000047951 | 1/2 - 1 Mile East |
| J98 | CAEDF0000087074 | 1/2 - 1 Mile NE |
| K99 | CAEDF0000081068 | 1/2 - 1 Mile West |
| K100 | CAEDF0000076640 | 1/2 - 1 Mile West |
| K101 | CAEDF0000096642 | 1/2 - 1 Mile West |
| M102 | CAEDF0000130417 | 1/2 - 1 Mile NNE |
| L103 | CAEDF0000057625 | 1/2 - 1 Mile East |
| K104 | CAEDF0000102570 | 1/2 - 1 Mile West |
| K105 | CAEDF0000125825 | 1/2 - 1 Mile West |
| L106 | CAEDF0000116053 | 1/2 - 1 Mile East |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| L107 | CAEDF0000046465 | 1/2 - 1 Mile ESE |
| K108 | CAEDF0000007355 | 1/2 - 1 Mile West |
| L109 | CAEDF0000022712 | 1/2 - 1 Mile East |
| M110 | CAEDF0000112909 | 1/2 - 1 Mile NNE |
| L111 | CAEDF0000142950 | 1/2 - 1 Mile East |
| M112 | CAEDF0000093336 | 1/2 - 1 Mile NNE |
| M113 | CAEDF0000056134 | 1/2 - 1 Mile NNE |
| M114 | CAEDF0000115156 | 1/2 - 1 Mile NNE |
| M115 | CAEDF0000129428 | 1/2 - 1 Mile NNE |
| M116 | CAEDF0000035021 | 1/2 - 1 Mile NNE |
| M117 | CAEDF0000057988 | 1/2 - 1 Mile NNE |
| M118 | CAEDF0000074566 | 1/2 - 1 Mile NNE |
| M119 | CAEDF0000102814 | 1/2 - 1 Mile NNE |
| M120 | CAEDF0000086442 | 1/2 - 1 Mile NNE |
| M121 | CAEDF0000115458 | 1/2 - 1 Mile NNE |
| M122 | CAEDF0000094593 | 1/2 - 1 Mile NNE |
| M123 | CAEDF0000143181 | 1/2 - 1 Mile NNE |
| M124 | CAEDF0000137984 | 1/2 - 1 Mile NNE |
| M125 | CAEDF0000105402 | 1/2 - 1 Mile NNE |
| M126 | CAEDF0000008242 | 1/2 - 1 Mile NNE |
| M127 | CAEDF0000049424 | 1/2 - 1 Mile NNE |
| M128 | CAEDF0000091167 | 1/2 - 1 Mile NNE |
| M129 | CAEDF0000068265 | 1/2 - 1 Mile NNE |
| M130 | CAEDF0000081364 | 1/2 - 1 Mile NNE |
| M131 | CAEDF0000075707 | 1/2 - 1 Mile NNE |
| M132 | CAEDF0000128215 | 1/2 - 1 Mile NNE |
| M133 | CAEDF0000087066 | 1/2 - 1 Mile NNE |
| M134 | CAEDF0000141581 | 1/2 - 1 Mile NNE |
| M135 | CAEDF0000090423 | 1/2 - 1 Mile NNE |
| M136 | CAEDF0000035160 | 1/2 - 1 Mile NNE |
| M137 | CAEDF0000065887 | 1/2 - 1 Mile NNE |
| N138 | CAEDF0000122018 | 1/2 - 1 Mile NNE |
| O139 | CAEDF0000061477 | 1/2 - 1 Mile WSW |
| O140 | CAEDF0000042796 | 1/2 - 1 Mile WSW |
| O141 | CAEDF0000064709 | 1/2 - 1 Mile WSW |
| O142 | CAEDF0000009386 | 1/2 - 1 Mile WSW |
| O143 | CAEDF0000100297 | 1/2 - 1 Mile WSW |
| O144 | CAEDF0000053159 | 1/2 - 1 Mile WSW |
| N145 | CAEDF0000088095 | 1/2 - 1 Mile NNE |
| N146 | CAEDF0000065935 | 1/2 - 1 Mile NNE |
| O147 | CAEDF0000058704 | 1/2 - 1 Mile WSW |
| N148 | CAEDF0000005651 | 1/2 - 1 Mile NNE |
| O149 | CAEDF0000113114 | 1/2 - 1 Mile WSW |
| O150 | CAEDF0000054875 | 1/2 - 1 Mile WSW |
| N151 | CAEDF0000063176 | 1/2 - 1 Mile NNE |
| O152 | CAEDF0000051870 | 1/2 - 1 Mile WSW |
| N153 | CAEDF0000070183 | 1/2 - 1 Mile NNE |
| O154 | CAEDF0000070789 | 1/2 - 1 Mile WSW |
| O155 | CAEDF0000091539 | 1/2 - 1 Mile WSW |
| O156 | CAEDF0000106325 | 1/2 - 1 Mile WSW |
| N157 | CAEDF0000121493 | 1/2 - 1 Mile NNE |
| P158 | CAEDF0000021569 | 1/2 - 1 Mile NNW |





**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| Q159 | CAEDF0000047792 | 1/2 - 1 Mile NNE |
| Q160 | CAEDF0000136538 | 1/2 - 1 Mile NNE |
| Q161 | CAEDF0000093358 | 1/2 - 1 Mile NNE |
| Q162 | CAEDF0000050151 | 1/2 - 1 Mile NNE |
| P163 | CAEDF0000077659 | 1/2 - 1 Mile NNW |
| P164 | CAEDF0000036311 | 1/2 - 1 Mile NNW |
| P165 | CAEDF0000040712 | 1/2 - 1 Mile NNW |
| R166 | CAEDF0000076797 | 1/2 - 1 Mile SE |
| P167 | CAEDF0000120280 | 1/2 - 1 Mile NNW |
| P168 | CAEDF0000037041 | 1/2 - 1 Mile NNW |
| R169 | CAEDF0000075250 | 1/2 - 1 Mile SE |
| P170 | CAEDF0000052734 | 1/2 - 1 Mile NNW |
| R171 | CAEDF0000019685 | 1/2 - 1 Mile SE |
| P172 | CAEDF0000089107 | 1/2 - 1 Mile NNW |
| R173 | CAEDF0000003663 | 1/2 - 1 Mile SE |
| P174 | CAEDF0000091166 | 1/2 - 1 Mile NNW |
| Q175 | CAEDF0000114525 | 1/2 - 1 Mile NNE |
| Q176 | CAEDF0000119041 | 1/2 - 1 Mile NNE |
| P177 | CAEDF0000069760 | 1/2 - 1 Mile NNW |
| Q178 | CAEDF0000048030 | 1/2 - 1 Mile NNE |
| Q179 | CAEDF0000063037 | 1/2 - 1 Mile NNE |
| P180 | CAEDF0000073843 | 1/2 - 1 Mile NNW |
| S181 | CAEDF0000039650 | 1/2 - 1 Mile NNE |
| S182 | CAEDF0000138985 | 1/2 - 1 Mile NNE |
| S183 | CAEDF0000115109 | 1/2 - 1 Mile NNE |
| S184 | CAEDF0000086349 | 1/2 - 1 Mile NNE |
| S185 | CAEDF0000043476 | 1/2 - 1 Mile NNE |
| S186 | CAEDF0000083342 | 1/2 - 1 Mile NNE |
| S187 | CAEDF0000079113 | 1/2 - 1 Mile NNE |
| S188 | CAEDF0000092190 | 1/2 - 1 Mile NNE |
| S189 | CAEDF0000081742 | 1/2 - 1 Mile NNE |
| S190 | CAEDF0000119221 | 1/2 - 1 Mile NNE |
| S191 | CAEDF0000072541 | 1/2 - 1 Mile NNE |
| S192 | CAEDF0000055605 | 1/2 - 1 Mile NNE |
| S193 | CAEDF0000141451 | 1/2 - 1 Mile NNE |
| T194 | CAEDF0000114953 | 1/2 - 1 Mile WSW |
| U195 | CAEDF0000096363 | 1/2 - 1 Mile NNE |
| U196 | CAEDF0000119201 | 1/2 - 1 Mile NNE |
| T197 | CAEDF0000060412 | 1/2 - 1 Mile WSW |
| U198 | CAEDF0000130408 | 1/2 - 1 Mile NNE |
| U199 | CAEDF0000013328 | 1/2 - 1 Mile NNE |
| V200 | CAEDF0000142252 | 1/2 - 1 Mile NNW |
| T201 | CAEDF0000019396 | 1/2 - 1 Mile WSW |
| V202 | CAEDF0000111807 | 1/2 - 1 Mile NNW |
| U203 | CAEDF0000132478 | 1/2 - 1 Mile North |
| V204 | CAEDF0000090833 | 1/2 - 1 Mile NNW |
| T205 | CAEDF0000020166 | 1/2 - 1 Mile WSW |
| U206 | CAEDF0000122198 | 1/2 - 1 Mile North |
| U207 | CAEDF0000124942 | 1/2 - 1 Mile NNE |
| U208 | CAEDF0000117655 | 1/2 - 1 Mile NNE |
| W209 | CAEDF0000042261 | 1/2 - 1 Mile ENE |
| U210 | CAEDF0000049330 | 1/2 - 1 Mile North |

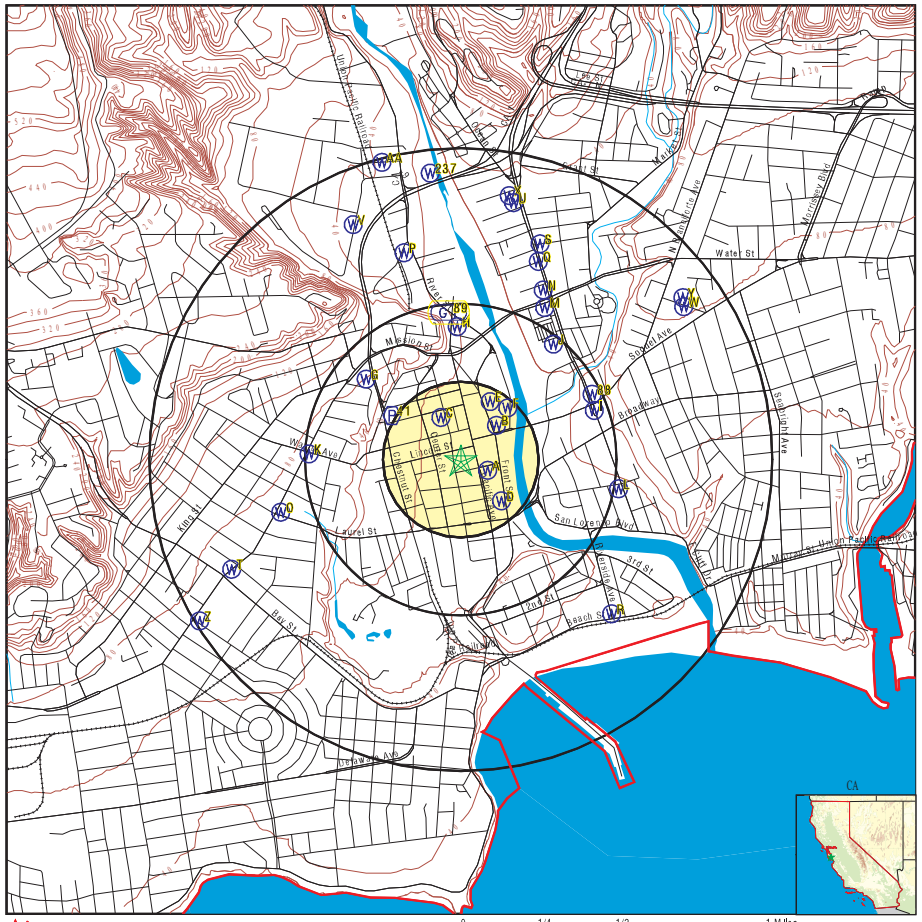
## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| U211 | CAEDF0000071865 | 1/2 - 1 Mile North |
| U212 | CAEDF0000139137 | 1/2 - 1 Mile North |
| U213 | CAEDF0000041830 | 1/2 - 1 Mile North |
| U214 | CAEDF0000061627 | 1/2 - 1 Mile North |
| U215 | CAEDF0000084061 | 1/2 - 1 Mile NNE |
| U216 | CAEDF0000075662 | 1/2 - 1 Mile NNE |
| U217 | CAEDF0000130583 | 1/2 - 1 Mile NNE |
| U218 | CAEDF0000079969 | 1/2 - 1 Mile NNE |
| U219 | CAEDF0000006567 | 1/2 - 1 Mile NNE |
| W220 | CAEDF0000004356 | 1/2 - 1 Mile ENE |
| X221 | CAEDF0000128960 | 1/2 - 1 Mile North |
| X222 | CAEDF0000078039 | 1/2 - 1 Mile North |
| X223 | CAEDF0000128974 | 1/2 - 1 Mile North |
| X224 | CAEDF0000142921 | 1/2 - 1 Mile North |
| U225 | CAEDF0000101491 | 1/2 - 1 Mile NNE |
| X226 | CAEDF0000057189 | 1/2 - 1 Mile North |
| X227 | CAEDF0000108002 | 1/2 - 1 Mile North |
| X228 | CAEDF0000124050 | 1/2 - 1 Mile North |
| X229 | CAEDF0000044089 | 1/2 - 1 Mile North |
| W230 | CAEDF0000103077 | 1/2 - 1 Mile NE |
| W231 | CAEDF0000052974 | 1/2 - 1 Mile NE |
| Y232 | CAEDF0000065478 | 1/2 - 1 Mile NE |
| Y233 | CAEDF0000115831 | 1/2 - 1 Mile NE |
| W234 | CAEDF0000077647 | 1/2 - 1 Mile NE |
| W235 | CAEDF0000069917 | 1/2 - 1 Mile NE |
| Y236 | CAEDF0000115711 | 1/2 - 1 Mile NE |
| 237 | CAEDF0000073071 | 1/2 - 1 Mile North |
| Z238 | CAEDF0000113954 | 1/2 - 1 Mile WSW |
| Z239 | CAEDF0000076017 | 1/2 - 1 Mile WSW |
| Z240 | CAEDF0000096607 | 1/2 - 1 Mile WSW |
| Z241 | CAEDF0000125109 | 1/2 - 1 Mile WSW |
| AA242 | CAEDF0000018300 | 1/2 - 1 Mile NNW |
| Z243 | CAEDF0000105458 | 1/2 - 1 Mile WSW |
| AA244 | CAEDF0000042384 | 1/2 - 1 Mile NNW |
| Z245 | CAEDF0000019674 | 1/2 - 1 Mile WSW |
| Z246 | CAEDF0000000143 | 1/2 - 1 Mile WSW |
| Z247 | CAEDF0000031604 | 1/2 - 1 Mile WSW |
| Z248 | CAEDF0000110539 | 1/2 - 1 Mile WSW |
| Z249 | CAEDF0000057296 | 1/2 - 1 Mile WSW |
| Z250 | CAEDF0000124555 | 1/2 - 1 Mile WSW |



## PHYSICAL SETTING SOURCE MAP - 6833160.2s




- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

0 1/4 1/2 1 Miles

N

| | |
|---|---|
| SITE NAME: 2T158 Downtown Library ESA<br>ADDRESS: 113 Lincoln Street<br>Santa Cruz CA 95060<br>LAT/LONG: 36.97206 / 122.02653 | CLIENT: Weber, Hayes, & Associates<br>CONTACT: Shaun Ersoy<br>INQUIRY #: 6833160.2s<br>DATE: January 25, 2022 6:01 pm |

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| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A1**<br>**ESE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000099488** |

| | | | |
|---|---|---|---|
| Well ID: | T0608716522-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608716522&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608716522&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **A2**<br>**ESE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000041896** |

| | | | |
|---|---|---|---|
| Well ID: | T0608716522-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608716522&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608716522&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **A3**<br>**ESE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000003207** |

| | | | |
|---|---|---|---|
| Well ID: | T0608716522-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608716522&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608716522&assigned_name=MW-2 | | |

| | | |
|---|---|---|
| **A4**<br>**ESE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000017092** |

| | | | |
|---|---|---|---|
| Well ID: | T0608716522-MW-2R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608716522&assigned_name=MW-2R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608716522&assigned_name=MW-2R | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A5**<br>**ESE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000112718** |

| | | | |
|---|---|---|---|
| Well ID: | T0608716522-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608716522&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608716522&assigned_name=MW-4 | | |

| | | |
|---|---|---|
| **B6**<br>**NE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000059163** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700167-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **C7**<br>**NNW**<br>**0 - 1/8 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000102301** |

| | | | |
|---|---|---|---|
| Well ID: | T10000001572-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001572&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001572&assigned_name=MW-5 | | |

| | | |
|---|---|---|
| **B8**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000140670** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700167-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-2 | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**C9**
**NNW**
**1/8 - 1/4 Mile**
**Higher**
**CA WELLS** **CAEDF0000051404**

Well ID: T10000001572-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001572&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001572&assigned_name=MW-4

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**C10**
**NNW**
**1/8 - 1/4 Mile**
**Higher**
**CA WELLS** **CAEDF0000037400**

Well ID: T10000001572-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001572&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001572&assigned_name=MW-3

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**B11**
**ENE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000091474**

Well ID: T0608700167-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-3

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**B12**
**NE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000130665**

Well ID: T0608700167-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-5





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**B13**
**NE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000135673**

Well ID: T0608733661-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733661&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733661&assigned_name=MW-7

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**B14**
**NE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000007485**

Well ID: T0608700167-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-4

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**C15**
**NNW**
**1/8 - 1/4 Mile**
**Higher**
**CA WELLS** **CAEDF0000039172**

Well ID: T10000001572-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001572&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001572&assigned_name=MW-2

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**B16**
**NNE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000139730**

Well ID: T0608733888-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-7

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**C17**
**NNW**
**1/8 - 1/4 Mile**
**Higher**
**CA WELLS** **CAEDF0000053688**

Well ID: T10000001572-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001572&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001572&assigned_name=MW-1

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**B18**
**NE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000051945**

Well ID: T0608733661-MW-8 Well Type: MONITORING
Source: EDF Other Name: MW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733661&assigned_name=MW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733661&assigned_name=MW-8

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**D19**
**SE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000098483**

Well ID: T0608700277-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=MW1

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**B20**
**ENE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000067488**

Well ID: T0608700167-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700167&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700167&assigned_name=MW-6





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**B21**
**NNE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000004689**

Well ID: T0608733888-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-1

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**D22**
**SE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000038248**

Well ID: T0608700277-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=MW2

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**D23**
**SE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000022485**

Well ID: T0608700277-VW3 Well Type: MONITORING
Source: EDF Other Name: VW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW3

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**B24**
**NE**
**1/8 - 1/4 Mile**
**Lower**
**CA WELLS** **CAEDF0000104592**

Well ID: T0608733661-MW-9 Well Type: MONITORING
Source: EDF Other Name: MW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733661&assigned_name=MW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733661&assigned_name=MW-9

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **D25**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000134575** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-MW3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=MW3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=MW3 | | |

| | | |
|---|---|---|
| **D26**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000104128** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-VW2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VW2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW2 | | |

| | | |
|---|---|---|
| **D27**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000022554** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-VW6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VW6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW6 | | |

| | | |
|---|---|---|
| **D28**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000007183** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-VW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW5 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **D29**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000135508** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-VW1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VW1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW1 | | |

| | | |
|---|---|---|
| **D30**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000109678** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-VW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VW4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=VW4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=VW4 | | |

| | | |
|---|---|---|
| **E31**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000042473** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-8 | | |

| | | |
|---|---|---|
| **D32**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000086904** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-MW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=MW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=MW5 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **D33**<br>**SE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000041252** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700277-MW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700277&assigned_name=MW4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700277&assigned_name=MW4 | | |

| | | |
|---|---|---|
| **F34**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000138929** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733661-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733661&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733661&assigned_name=MW-10 | | |

| | | |
|---|---|---|
| **E35**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000099588** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-4 | | |

| | | |
|---|---|---|
| **E36**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000062208** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-9 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **E37**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000017384** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-2 | | |

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|---|---|---|
| **E38**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000006564** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **F39**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000021072** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-5 | | |

| | | |
|---|---|---|
| **F40**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000114497** |

| | | | |
|---|---|---|---|
| Well ID: | T0608733888-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608733888&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608733888&assigned_name=MW-6 | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**41**
**WNW**
**1/4 - 1/2 Mile**
**Higher**
**FRDS PWS** **CA2702182**

| | | | |
|---|---|---|---|
| PWS ID: | CA2702182 | PWS type: | System Owner/Responsible Party |
| PWS name: | B R & M RANCH | PWS address: | Not Reported |
| PWS city: | SANTA CRUZ | PWS state: | CA |
| PWS zip: | 95060 | PWS ID: | CA2702182 |
| Activity status: | Active | Date system activated: | 7706 |
| Date system deactivated: | Not Reported | Retail population: | 00000025 |
| System name: | B R & M RANCH | System address: | B R & M RANCH |
| System address: | 1310 SALINAS RD | System city: | WATSONVILLE |
| System state: | CA | System zip: | 95076 |
| Population served: | Under 101 Persons | Treatment: | Untreated |
| Latitude: | 365827 | Longitude: | 1220146 |

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**G42**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000048345**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-16 | | |

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**G43**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000081979**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-15 | | |

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**G44**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000070216**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-SEEP-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | SEEP-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=SEEP-1&store_num= | | |





| | |
|---|---|
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=SEEP-1 |

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**G45**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000040485**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-9 | | |

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**G46**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000079740**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-13 | | |

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**G47**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000137825**

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-10 | | |

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**H48**
**North**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000007650**

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-5R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-5R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-5R | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**G49**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000054731**

Well ID: T0608700260-SUMP Well Type: MONITORING
Source: EDF Other Name: SUMP
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=SUMP&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=SUMP

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**H50**
**North**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000131083**

Well ID: T0608700211-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-5

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**H51**
**North**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000050853**

Well ID: T0608700211-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-6

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**G52**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000007525**

Well ID: T0608700260-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-11





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**G53**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000010350**

Well ID: T0608700260-MW-8 Well Type: MONITORING
Source: EDF Other Name: MW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-8

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**G54**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000020419**

Well ID: T0608700260-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-2

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**G55**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000109696**

Well ID: T0608700260-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-7

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**G56**
**NW**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000036268**

Well ID: T0608700260-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-5

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **H57**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000070670** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-7 | | |

| | | |
|---|---|---|
| **H58**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000059152** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-4 | | |

| | | |
|---|---|---|
| **G59**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000066669** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-6 | | |

| | | |
|---|---|---|
| **H60**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000099791** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-4R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-4R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-4R | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **I61**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000022228** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700272-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700272&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700272&assigned_name=MW-5 | | |

| | | |
|---|---|---|
| **G62**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000003749** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700260-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700260&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700260&assigned_name=MW-4 | | |

| | | |
|---|---|---|
| **H63**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000098667** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-9 | | |

| | | |
|---|---|---|
| **I64**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000056428** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700272-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700272&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700272&assigned_name=MW-4 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **H65**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000016951** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **I66**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000094660** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700272-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700272&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700272&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **I67**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000143325** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700272-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700272&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700272&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **H68**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000000926** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-2 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **H69**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000091076** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-8 | | |

| | | |
|---|---|---|
| **H70**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000083388** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **J71**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000131206** |

| | | | |
|---|---|---|---|
| Well ID: | T0608786620-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-6 | | |

| | | |
|---|---|---|
| **K72**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000117392** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700030-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=MW-5 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **I73**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000098801** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700272-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700272&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700272&assigned_name=MW-2 | | |

| | | |
|---|---|---|
| **I74**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000119083** |

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|---|---|---|---|
| Well ID: | T0608700233-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-8 | | |

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|---|---|---|
| **I75**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000079664** |

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|---|---|---|---|
| Well ID: | T0608700233-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-7 | | |

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|---|---|---|
| **H76**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000044650** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700211-MW-1R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700211&assigned_name=MW-1R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700211&assigned_name=MW-1R | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **I77**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000132979** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700233-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-9 | | |

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|---|---|---|
| **K78**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000083501** |

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|---|---|---|---|
| Well ID: | T0608700030-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=MW-2 | | |

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|---|---|---|
| **I79**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000066006** |

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|---|---|---|---|
| Well ID: | T0608700233-E-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | E-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=E-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=E-1 | | |

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|---|---|---|
| **I80**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000103118** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700257-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700257&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700257&assigned_name=MW-2 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **J81**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000128843** |

| | | | |
|---|---|---|---|
| Well ID: | T0608786620-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-3 | | |

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|---|---|---|
| **K82**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000090118** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700030-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=MW-1 | | |

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|---|---|---|
| **K83**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000062564** |

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|---|---|---|---|
| Well ID: | T0608700030-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=MW-3 | | |

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|---|---|---|
| **I84**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000119077** |

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|---|---|---|---|
| Well ID: | T0608700233-E-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | E-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=E-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=E-2 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **J85**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000051862** |

| | | | |
|---|---|---|---|
| Well ID: | T0608786620-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-4 | | |

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|---|---|---|
| **K86**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000020459** |

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|---|---|---|---|
| Well ID: | T0608700030-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=MW-4 | | |

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|---|---|---|
| **I87**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000013759** |

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|---|---|---|---|
| Well ID: | T0608700233-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-3 | | |

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|---|---|---|
| **88**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000070511** |

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|---|---|---|---|
| Well ID: | T0608700257-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700257&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700257&assigned_name=MW-3 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | | Database | EDR ID Number |
|---|---|---|---|---|
| **89**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Higher** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 01-1219<br>N, S<br>Not Reported<br>Not Reported<br>94<br>12/22/1992 | **AQUIFLOW** | **65417** |

**K90**
**West**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000045020**

Well ID: T0608700030-SP-1 Well Type: MONITORING
Source: EDF Other Name: SP-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700030&assigned_name=SP-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700030&assigned_name=SP-1

**J91**
**NE**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000032515**

Well ID: T0608786620-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-5

**I92**
**ENE**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000060744**

Well ID: T0608700257-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700257&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700257&assigned_name=MW-1





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **I93**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000093016** |

Well ID: T0608700233-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-5

**I94**
**ENE**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000001668**

Well ID: T0608700233-MW-10 Well Type: MONITORING
Source: EDF Other Name: MW-10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700233&assigned_name=MW-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700233&assigned_name=MW-10

**J95**
**NE**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000108841**

Well ID: T0608786620-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-2

**K96**
**West**
**1/4 - 1/2 Mile**
**Higher**
**CA WELLS** **CAEDF0000062627**

Well ID: T0608769288-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-5

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **L97**<br>**East**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000047951** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700256-M5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M5 | | |

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|---|---|---|
| **J98**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000087074** |

| | | | |
|---|---|---|---|
| Well ID: | T0608786620-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608786620&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608786620&assigned_name=MW-1 | | |

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|---|---|---|
| **K99**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000081068** |

| | | | |
|---|---|---|---|
| Well ID: | T0608769288-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-6 | | |

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|---|---|---|
| **K100**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000076640** |

| | | | |
|---|---|---|---|
| Well ID: | T0608769288-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-2 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **K101**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000096642** |

| | | | |
|---|---|---|---|
| Well ID: | T0608769288-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-7 | | |

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|---|---|---|
| **M102**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000130417** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-17 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-17 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-17&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-17 | | |

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|---|---|---|
| **L103**<br>**East**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000057625** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700256-M1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M1 | | |

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|---|---|---|
| **K104**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000102570** |

| | | | |
|---|---|---|---|
| Well ID: | T0608769288-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-4 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **K105**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000125825** |

| | | | |
|---|---|---|---|
| Well ID: | T0608769288-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-3 | | |

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|---|---|---|
| **L106**<br>**East**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000116053** |

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|---|---|---|---|
| Well ID: | T0608700256-M2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M2 | | |

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|---|---|---|
| **L107**<br>**ESE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000046465** |

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|---|---|---|---|
| Well ID: | T0608700256-M4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M4 | | |

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|---|---|---|
| **K108**<br>**West**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000007355** |

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|---|---|---|---|
| Well ID: | T0608769288-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608769288&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608769288&assigned_name=MW-1 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **L109**<br>**East**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000022712** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700256-M3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M3 | | |

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|---|---|---|
| **M110**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000112909** |

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|---|---|---|---|
| Well ID: | T0608700255-S-16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-16 | | |

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|---|---|---|
| **L111**<br>**East**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000142950** |

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|---|---|---|---|
| Well ID: | T0608700256-M6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | M6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700256&assigned_name=M6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700256&assigned_name=M6 | | |

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|---|---|---|
| **M112**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000093336** |

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|---|---|---|---|
| Well ID: | T0608700255-S-15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-15 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M113**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000056134** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-14 | | |

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|---|---|---|
| **M114**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000115156** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-10 | | |

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|---|---|---|
| **M115**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000129428** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-13 | | |

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|---|---|---|
| **M116**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000035021** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-7 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M117**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000057988** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-9 | | |

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|---|---|---|
| **M118**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000074566** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-21 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-21 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-21&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-21 | | |

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|---|---|---|
| **M119**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000102814** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-2 | | |

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|---|---|---|
| **M120**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000086442** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-2R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-2R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-2R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-2R | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M121**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000115458** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-6 | | |

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|---|---|---|
| **M122**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000094593** |

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|---|---|---|---|
| Well ID: | T0608700255-S-6R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-6R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-6R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-6R | | |

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|---|---|---|
| **M123**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000143181** |

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|---|---|---|---|
| Well ID: | T0608700255-S-5R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-5R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-5R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-5R | | |

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|---|---|---|
| **M124**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000137984** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-5 | | |



GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M125**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000105402** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-3R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-3R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-3R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-3R | | |

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|---|---|---|
| **M126**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000008242** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-20 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-20 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-20&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-20 | | |

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|---|---|---|
| **M127**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000049424** |

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|---|---|---|---|
| Well ID: | T0608700003-C-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | C-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-10 | | |

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|---|---|---|
| **M128**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000091167** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700255-S-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-3 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M129**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000068265** |

Well ID: T0608700255-S-4R
Well Type: MONITORING
Source: EDF
Other Name: S-4R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-4R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-4R

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**M130**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000081364**

Well ID: T0608700255-S-1
Well Type: MONITORING
Source: EDF
Other Name: S-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-1

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**M131**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000075707**

Well ID: T0608700255-S-1R
Well Type: MONITORING
Source: EDF
Other Name: S-1R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-1R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-1R

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**M132**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000128215**

Well ID: T0608700255-S-19
Well Type: MONITORING
Source: EDF
Other Name: S-19
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-19&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-19





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **M133**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000087066** |

Well ID: T0608700255-S-4
Well Type: MONITORING
Source: EDF
Other Name: S-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700255&assigned_name=S-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700255&assigned_name=S-4

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**M134**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000141581**

Well ID: T0608700003-EW-1
Well Type: MONITORING
Source: EDF
Other Name: EW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=EW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=EW-1

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**M135**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000090423**

Well ID: T0608700003-C-6
Well Type: MONITORING
Source: EDF
Other Name: C-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-6

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**M136**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000035160**

Well ID: T0608700003-C-14
Well Type: MONITORING
Source: EDF
Other Name: C-14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-14

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**M137**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000065887**

Well ID: T0608700003-C-7 Well Type: MONITORING
Source: EDF Other Name: C-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-7

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**N138**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000122018**

Well ID: T0608700003-C-13 Well Type: MONITORING
Source: EDF Other Name: C-13
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-13

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**O139**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000061477**

Well ID: T0608700147-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=MW-6

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**O140**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000042796**

Well ID: T0608700147-B-6 Well Type: MONITORING
Source: EDF Other Name: B-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=B-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=B-6





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**O141**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000064709**

Well ID: T0608700147-S-3 Well Type: MONITORING
Source: EDF Other Name: S-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=S-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=S-3

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**O142**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000009386**

Well ID: T0608700147-S-1 Well Type: MONITORING
Source: EDF Other Name: S-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=S-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=S-1

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**O143**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000100297**

Well ID: T0608700147-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=MW-5

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**O144**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000053159**

Well ID: T0608700147-S-4 Well Type: MONITORING
Source: EDF Other Name: S-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=S-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=S-4

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **N145**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000088095** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700003-C-12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | C-12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-12 | | |

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|---|---|---|
| **N146**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000065935** |

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|---|---|---|---|
| Well ID: | T0608700003-C-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | C-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-2 | | |

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|---|---|---|
| **O147**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000058704** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700147-B-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=B-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=B-7 | | |

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|---|---|---|
| **N148**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000005651** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700003-C-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | C-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-11 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **O149**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000113114** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700147-S-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | S-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=S-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=S-2 | | |

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|---|---|---|
| **O150**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000054875** |

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|---|---|---|---|
| Well ID: | T0608700147-B-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700147&assigned_name=B-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700147&assigned_name=B-8 | | |

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|---|---|---|
| **N151**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000063176** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700003-C-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | C-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-8 | | |

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|---|---|---|
| **O152**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000051870** |

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|---|---|---|---|
| Well ID: | T0608700059-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700059&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700059&assigned_name=MW-3 | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**N153**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000070183**

Well ID: T0608700003-C-9 Well Type: MONITORING
Source: EDF Other Name: C-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700003&assigned_name=C-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700003&assigned_name=C-9

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**O154**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000070789**

Well ID: T0608700059-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700059&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700059&assigned_name=MW-4

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**O155**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000091539**

Well ID: T0608700059-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700059&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700059&assigned_name=MW-2

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**O156**
**WSW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000106325**

Well ID: T0608700059-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700059&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700059&assigned_name=MW-1





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**N157**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000121493**

Well ID: T0608700288-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700288&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700288&assigned_name=MW-4

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**P158**
**NNW**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000021569**

Well ID: SL0608748129-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-11

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**Q159**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000047792**

Well ID: T0608700288-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700288&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700288&assigned_name=MW-3

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**Q160**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000136538**

Well ID: T0608700288-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700288&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700288&assigned_name=MW-2

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Q161**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000093358** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700288-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700288&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700288&assigned_name=MW-1 | | |

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|---|---|---|
| **Q162**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000050151** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700288-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700288&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700288&assigned_name=MW-5 | | |

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|---|---|---|
| **P163**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000077659** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-9 | | |

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|---|---|---|
| **P164**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000036311** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-3 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **P165**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000040712** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-2 | | |

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|---|---|---|
| **R166**<br>**SE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000076797** |

| | | | |
|---|---|---|---|
| Well ID: | T10000003325-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003325&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003325&assigned_name=MW-1 | | |

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|---|---|---|
| **P167**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000120280** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-10 | | |

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|---|---|---|
| **P168**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000037041** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-7 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **R169**<br>**SE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000075250** |

Well ID: T10000003325-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003325&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003325&assigned_name=MW-2

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|---|---|---|
| **P170**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000052734** |

Well ID: SL0608748129-MW-8 Well Type: MONITORING
Source: EDF Other Name: MW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-8

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|---|---|---|
| **R171**<br>**SE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000019685** |

Well ID: T10000003325-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003325&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003325&assigned_name=MW-4

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| **P172**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000089107** |

Well ID: SL0608748129-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-6





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **R173**<br>**SE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000003663** |

Well ID: T10000003325-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000003325&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000003325&assigned_name=MW-3

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|---|---|---|
| **P174**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000091166** |

Well ID: SL0608748129-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-5

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|---|---|---|
| **Q175**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000114525** |

Well ID: T0608700287-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-5

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|---|---|---|
| **Q176**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000119041** |

Well ID: T060879783-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-5

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **P177**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000069760** |

| | | | |
|---|---|---|---|
| Well ID: | SL0608748129-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-1 | | |

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|---|---|---|
| **Q178**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000048030** |

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|---|---|---|---|
| Well ID: | T060879783-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-4 | | |

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|---|---|---|
| **Q179**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000063037** |

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|---|---|---|---|
| Well ID: | T0608700287-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-4 | | |

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|---|---|---|
| **P180**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000073843** |

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|---|---|---|---|
| Well ID: | SL0608748129-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608748129&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608748129&assigned_name=MW-4 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S181**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000039650** |

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|---|---|---|---|
| Well ID: | T060879783-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-6 | | |

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|---|---|---|
| **S182**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000138985** |

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|---|---|---|---|
| Well ID: | T0608700287-MW-3R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-3R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-3R | | |

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|---|---|---|
| **S183**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000115109** |

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|---|---|---|---|
| Well ID: | T060879783-MW-3R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-3R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-3R | | |

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|---|---|---|
| **S184**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000086349** |

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|---|---|---|---|
| Well ID: | T0608700287-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-3 | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**S185**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000043476**

Well ID: T060879783-EW-1 Well Type: MONITORING
Source: EDF Other Name: EW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=EW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=EW-1

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**S186**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000083342**

Well ID: T060879783-EW-2 Well Type: MONITORING
Source: EDF Other Name: EW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=EW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=EW-2

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**S187**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000079113**

Well ID: T0608700287-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-6

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**S188**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000092190**

Well ID: T060879783-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-7





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**S189**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000081742**

Well ID: T060879783-MW-1A Well Type: MONITORING
Source: EDF Other Name: MW-1A
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-1A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-1A

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**S190**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000119221**

Well ID: T0608700287-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-2

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**S191**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000072541**

Well ID: T060879783-MW-2R Well Type: MONITORING
Source: EDF Other Name: MW-2R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T060879783&assigned_name=MW-2R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T060879783&assigned_name=MW-2R

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**S192**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000055605**

Well ID: T0608700287-MW-2R Well Type: MONITORING
Source: EDF Other Name: MW-2R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-2R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-2R

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S193**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000141451** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700287-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700287&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700287&assigned_name=MW-1 | | |

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|---|---|---|
| **T194**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000114953** |

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|---|---|---|---|
| Well ID: | T0608700136-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700136&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700136&assigned_name=MW-1 | | |

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|---|---|---|
| **U195**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000096363** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700139-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700139&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700139&assigned_name=MW-5 | | |

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|---|---|---|
| **U196**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000119201** |

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|---|---|---|---|
| Well ID: | T0608700139-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700139&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700139&assigned_name=MW-1 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **T197**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000060412** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700136-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700136&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700136&assigned_name=MW-3 | | |

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|---|---|---|
| **U198**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000130408** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700139-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700139&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700139&assigned_name=MW-4 | | |

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|---|---|---|
| **U199**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000013328** |

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|---|---|---|---|
| Well ID: | T0608700139-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700139&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700139&assigned_name=MW-6 | | |

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|---|---|---|
| **V200**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000142252** |

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|---|---|---|---|
| Well ID: | T0608799975-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608799975&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608799975&assigned_name=MW-3 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **T201**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000019396** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700136-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700136&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700136&assigned_name=MW-2 | | |

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|---|---|---|
| **V202**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000111807** |

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|---|---|---|---|
| Well ID: | T0608799975-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608799975&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608799975&assigned_name=MW-2 | | |

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|---|---|---|
| **U203**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000132478** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-7 | | |

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|---|---|---|
| **V204**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000090833** |

| | | | |
|---|---|---|---|
| Well ID: | T0608799975-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608799975&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608799975&assigned_name=MW-1 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **T205**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000020166** |

| | | | |
|---|---|---|---|
| Well ID: | T10000000110-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000110&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000110&assigned_name=MW-3 | | |

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|---|---|---|
| **U206**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000122198** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-STEW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | STEW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-5 | | |

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|---|---|---|
| **U207**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000124942** |

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|---|---|---|---|
| Well ID: | T0608700046-STEW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | STEW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-6 | | |

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|---|---|---|
| **U208**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000117655** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-STSASW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | STSASW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STSASW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STSASW-6 | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**W209**
**ENE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000042261**

Well ID: T0608782943-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-6

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**U210**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000049330**

Well ID: T0608700046-STSASW-5 Well Type: MONITORING
Source: EDF Other Name: STSASW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STSASW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STSASW-5

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**U211**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000071865**

Well ID: T0608700046-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-4

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**U212**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000139137**

Well ID: T0608700046-STEW-4 Well Type: MONITORING
Source: EDF Other Name: STEW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-4





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**U213**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000041830**

Well ID: T0608700046-STEW-3 Well Type: MONITORING
Source: EDF Other Name: STEW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-3

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**U214**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000061627**

Well ID: T0608700046-STDASW-9 Well Type: MONITORING
Source: EDF Other Name: STDASW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STDASW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STDASW-9

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**U215**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000084061**

Well ID: T0608700046-STSASW-7 Well Type: MONITORING
Source: EDF Other Name: STSASW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STSASW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STSASW-7

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**U216**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000075662**

Well ID: T0608700046-STEW-7 Well Type: MONITORING
Source: EDF Other Name: STEW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-7

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**U217**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000130583**

Well ID: T0608700046-STDASW-10 Well Type: MONITORING
Source: EDF Other Name: STDASW-10
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STDASW-10&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STDASW-10

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**U218**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000079969**

Well ID: T0608700046-STEW-9 Well Type: MONITORING
Source: EDF Other Name: STEW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-9

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**U219**
**NNE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000006567**

Well ID: T0608700046-STEW-8 Well Type: MONITORING
Source: EDF Other Name: STEW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-8

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**W220**
**ENE**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000004356**

Well ID: T0608782943-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-5





Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**X221**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000128960**

Well ID: T0608700046-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-5

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**X222**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000078039**

Well ID: T0608700046-STEW-1 Well Type: MONITORING
Source: EDF Other Name: STEW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-1

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**X223**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000128974**

Well ID: T0608700046-STEW-2 Well Type: MONITORING
Source: EDF Other Name: STEW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STEW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STEW-2

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**X224**
**North**
**1/2 - 1 Mile**
**Higher**
**CA WELLS** **CAEDF0000142921**

Well ID: T0608700046-STDASW-8 Well Type: MONITORING
Source: EDF Other Name: STDASW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STDASW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STDASW-8

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **U225**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000101491** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-3 | | |

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|---|---|---|
| **X226**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000057189** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-6 | | |

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|---|---|---|
| **X227**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000108002** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **X228**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000124050** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-STSASW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | STSASW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=STSASW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=STSASW-4 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **X229**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000044089** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700046-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700046&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700046&assigned_name=MW-2 | | |

| | | |
|---|---|---|
| **W230**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000103077** |

| | | | |
|---|---|---|---|
| Well ID: | T0608782943-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-4 | | |

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|---|---|---|
| **W231**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000052974** |

| | | | |
|---|---|---|---|
| Well ID: | T0608782943-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-3 | | |

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|---|---|---|
| **Y232**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000065478** |

| | | | |
|---|---|---|---|
| Well ID: | T0608782943-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-1 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Y233**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000115831** |

| | | | |
|---|---|---|---|
| Well ID: | T0608782943-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608782943&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608782943&assigned_name=MW-2 | | |

| | | |
|---|---|---|
| **W234**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000077647** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700284-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700284&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700284&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **W235**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000069917** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700284-MW-1R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700284&assigned_name=MW-1R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700284&assigned_name=MW-1R | | |

| | | |
|---|---|---|
| **Y236**<br>**NE**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000115711** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700284-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700284&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700284&assigned_name=MW-2 | | |



GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **237**<br>**North**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000073071** |

| | | | |
|---|---|---|---|
| Well ID: | SLT3S0461294-MW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT3S0461294&assigned_name=MW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT3S0461294&assigned_name=MW5 | | |

| | | |
|---|---|---|
| **Z238**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000113954** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-5 | | |

| | | |
|---|---|---|
| **Z239**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000076017** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-3 | | |

| | | |
|---|---|---|
| **Z240**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000096607** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-6 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Z241**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000125109** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-1 | | |

| | | |
|---|---|---|
| **AA242**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000018300** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700127-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700127&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700127&assigned_name=MW-6 | | |

| | | |
|---|---|---|
| **Z243**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000105458** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-12 | | |

| | | |
|---|---|---|
| **AA244**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000042384** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700127-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700127&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700127&assigned_name=MW-5 | | |





| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Z245**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000019674** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-8 | | |

| | | |
|---|---|---|
| **Z246**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000000143** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-2 | | |

| | | |
|---|---|---|
| **Z247**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000031604** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-4 | | |

| | | |
|---|---|---|
| **Z248**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000110539** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-10R | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10R |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-10R&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-10R | | |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Z249**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000057296** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-7 | | |

---

| | | |
|---|---|---|
| **Z250**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000124555** |

| | | | |
|---|---|---|---|
| Well ID: | T0608700137-MW-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608700137&assigned_name=MW-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608700137&assigned_name=MW-11 | | |

---

| | | | | |
|---|---|---|---|---|
| **1G**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Lower** | Site ID: | 01-1219 | **AQUIFLOW** | **65417** |
| | Groundwater Flow: | N, S | | |
| | Shallow Water Depth: | Not Reported | | |
| | Deep Water Depth: | Not Reported | | |
| | Average Water Depth: | 94 | | |
| | Date: | 12/22/1992 | | |



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
## RADON

**AREA RADON INFORMATION**

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---|---|---|
| 95060 | 489 | 29 |

Federal EPA Radon Zone for SANTA CRUZ County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 95060

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 4.800 pCi/L | 0% | 100% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | Not Reported | Not Reported | Not Reported | Not Reported |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**HYDROLOGIC INFORMATION**

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

**HYDROGEOLOGIC INFORMATION**

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

**GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**LOCAL / REGIONAL WATER AGENCY RECORDS**

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

**OTHER STATE DATABASE INFORMATION**

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**STREET AND ADDRESS INFORMATION**

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# APPENDIX D

## Related Reports

## Closure Letters & Regulatory Correspondence

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## 113 Lincoln Street - Inspection Records

-

## 511 Cedar Street - HMMP Records

-

## 207 Church Street - GWM Report

**113 Lincoln Street**
(on-site Todal Fitness business)
---
Inspection Records

SANTA CRUZ COUNTY SWIMMING POOL SURVEY

Date 11-2-88 Surveying Sanitarian Doug Pears

Address of Pool 113 Lincoln

Name of Pool START Clinic

Type of Establishment Health Club

Number of Units Served/People _____ Age of Pool 8 years

Pool Owner START Clinic Phone 458-3606

Owner's Address _____

Manager and/or Pool Caretaker Rick Eldridge Phone _____

---

Type of Pool Spa Material F.G. Finish F.G.

Volume of Pool 500 gal Max. Depth 2' Min. Depth 1' Surface Area Dia 7'4"

Recirculation Pump (Name & Model) STA: RITE C48J2P104 H.P. 1/2

Chlorinator (Name & Model) Lifeguard #300

Filter (Name & Model) ~~Purex~~ Premier Hercules PH 104S

Type DE Size ~~[illegible]~~ 104 sq. ft. Waste Water Disposal Sewer

Water Supply Source S.C. City

Number of Inlets 1 Number of Skimmers 1

Guage Readings: Flowmeter _____ Influent 20 Effluent _____ Vacuum _____

Safety Requirements (if unsatisfactory, check box)

- [ ] Emergency & Safety Signs
- [ ] Safety Pole
- [ ] Life Ring with Rope
- [ ] Safety Rope with Floats
- [ ] Handrails & Ladders
- [x] Depth Markers
- [ ] Depth Marking Line
- [ ] Fencing & Gate
- [ ] Lights Secure & Safe
- [ ] Diving Board
- [ ] Test Kit
- [ ] Spa Emergency Shut Off Switch
- [ ] Spa Temperature/Thermometer
- [ ] Storage of Chemicals
- [ ] Lifeguard
- [ ] Drinking Fountain
- [ ] Deck Clear & Safe
- [ ] Locker/Room/Shower/Restrooms

Gas Chlorine:
- Cylinder Chained [ ]
- Ventilation [ ]
- Gas Mask [ ]
- Scale [ ]
- Evacuation Procedure [ ]

Remarks/Additional Comments _____

RT (6/87)

COUNTY OF SANTA CRUZ ● ENVIRONMENTAL HEALTH SERVICE
● 701 OCEAN ST., ROOM 312 ● SANTA CRUZ, CA 95060 ● (831) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | |
|---|---|
| OWNER'S NAME/DBA: Toadal Fitness | DATE: 10-4-00 |
| POOL/SPA ADDRESS: 113 Lincoln Street | RECHECK DATE: |
| CHLORINE: 60 ☐ FREE _____ TOTAL _____ COMBINED _____ / OTHER SANITIZER: 60 ☐ TYPE Liquid Chlorine READING 2.0 ppm | COMPUTER #: 2927 |

| FLOW RATE | pH 61 ☐ | CYANURATES 62 ☐ | TEMP. 63 ☐ | CLARITY 64 ☐ | CA HARDNESS | ALKALINITY | PROGRAM | SERVICE |
|---|---|---|---|---|---|---|---|---|
| | 8.0 | | 103°F | | | | 3G2 | |

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Main Drain Cover | 13 | 14 |
| | Backflow Prevention | 15 | 16 |
| | Wastewater Prevention | 17 | 18 |
| | Water Supply & Quality | 19 | 20 |
| | Pipe & Fittings | 21 | ///// |
| CONST. | Bottom & Sides | 22 | 23 |
| | Decking & Coping | 24 | 25 |
| | Diving Boards | 26 | 27 |
| SAFETY EQUIPMENT | Gates & Fencing | 28 | 29 |
| | Spa Emergency Shut Off | 30 | 31 |
| | Test Kits | 32 | 33 |
| | Rescue Poles | 34 | 35 |
| | Life Rings | 36 | 37 |
| | Safety Signs | 38 | 39 |
| | Lifeguard | //// | 40 |
| | Lighting Elec. | 41 | 42 |
| | Ladders | 43 | 44 |
| | Depth Markers | 45 | 46 |
| | First Aid Kits | 47 | 48 |
| | Gas Masks | 49 | 50 |
| REST ROOMS | Showers | 51 | 52 |
| | Toilet & Dressing | 53 | 54 |
| | Ventilation | 55 | 56 |
| OTHER | Supervision & Control | | 57 |
| | General Sanitation | | 58 |
| | Miscellaneous | | 59 |

THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:

① Recomended pH is 7.5. Lower pH for Spa.

② Pool Log was Unavailable at the time of Inspection. Maintain a Log of Pool chemistry. Make log available for inspection

LEGAL ACTION: CITATION 71 ☐ CLOSURE 72 ☐ OTHER 73 ☐

RECEIVED BY: x

EH SPECIALIST:

BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $_____ WILL BE CHARGED IF NOT CORRECTED BY: _____

PAGE OF

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE
• 701 OCEAN ST., ROOM 312 • SANTA CRUZ, CA 95060 • (408) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | | |
|---|---|---|
| OWNER'S NAME/DBA: Toadal Fitness | POOL NAME: Spa 3612 | DATE: 5/11/99 |
| POOL/SPA ADDRESS: 113 Lincoln St. | | REINSPECTION DATE: 5/14/99 |
| MAILING ADDRESS: | | COMPUTER #: 2927 |

**DO NOT PURGE**

| CYN | TOTAL ALKALINITY | RATE OF FLOW | pH | CL | TEMP. | OTHER |
|---|---|---|---|---|---|---|
| | | | >8.0 | 0.5 | 103° | |

| TIME-IN | TIME-OUT |
|---|---|
| | |

**THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:**

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Backflow Prevention | 13 | 14 |
| | Wastewater Prevention | 15 | 16 |
| | Water Supply & Quality | 17 | 18 |
| | Pipe & Fittings | 19 | ////// |
| CON-STRUCTION | Pool Shell | ////// | 20 |
| | Bottom & Sides | 21 | 22 |
| | Decking & Coping | 23 | 24 |
| | Diving Boards | 25 | 26 |
| SAFETY EQUIPMENT | Rescue Pole | 27 | 28 |
| | Life Rings | 29 | 30 |
| | Safety Signs | 31 | 32 |
| | Lifeguard | ////// | 33 |
| | Lighting Elec. | 34 | 35 |
| | Ladders | 36 | 37 |
| | Depth Markers | 38 | 39 |
| | First Aid Kits | 40 | 41 |
| | Gas Masks | 42 | 43 |
| REST ROOMS | Showers | 44 | 45 |
| | Toilet & Dressing | 46 | 47 |
| | Ventilation | 48 | 49 |
| POOL QUALITY | Chlorine | | 50 |
| | pH | | 51 |
| | Cyanurates | | 52 |
| | Clarity | | 53 |
| | Test Kits | | 54 |
| OTHER | Supervision & Control | | 55 |
| | General Sanitation | | 56 |
| | Miscellaneous | | 57 |

(1) Adjust the free chlorine to 3.0 - 5.0 ppm

(2) Lower the pH to 7.4-7.6 using Muriatic acid.

The Spa does not have a light underwater.

BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $_____ WILL BE CHARGED IF NOT CORRECTED BY: _____.

POOL STATUS: (MARK ONE) 58 E ☐ 59 G ☐ 60 F ☐ 61 P ☐ 62 C ☐

RECEIVED BY: [signature]

EH SPECIALIST: [signature]

EHS-196 [9/93]

Notify Environmental Health of any change of ownership, type of business activity, business name, or billing address by calling (831) 454-2022. Failure to notify Environmental Health may result in late penalties, Permit denial or revocation, and business closure.
PERMITS TO OPERATE AND ANNUAL FEE PAYMENTS ARE NOT TRANSFERABLE. Permits become void on change of ownership. New owners must apply and pay for a new Permit(s) prior to beginning operation.

TOADAL FITNESS
113 LINCOLN ST
SANTA CRUZ, CA 95060

DETACH FORM HERE AND DISPLAY CONSPICUOUSLY ON THE PREMISES

**SANTA CRUZ COUNTY ENVIRONMENTAL HEALTH SERVICE**
**701 OCEAN STREET, ROOM 312**
**SANTA CRUZ, CA 95060**
**831-454-2022**

REGULATED FACILITY : **TOADAL FITNESS**
**113 LINCOLN ST**
**SANTA CRUZ, CA 95060**

Facility ID: FA0002212
Account ID: AR0002317
Issued: 02/23/00

OWNER NAME : **JEAN CHRISTOPHE BELLITO**

Permit Number

PR0002927 3612 SPA POOL/YEAR ROUND 4135
Valid From 12/31/99 to 12/31/00

Permits to operate and Annual Fee Payments are NOT TRANSFERABLE. Those referenced above are valid ONLY for this owner: JEAN CHRISTOPHE BELLITO. Permits become VOID on change of ownership. New owners must apply and pay for a new Permit(s) PRIOR to beginning operation or penalties will be assessed.

**THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES**

1017.rpt 02/16/2000

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE
• 701 OCEAN ST., ROOM 312 • SANTA CRUZ, CA 95060 • (408) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | | |
|---|---|---|
| OWNER'S NAME/DBA: Toadal Fitness | POOL NAME: 36a | DATE: 12-28-99 |
| POOL/SPA ADDRESS: 113 Lincoln st. | | REINSPECTION DATE: |
| MAILING ADDRESS: | | COMPUTER #: 2927 |

| CYN | TOTAL ALKALINITY | RATE OF FLOW | pH | CL | TEMP. | OTHER |
|---|---|---|---|---|---|---|
| | | | | >200 ppm | | |

| TIME-IN | TIME-OUT |
|---|---|
| | |

**THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:**

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Backflow Prevention | 13 | 14 |
| | Wastewater Prevention | 15 | 16 |
| | Water Supply & Quality | 17 | 18 |
| | Pipe & Fittings | 19 | ////// |
| CON-STRUCTION | Pool Shell | ////// | 20 |
| | Bottom & Sides | 21 | 22 |
| | Decking & Coping | 23 | 24 |
| | Diving Boards | 25 | 26 |
| SAFETY EQUIPMENT | Rescue Pole | 27 | 28 |
| | Life Rings | 29 | 30 |
| | Safety Signs | 31 | 32 |
| | Lifeguard | ////// | 33 |
| | Lighting Elec. | 34 | 35 |
| | Ladders | 36 | 37 |
| | Depth Markers | 38 | 39 |
| | First Aid Kits | 40 | 41 |
| | Gas Masks | 42 | 43 |
| REST ROOMS | Showers | 44 | 45 |
| | Toilet & Dressing | 46 | 47 |
| | Ventilation | 48 | 49 |
| POOL QUALITY | Chlorine | | 50 |
| | pH | | 51 |
| | Cyanurates | | 52 |
| | Clarity | | 53 |
| | Test Kits | | 54 |
| OTHER | Supervision & Control | | 55 |
| | General Sanitation | | 56 |
| | Miscellaneous | | 57 |

(1) The Free chlorine level is excessively high at more than 200 ppm. Drain the spa and refill then readjust the chemical levels. Free chlorine should be 3.0-5.0 ~~[illegible]~~ Ph should be 7.4-7.6.

(2) Provide an emergency shut of switch on the wall near the spa. The switch must have an audible alarm and turn off both the recirculation pump and the jet pump. Provide within 30 days.

*Spa is Closed until the free chlorine level is lowered to below 10.0 ppm. Call for an inspection when repairs are made.*

BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $_____ WILL BE CHARGED IF NOT CORRECTED BY: _____.

POOL STATUS: (MARK ONE) 58 E ☐ 59 G ☐ 60 F ☐ 61 P ☐ 62 C ☐

RECEIVED BY: [signature]

EH SPECIALIST: [signature]

EHS-106 [9/93]

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE
• 701 OCEAN ST., ROOM 312 • SANTA CRUZ, CA 95060 • (408) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | | |
|---|---|---|
| OWNER'S NAME/DBA: Toadal Fitness | POOL NAME: 36/2 | DATE: 12-29-99 |
| POOL/SPA ADDRESS: 113 Lincoln St. | | REINSPECTION DATE: 1-28-00 |
| MAILING ADDRESS: | | COMPUTER #: 2927 |

| CYN | TOTAL ALKALINITY | RATE OF FLOW | pH | CL | TEMP. | OTHER |
|---|---|---|---|---|---|---|
| | | | 7.6 | 6.0 | | |

| TIME-IN | TIME-OUT |
|---|---|
| | |

THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Backflow Prevention | 13 | 14 |
| | Wastewater Prevention | 15 | 16 |
| | Water Supply & Quality | 17 | 18 |
| | Pipe & Fittings | 19 | ////// |
| CON-STRUCTION | Pool Shell | ////// | 20 |
| | Bottom & Sides | 21 | 22 |
| | Decking & Coping | 23 | 24 |
| | Diving Boards | 25 | 26 |
| SAFETY EQUIPMENT | Rescue Pole | 27 | 28 |
| | Life Rings | 29 | 30 |
| | Safety Signs | 31 | 32 |
| | Lifeguard | ////// | 33 |
| | Lighting Elec. | 34 | 35 |
| | Ladders | 36 | 37 |
| | Depth Markers | 38 | 39 |
| | First Aid Kits | 40 | 41 |
| | Gas Masks | 42 | 43 |
| REST ROOMS | Showers | 44 | 45 |
| | Toilet & Dressing | 46 | 47 |
| | Ventilation | 48 | 49 |
| POOL QUALITY | Chlorine | | 50 |
| | pH | | 51 |
| | Cyanurates | | 52 |
| | Clarity | | 53 |
| | Test Kits | | 54 |
| OTHER | Supervision & Control | | 55 |
| | General Sanitation | | 56 |
| | Miscellaneous | | 57 |

Chemical levels have been returned to normal
Spa is approved to reopen.

(1) Provide an Emergency shutoff switch with audible alarm by January 28, 2000.

Taylor test kit model K-2006

BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $_____ WILL BE CHARGED IF NOT CORRECTED BY: _____.

POOL STATUS: (MARK ONE) 58 E ☐ 59 G ☐ 60 F ☐ 61 P ☐ 62 C ☐

RECEIVED BY: GD

EH SPECIALIST: Andrea Steele

EHS-196 (9/93)

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE
• 701 OCEAN ST., ROOM 312 • SANTA CRUZ, CA 95060 • (408) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | | |
|---|---|---|
| OWNER'S NAME/DBA: Frog Fitness | POOL NAME: Spa | DATE: 3/4/98 |
| POOL/SPA ADDRESS: 113 Lincoln | | REINSPECTION DATE: |
| MAILING ADDRESS: | | COMPUTER #: 2927 |

| CYN | TOTAL ALKALINITY | RATE OF FLOW | pH | CL | TEMP. | OTHER |
|---|---|---|---|---|---|---|
| | | | | | | 3612 |

| TIME-IN | TIME-OUT |
|---|---|
| | |

**THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:**

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Backflow Prevention | 13 | 14 |
| | Wastewater Prevention | 15 | 16 |
| | Water Supply & Quality | 17 | 18 |
| | Pipe & Fittings | 19 | ////// |
| CON-STRUCTION | Pool Shell | ////// | 20 |
| | Bottom & Sides | 21 | 22 |
| | Decking & Coping | 23 | 24 |
| | Diving Boards | 25 | 26 |
| SAFETY EQUIPMENT | Rescue Pole | 27 | 28 |
| | Life Rings | 29 | 30 |
| | Safety Signs | 31 | 32 |
| | Lifeguard | ////// | 33 |
| | Lighting Elec. | 34 | 35 |
| | Ladders | 36 | 37 |
| | Depth Markers | 38 | 39 |
| | First Aid Kits | 40 | 41 |
| | Gas Masks | 42 | 43 |
| REST ROOMS | Showers | 44 | 45 |
| | Toilet & Dressing | 46 | 47 |
| | Ventilation | 48 | 49 |
| POOL QUALITY | Chlorine | | 50 |
| | pH | | 51 |
| | Cyanurates | | 52 |
| | Clarity | | 53 |
| | Test Kits | | 54 |
| OTHER | Supervision & Control | | 55 |
| | General Sanitation | | 56 |
| | Miscellaneous | | 57 |

The spa is currently drained and not in use

Within two months, provide an emergency shut off switch with audible alarm to turn off the recirculation system and the jet system

**BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $ _____ WILL BE CHARGED IF NOT CORRECTED BY: _____.**

POOL STATUS: (MARK ONE) 58 E ☐ 59 G ☐ 60 F ☐ 61 P ☐ 62 C ☐

RECEIVED BY: [signature]

EH SPECIALIST [signature]

EHS-196 [9/93]

COUNTY OF SANTA CRUZ ● ENVIRONMENTAL HEALTH SERVICE
● 701 OCEAN ST., ROOM 312 ● SANTA CRUZ, CA 95060 ● (831) 454-2022

# SWIMMING POOL/SPA OFFICIAL INSPECTION REPORT

| | | | |
|---|---|---|---|
| OWNER'S NAME/DBA | Total Fitness | | DATE 3/10/10 |
| POOL/SPA ADDRESS | 113 Lincoln St SC | | RECHECK DATE |
| CHLORINE: 60 ☐ FREE 5/10 ppm TOTAL ____ COMBINED ____ | OTHER SANITIZER: 60 ☐ TYPE ____ READING ____ | | COMPUTER # 2927 |

| FLOW RATE | pH 61 ☐ | CYANURATES 62 ☐ | TEMP. 63 ☐ | CLARITY 64 ☐ | CA HARDNESS | ALKALINITY | PROGRAM | SERVICE |
|---|---|---|---|---|---|---|---|---|
| | | + | 100°F | Clear | | | 3612 | 002 |

| | | STR | OPER |
|---|---|---|---|
| RECIRCULATION EQUIPMENT | Filters | 1 | 2 |
| | Pumps | 3 | 4 |
| | Chlorinator | 5 | 6 |
| | Flowmeter | 7 | 8 |
| | Gauges | 9 | 10 |
| | Skimmers & Gutters | 11 | 12 |
| | Main Drain Cover | 13 | 14 |
| | Backflow Prevention | 15 | 16 |
| | Wastewater Prevention | 17 | 18 |
| | Water Supply & Quality | 19 | 20 |
| | Pipe & Fittings | 21 | ///// |
| CONST. | Bottom & Sides | 22 | 23 |
| | Decking & Coping | 24 | 25 |
| | Diving Boards | 26 | 27 |
| SAFETY EQUIPMENT | Gates & Fencing | 28 | 29 |
| | Spa Emergency Shut Off | 30 | 31 |
| | Test Kits | 32 | 33 |
| | Rescue Poles | 34 | 35 |
| | Life Rings | 36 | 37 |
| | Safety Signs | 38 | 39 |
| | Lifeguard | //// | 40 |
| | Lighting Elec. | 41 | 42 |
| | Ladders | 43 | 44 |
| | Depth Markers | 45 | 46 |
| | First Aid Kits | 47 | 48 |
| | Gas Masks | 49 | 50 |
| REST ROOMS | Showers | 51 | 52 |
| | Toilet & Dressing | 53 | 54 |
| | Ventilation | 55 | 56 |
| OTHER | Supervision & Control | | 57 |
| | General Sanitation | | 58 |
| | Miscellaneous | | 59 |

THE MARKED ITEMS REPRESENT HEALTH CODE VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:

Provide completed VGB installation/documentation of same, if you have not already done so. Spa appears to lack any VGB upgrades eg. No dual drains equalizer port covers...

Equipment Room:
Pentair Whisperflow 3/4 HP
Cartridge Filter
Auto Chlorinator: RolaChem
No evidence of any "Stingl, vacuum or anti suction fixtures observed this date. Please ensure spa can remain open past June 30 2010 by providing required upgrades & their permitted approval documentation.
Please call if any questions: 454-2744 8-9 Am Mon-Thu

(57) Provide daily check & record pool chem.

LEGAL ACTION: CITATION 71 ☐ CLOSURE 72 ☐ OTHER 73 ☐

RECEIVED BY: [signature]

EH SPECIALIST: Kathryn Conley

BY RESOLUTION OF THE BOARD OF SUPERVISORS A VIOLATION REINSPECTION FEE OF $____ WILL BE CHARGED IF NOT CORRECTED BY: ____

PAGE 1 OF 1

EHS-196 (REV. 2/00)

Nicholas Roure 831/423-3769
9-11 Am

**ENVIRONMENTAL HEALTH SERVICE**
**RECORD CHANGE**

Record ID 2927 P/E 3612 EH Specialist P. McCauley Dist. 2050 Date: 11/17/10

( ) New - Add to Inventory ( ) Inactive ( ) Change of Name ( ) Change of Mailing Add.
(✓) Delete from Inventory ( ) Change of Owner ( ) Change of Facility Add. ( ) Change of Status (P/E)

**NEW INFORMATION (fill in changed items only)**

Owner: _____ Contact Person _____

Owner Address (if different) _____ City _____ State _____ Zip _____

DBA: _____ Phone (____) _____ Ext.: _____

DBA Address: _____ City _____ State _____ Zip _____

New Program Element _____ Fax : (____) _____

**OLD INFORMATION**

Owner: Jean Christophe Bellito Contact Person _____

Owner Address (if different) _____ City: _____ State: _____ Zip: _____

DBA: Toadal Fitness Phone: (____) _____ Ext.: _____

DBA Address: 113 Lincoln St City: S.C. State: CA Zip: 95060

Old Program Element 3612 Fax : (____) _____

**REMARKS: (Explain all changes)**

Spa Has Been Removed. There is No Spa in the Gym.

PM

EFW UPDATED: 11/17/10 (Date) BY Natalie (Clerk) FA# 2212

S:\Forms\ All EHS Forms\EHS-142 (REV. 10/08)

SANTA CRUZ COUNTY ENVIRONMENTAL HEALTH SERVICE
701 OCEAN STREET, ROOM 312
SANTA CRUZ, CA 95060 831-454-2022

RECEIVED BY
SANTA CRUZ COUNTY
ENVIRONMENTAL HEALTH

November 16, 2010

2010 NOV 22 PM 4 25

# HEALTH PERMIT INVOICE - THIS IS YOUR ONLY NOTICE

PLEASE RETURN COMPLETE INVOICE WITH YOUR PAYMENT
IN THE ENCLOSED ENVELOPE

TO: TOADAL FITNESS
113 LINCOLN ST
SANTA CRUZ, CA 95060

Write off

Invoice ID: IN0054979

Expiration Date: 6/30/2010

Facility ID: FA0002212

Inactive

RE: TOADAL FITNESS
113 LINCOLN ST
SANTA CRUZ

Business Phone: 831-423-3764

| Program Record ID | Program/ Element | Description | Amount | Permit No. |
|---|---|---|---|---|
| PR0002927 | 3612 | SPA POOL - YEAR ROUND | $613.00 | 4135 |
| | 3697 | California AB 1020 VGB Surcharge | $6.00 | 4135 |

PLEASE MAKE ANY NECESSARY CHANGES TO THE ABOVE INFORMATION

Total Due on or before 12/31/2010 **$ 619.00**

PAYMENTS NOT RECEIVED BY THE ABOVE DUE DATE WILL BE ASSESSED A 50% PENALTY

* SPA HAS BEEN REMOVED FROM THE FACILITY. *

THANK YOU.

FOR EHS USE ONLY

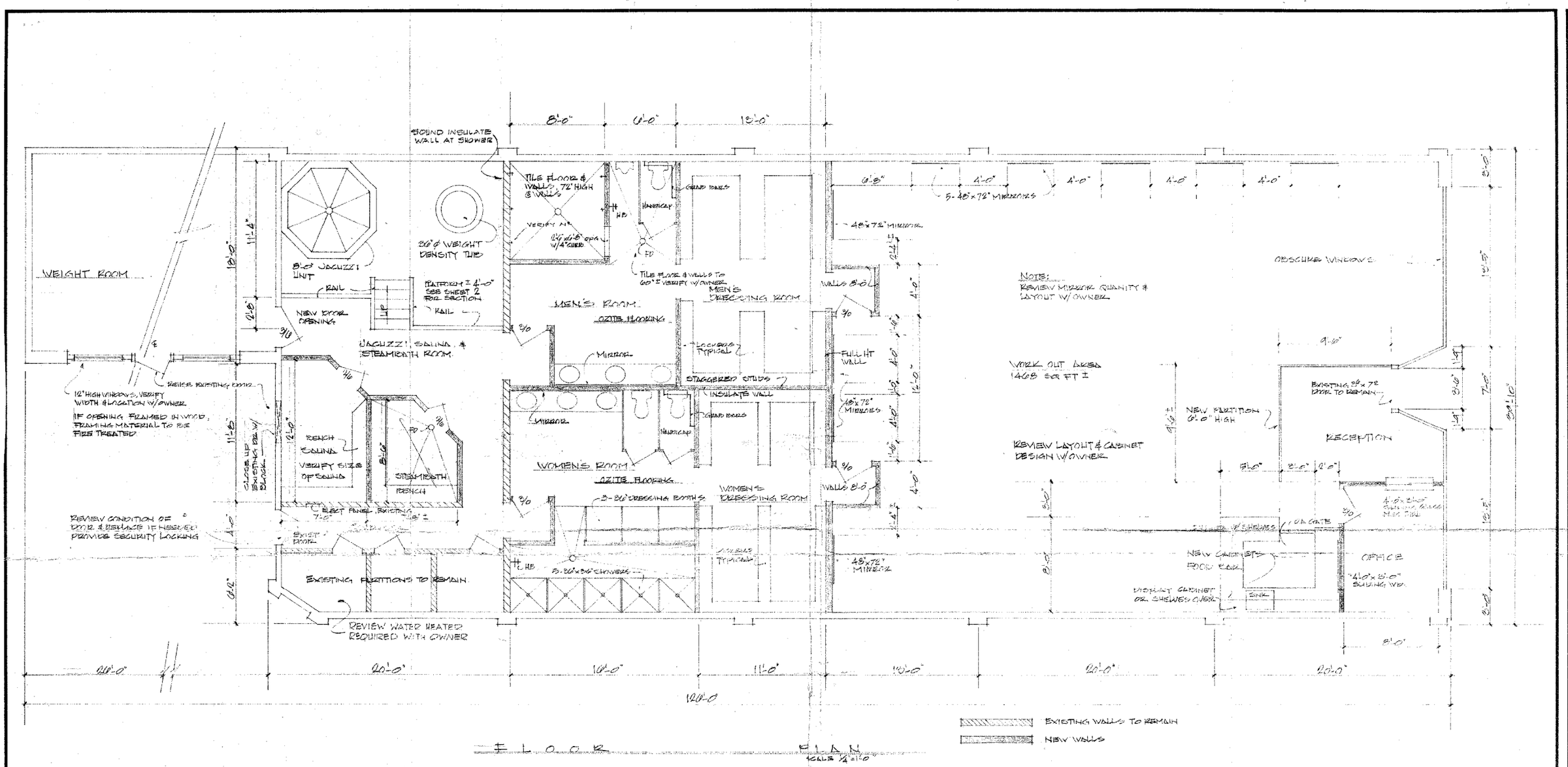
DATE PAID_____ AMOUNT PAID_____ CASH ___ CHECK ___ # _____ DATE_____

DATE INSPECTED _____ VEHICLE LICENSE No._____ DECAL No. _____

DISTRICT # _____ LOCATION No._____ RECORD ID No._____ DATE POSTED: _____

APPROVAL TO ISSUE RENEWAL PERMIT _____ DATE _____
EH SPECIALIST

5201.rpt 11/16/2010




## INTERIOR FINISH SCHEDULE

| ROOM | FLOOR: Carpet & Pad | Vinyl Tile | Ceramic Tile | Exposed Conc | Ozite | | | BASE: Wood (Paint Finished) | Top Set Vinyl | Ceramic Tile | WALLS: 1/2" Gyp Bd | 1/2" Water Resist. Gyp Bd | Ceramic Tile | Concrete | CEILING: 1/2" Gyp Bd | 1/2" Water Resist. Gyp Bd | Plaster | HEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RECEPT AREA | ○ | | | | | | | ○ | | | ② | | | | ② | | | | |
| WORKOUT AREA | ○ | | | | | | | ○ | | | ② | | | ○ | ② | | | | |
| MENS DR. ROOM | ○ | | | | | | | ○ | | | ② | | | | ② | | | 8'-0" | |
| MENS TOILET ROOM | | | | ○ | | | | | | | ③ | ○ | ○ | | | ③ | | " | |
| WOMENS DR. ROOM | ○ | | | | | | | ○ | | | ② | | | | ② | | | " | TILE & SANC. SHOWER TO 6'-0" |
| WOMENS TOILET ROOM | | | | ○ | | | | | | | ③ | ○ | ○ | | | ③ | | " | |
| JACUZZI & SAUNA | | | ○ | | | | | | | ○ | | ③ | | | | ③ | | | |
| STEAMBATH | | | ○ | | | | | | | ○ | | ③ | ○ | | | ③ | | | |
| CORRIDOR | ○ | | | | | | | ○ | | | ② | | | | ② | | | | |
| EXIST TOILET RMS. | | ○ | | | | | | | ○ | | ② | | | | ② | | | | |
| STORAGE | | ○ | | | | | | | ○ | | ② | | | | ② | | | | |
| WEIGHT ROOM | ○ | | | | | | | ○ | | | | | | ② | ② | | | | |
| OFFICE | ○ | | | | | | | ○ | | | ○ | | | | ○ | | | | |

## GENERAL NOTES:

1. OWNER & CONTRACTOR WILL NEGOTIATE ALL WORK.
2. THESE DRAWINGS ARE INTENDED AS A GUIDE FOR THE WORK TO BE DONE, AND ARE NOT INTENDED TO BE USED AS A FINAL INSTRUMENT FOR DETERMINING EXTENT OR METHOD OF WORK.
3. THE CONTRACTOR SHALL REVIEW ALL PHASES OF THE WORK WITH THE OWNER.
4. REMOVE ALL EXISTING FLOOR TILE, REVIEW CONDITION OF EXISTING FLOOR & APPLY A SEALER IF DETERMINED NECESSARY.
5. ALL WORK TO MEET LOCAL CODES.
6. PLUMBING FIXTURES TO BE SELECTED BY OWNER.
7. PROVIDE ALL HANDICAP HARDWARE TOILET PAPER HOLDERS, SOAP DISPENSERS ETC. FOR A COMPLETE JOB.
8. REVIEW GARAGE USE WITH OWNER.
9. REVIEW ALL PAINTING & COLOR SELECTION W/OWNER.
10. SHOWER STALLS & TOILET PARTITIONS SHOWN AS SANITMETAL, OR EQUAL
11. PROVIDE GRAB BARS @ SIDE & REAR @ HANDICAP STALLS PER UBC 1976 SECT 1711
12. FURR WALLS AS NEEDED FOR PLUMBING
13. MECHANICAL & VENTING LAYOUT BY BOGNER.


WASHINGTON-JENSEN AND ASSOCIATES
ENGINEERS AND PLANNERS
4590 Garrod Street (P.O.Box 235)
Capitola, California 95010
Phone (408) 475-4284


ETHNIC CUISINE
FORMER WESTERN AUTO STORE
LINCOLN ST. SANTA CRUZ
BROWN & FLEMING, INC. OWNERS

FLOOR PLAN

SCALE: AS NOTED | DATE: FEB. 1980 | DRAWN: | APPROVED: C.W. JENSEN C.E. 19803

JOB NO. 8022

**511 Cedar Street**
(Pacific Dry Cleaners)
---
HMMP Records

Section I -

#001700

California Hazardous Materials Inventory Reporting Form - Business & Owner/Operator Identification Page

CALENDAR YEAR BEGINNING (1) 5/30/97 ENDING (2) 5/30/98 (3) PAGE 1 OF

BUSINESS NAME (4) Pacific Dry Cleaners BUSINESS PHONE: (5) 408 423 0644

SITE ADDRESS (6) 511 Cedar St.

CITY (7) SANTA CRUZ STATE (8) CA ZIP (9) 95060

DUN & BRADSTREET (10) N/A SIC CODE (4 DIGIT#) (11) 7212

OPERATOR NAME (12) Chung H. LEE OPERATOR PHONE (13) 408 423 0644

## OWNER INFORMATION

OWNER NAME (14) Chung H. LEE OWNER PHONE (15) 408 423 0644

OWNER MAILING ADDRESS (16) 511 Cedar ST.

CITY (17) SANTA CRUZ STATE (18) CA ZIP (19) 95060

## ENVIRONMENTAL CONTACT

CONTACT NAME (20) Chung H. LEE CONTACT PHONE (21) 408 423 0644

MAILING ADDRESS (22) 511 Cedar ST.

CITY (23) SANTA CRUZ STATE (24) CA ZIP (25) 95060

## EMERGENCY CONTACTS

| Primary | | Secondary | |
|---|---|---|---|
| NAME: (26) | Chung H. LEE | NAME: (31) | |
| TITLE: (27) | owner 831 | TITLE: (32) | |
| BUSINESS PHONE: (28) | ~~408~~ 423 0644 | BUSINESS PHONE: (33) | |
| 24-HOUR PHONE: (29) | ~~408~~ 458 1869 | 24-HOUR PHONE: (34) | |
| PAGER #: (30) | 831 | PAGER #: (35) | |

## ACUTELY HAZARDOUS MATERIALS (AHM)

ON SITE AHM (36) ☐ Yes ☑ No If yes, and above Threshold Planning Quantities, attach a sheet of paper with a general description of the process and principal equipment.

## ADDITIONAL LOCALLY COLLECTED INFORMATION

(37)

SEE THE REVERSE SIDE OF THIS PAGE

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

Print Name of Document Preparer (38) Chung H. LEE

Signature of Owner/Operator (39) Date (40) 5/30 97

OES Form 2730(04/96)

# SANTA CRUZ COUNTY
# LOCALLY COLLECTED INFORMATION

(37) (A) NEAREST CROSS STREET: Cedar / CATHCART

(B) ASSESSOR'S PARCEL NUMBER: 05-148-4 (C) FIRE DISTRICT: SANTA CRUZ

(D) BUSINESS HOURS: MF 7-to 6 / S 9-4 NUMBER OF SHIFTS: 2 NUMBER OF EMPLOYEES: 4

(E) IN CITY LIMITS: ☑ YES ☐ NO (F) COUNTY SUPERVISOR DISTRICT: 3

(G) WATER DISTRICT: SANTA CRUZ (H) DEPTH TO WATER TABLE: 10 FT ±

(I) FLOOD ZONE: ☑ YES ☐ NO (J) EARTHQUAKE FAULTS: ☑ YES ☐ NO

(K) SURROUNDING GENERAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (ZONING):

North: SANTA CRUZ Hi school

South: DOWNTOWN district

East: city of SANTA CRUZ

West:

(L) SPECIAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (SCHOOLS, HOSPITALS, INSTITUTIONS, etc.):

North: Cavalary Church

South:

East: Doctor on Duty

West: Santa Cruz Boys and Girls Club

I declare under penalty of perjury, the information contained herein is true and correct. If there is any change which would materially affect any information contained in this plan, I will notify Environmental Health Service and apply for an appropriate amendment to the plan as required by applicable County/City hazardous materials codes.

I agree to reimburse the County/City for all costs incurred by the County/City to remedy the effects of any unauthorized release.

I agree to indemnify, hold harmless and defend the County/City against any claim, cause of action, disability, loss, liability, damage, cost or expense, howsoever arising, which occurs by reason of an unauthorized discharge in connection with permittee's operations under this permit.

DATE: 5/30. 97

| PRINT NAME - APPLICANT | SIGNATURE | TITLE |
|---|---|---|
| Chung H. Lee | [signature] | owner |
| PRINT NAME - BUSINESS OWNER | SIGNATURE | TITLE |
| Chung H. Lee | [signature] | owner |

EHS-98ST (REV. 4/97)

**Section II -**

California Hazardous Materials Inventory Reporting Form - Chemical Description Page

☑ ADD ☐ DELETE ☐ REVISE

PAGE (2) ____ OF (3) ____

BUSINESS NAME (4) Pacific Dry Cleaners

CHEMICAL LOCATION (5) Dry cleaning Machine

MAP# (6) 1 GRID # (7) 6D

CHEMICAL NAME (8) Tetrachloroethylene

TRADE SECRET (11) ☐ Y ☑ N

COMMON NAME (9) Perchloroethylene

EHS (12) ☐ Y ☑ N

CAS# (10) 000127-18-4

IF EHS BOX IS "Y" ALL AMOUNTS MUST BE IN LBS

FIRE CODE HAZARD CLASSES (13) N/F

TYPE (14) ☑ PURE ☐ MIXTURE ☐ WASTE

RADIOACTIVE (15) ☐ Y ☑ N (16) N/A CURIES

PHYSICAL STATE (17) ☐ SOLID ☑ LIQUID ☐ GAS

FED HAZARD CATEGORIES (18) ☐ FIRE ☑ REACTIVE ☐ PRESSURE RELEASE ☐ ACUTE HEALTH ☐ CHRONIC HEALTH

STATE WASTE CODE (19) 741

UNITS (22) ☑ GAL ☐ CU FT ☐ LBS ☐ TONS

MAX DAILY AMT (23) 100 G/A

DAYS ON SITE (20) 60

If EHS, amounts must be in lbs.

AVG DAILY AMT (24) 100 G/A

LARGEST CONTAINER (21) 140 G/A

ANNUAL WASTE AMT (25) 50G/A ±

STORAGE CONTAINER (26)

| | | | |
|---|---|---|---|
| ☑ ABOVE GROUND TANK | ☐ CAN | ☐ BOX | ☐ TANK WAGON |
| ☐ UNDER GROUND TANK | ☐ CARBOY | ☐ CYLINDER | ☐ RAIL CAR |
| ☐ TANK INSIDE BUILDING | ☐ SILO | ☐ GLASS BOTTLE | ☐ _____ |
| ☐ STEEL DRUM | ☐ FIBER DRUM | ☐ PLASTIC BOTTLE | |
| ☐ PLASTIC/NONMETALLIC DRUM | ☐ BAG | ☐ TOTE BIN | |

STORAGE PRESSURE (27) ☑ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT

STORAGE TEMPERATURE (28) ☑ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT ☐ CRYOGENIC

| | (29) %WT | (30) HAZARDOUS COMPONENT | (31) EHS | (32) CAS# |
|---|---|---|---|---|
| 1 | | | ☐ Y ☐ N | |
| 2 | | | ☐ Y ☐ N | |
| 3 | | | ☐ Y ☐ N | |
| 4 | | | ☐ Y ☐ N | |
| 5 | | | ☐ Y ☐ N | |

(33) ADDITIONAL LOCALLY COLLECTED INFORMATION

**If you have identified the chemical type as a "waste" (#14 above), please enter your Cal/EPA Waste Generator ID Number here:** CAD 981632458

**If you need to obtain a Cal/EPA Waste Generator ID Number, you may do so by calling: (916) 324-1781.**

# Chemical Inventory Form

(For chemicals below State Thresholds of 55 gals., 200 cu. ft., or 500 lbs.)

Business Name Pacific Dry Cleaners Site Address 511 Cedar St. Page ____

| Hazard Class * | Common/Chemical Name (If the material is a waste, include the word "waste") | Number of Containers | Container Size | Units | Map No. | Grid No. | Secondary Containment | Brief Description of Use or Waste EPA I.D.# |
|---|---|---|---|---|---|---|---|---|
| ~~N/F~~ | ~~Tetrachloroethylene~~ | ~~1~~ | ~~140~~ G/A | G/A | | | ~~Yes / No~~ | ~~Dry cleaning Solvent~~ |
| ORM | Waste Tetrachloroethylene Filter | 2 | 60 | lb | | | Yes / No | CAD 981632458 Waste |
| ORM | Waste Tetrachloroethylene Oil | 1 | 195 | lb | | | Yes / No | " |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |
| | | | | | | | Yes / No | |

* Please refer to the instructions for assitance in determining the Hazard Class

**Trade Secrets: If any of the information required to be disclosed as part of the HMMP is considered a trade secret as defined by Section 6254.7 of the Government Code and Section 1060 of the Evidence Code, the information must be provided nonetheless, but the user shall notify Environmental Health Service in writing of the information which the user considers to be trade secret information.**

EHS-98SH (REV. 4/97)

COUNTY OF SANTA CRUZ ● ENVIRONMENTAL HEALTH SERVICE
● 701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060 ● (831) 454-2022

# OFFICIAL INSPECTION REPORT

| | |
|---|---|
| DBA/NAME Pacific Dry Cleaners | DATE 10/17/05 |
| ADDRESS 511 Cedar St | RECHECK DATE Routine |
| OWNER/OPERATOR Chum H. Lee | PERMIT # FA 17000 |

| TIME-IN | TIME-OUT | The marked items are violations of the Health and Safety Code and local hazardous materials codes and must be corrected as follows: |
|---|---|---|
| | ☐ 1. Permit to Operate | Permit Current Yes Posted Yes |
| | ☐ 2. HMMP Complete | Expires 5/2006 |
| | ☐ 3. Change in Conditions | |
| | ☐ 4. Disclosure | HMMP Dated 5/97 |
| | ☐ 5. Response Plan | |
| | ☐ 6. ER Procedures Posted | HMMP Current? |
| | ☐ 7. Response Equipment | |
| | ☐ 8. Training | ER Contacts NO |
| | ☐ 9. Permits | Disclosure |
| | ☐10. Violations Corrected | Maps Change |
| | ☐11. Records | Other |
| | ☐12. Handling | |
| | ☐13. Monitoring Plan | ER Procedure Posted |
| | ☐14. Operational | |
| | ☐15. Records | |
| | ☐16. Storage Use Locations | |
| | ☐17. Labeling/I.D. | OK |
| | ☐18. Container Condition | |
| | ☐19. Secondary Containment | |
| | ☐20. Incompatibles | |
| | ☐21. Security | |
| | ☐22. Housekeeping | |
| | ☐23. Process Audits | |
| | ☐24. Unauthorized Releases | |
| | ☐25. Safety Hazards | |

**A VIOLATION REINSPECTION FEE WILL BE CHARGED IF VIOLATIONS ARE NOT CORRECTED PRIOR TO THE RECHECK DATE**

| | |
|---|---|
| INSPECTOR [signature] | RECEIVED BY: [signature] |
| PHONE 831-454-2754 | TITLE Owner |

HSA-559.1 (REV. 7/98)

COUNTY OF SANTA CRUZ ● ENVIRONMENTAL HEALTH SERVICE ● 701 OCEAN ST., RM. 312 ● (408) 454-2022

**OFFICIAL INSPECTION REPORT**

| | |
|---|---|
| DBA/NAME Pacific Dry Cleaners | DATE 10/17/00 |
| ADDRESS 511 Cedar St | RECHECK DATE Routik. |
| OWNER/OPERATOR Chung H. Lee | PERMIT # |

HAZARDOUS WASTE MANAGEMENT

GENERAL

- ☐ 42. Waste Determination
- ☐ 43. EPA#
- ☐ 44. Treatment/Disposal
- ☐ 45. Storage Over 90 Days
- ☐ 46. Labeled
- ☐ 47. Container Condition
- ☐ 48. Secondary Containment
- ☐ 49. Incompatibles
- ☐ 50. Co-Mingling
- ☐ 51. Container Handling
- ☐ 52. Security
- ☐ 53. Warning Signs

DISPOSAL

- ☐ 54. Property Line
- ☐ 55. Manifests
- ☐ 56. Extremely Haz Waste
- ☐ 57. Packaging
- ☐ 58. Disposal/Approved Facility
- ☐ 59. Licensed Hauler

RECORDS

- ☐ 60. Manifests Available
- ☐ 61. Annual Reports
- ☐ 62. Maintenance
- ☐ 63. Emergency Response
- ☐ 64. Preparedness/Prevention

The marked items are violations of the Health & Safety Code and must be corrected as follows:

New Wash Stream
NO Perc.

Still Waste Liquor
ck File.

A reinspection fee will be charged when violations noted are not corrected prior to the recheck date noted above

INSPECTOR: Steve Barrock

PHONE # 831-454-2754

RECEIVED BY: [signature]

TITLE: Owner

HSA-559-3 (12/92)

COUNTY OF SANTA CRUZ ● ENVIRONMENTAL HEALTH SERVICE
● 701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060 ● (831) 454-2022

# OFFICIAL INSPECTION REPORT

| | |
|---|---|
| DBA/NAME: Pacific Dry Cleaners | DATE: 5/15/08 |
| ADDRESS: 511 Cedar St | RECHECK DATE: Routine |
| OWNER/OPERATOR: Chum H Lee | PERMIT #: |

| TIME-IN | TIME-OUT | The marked items are violations of the Health and Safety Code and local hazardous materials codes and must be corrected as follows: |
|---|---|---|
| | ❒ 1. Permit to Operate | Permit Current? Yes Posted Yes |
| | ❒ 2. HMMP Complete | Expires? 5/2009 |
| | ❒ 3. Change in Conditions | |
| | ❒ 4. Disclosure | HMMP Dated - 5/97 |
| | ❒ 5. Response Plan | |
| | ❒ 6. ER Procedures Posted | HMMP Current |
| | ❒ 7. Response Equipment | Same |
| | ❒ 8. Training | ER Contacts |
| | ❒ 9. Permits | Disclosure |
| | ❒10. Violations Corrected | Map |
| | ❒11. Records | |
| | ❒12. Handling | Tanks → 110 Max → 50 gallons of |
| | ❒13. Monitoring Plan | Working Solutions |
| | ❒14. Operational | |
| | ❒15. Records | |
| | ❒16. Storage Use Locations | OK |
| | ❒17. Labeling/I.D. | |
| | ❒18. Container Condition | |
| | ❒19. Secondary Containment | |
| | ❒20. Incompatibles | |
| | ❒21. Security | |
| | ❒22. Housekeeping | |
| | ❒23. Process Audits | |
| | ❒24. Unauthorized Releases | |
| | ❒25. Safety Hazards | |

**A VIOLATION REINSPECTION FEE WILL BE CHARGED IF VIOLATIONS ARE NOT CORRECTED PRIOR TO THE RECHECK DATE**

| | |
|---|---|
| INSPECTOR: [signature] | RECEIVED BY: [signature] |
| PHONE: 831-454-2754 | TITLE: |

HSA-559.1 (REV. 7/98)

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE • 701 OCEAN ST., RM. 312 • (408) 454-2022

**OFFICIAL INSPECTION REPORT**

| | |
|---|---|
| DBA/NAME Pacific Dry Cleaners | DATE 5/15/98 |
| ADDRESS 511 Cedar St | RECHECK DATE |
| OWNER/OPERATOR | PERMIT # |

HAZARDOUS WASTE MANAGEMENT

GENERAL

- ☐ 42. Waste Determination
- ☐ 43. EPA#
- ☐ 44. Treatment/Disposal
- ☐ 45. Storage Over 90 Days
- ☐ 46. Labeled
- ☐ 47. Container Condition
- ☐ 48. Secondary Containment
- ☐ 49. Incompatibles
- ☐ 50. Co-Mingling
- ☐ 51. Container Handling
- ☐ 52. Security
- ☐ 53. Warning Signs

DISPOSAL

- ☐ 54. Property Line
- ☐ 55. Manifests
- ☐ 56. Extremely Haz Waste
- ☐ 57. Packaging
- ☐ 58. Disposal/Approved Facility
- ☐ 59. Licensed Hauler

RECORDS

- ☐ 60. Manifests Available
- ☐ 61. Annual Reports
- ☐ 62. Maintenance
- ☐ 63. Emergency Response
- ☐ 64. Preparedness/Prevention

The marked items are violations of the Health & Safety Code and must be corrected as follows:

SafeClean x2 year
15 gallon → Recycle
Hydro Acid
Oil

A reinspection fee will be charged when violations noted are not corrected prior to the recheck date noted above

| | |
|---|---|
| INSPECTOR: Steve Barock | RECEIVED BY: |
| PHONE # 831-454-2754 | TITLE: |

HSA-559-3 (12/92)

# 207 Church Street

(former Sentinel Building)

---

Groundwater Monitoring Report

- low concentration, regional TCE Plume

**Weber, Hayes & Associates**
**Hydrogeology and Environmental Engineering**
120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 Fax (831) 722-1159
www.weber-hayes.com

April 18, 2012

**Wei Liu, Ph.D, D.G.**
**California Regional Water Quality Control Board**
**- Central Coast Region**
**Site Cleanup Program**
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401-7906

**Cruzio Internet & Ecology Action**
**c/o: Peggy Dolgenos**
877 Cedar Street
Santa Cruz, California

**Steve Baiocchi, REHS II**
**County of Santa Cruz Health Services Agency**
**- Environmental Health**
701 Ocean Street, Room 312
Santa Cruz, California 95060

Subject: **Annual Groundwater Monitoring Report - First Quarter 2012**

Location: **Former Santa Cruz Sentinel Building**
207 Church Street, Santa Cruz, California (the Site)
(Note: address recently changed to 877 Cedar Street)

## 1.0 EXECUTIVE SUMMARY

This letter report presents the results of annual groundwater monitoring conducted during the first quarter of 2012 at the above referenced Site (see Location Map, Figure 1). Annual groundwater monitoring of the Sites' existing five (5) well network has been required by the California Regional Water Quality Control Board – Central Coast Region (Water Board) to monitor a low-level solvent plume initially detected at the Site during a 2009 property transaction screening assessment[1].

Subsequent investigations completed at the Site included extensive up- and downgradient groundwater sampling which confirmed the primary source (if not the entire source) of solvents detected in shallow groundwater at, and in the immediate vicinity of the Site is dominantly the result of a widespread solvent plume that appears to originate from a property or properties located over 500 feet upgradient from the subject Site[2]. Based on the extensive groundwater data set collected at and around the Site the Water Board has concurred that there is an upgradient primary source of the widespread solvent plume and that the Site itself may have little to no contribution.

[1] Regional Water Quality Control Board – Central Coast Region, Site Cleanup Program: *207 Church Street, Santa Cruz, Santa Cruz County; Review of Soil and Groundwater Data Gap Assessment – Step Out Boring to Determine Off-Site Source of Contamination*, dated February 16, 2011

[2] Weber, Hayes & Associates: *Soil and Groundwater Data Gap Assessment – Step-Out Borings to Determine Off-Site Source of Contamination*, dated January 11, 2011

### 1.1 Summary of Background Information

The relatively low-concentrations of solvent contaminants in groundwater that are driving this investigation were initially discovered during a property transaction screening investigation completed in 2009 (Geologica, August 2009). The source of the dissolved solvent plume was initially attributed to potential leakage from a damaged sanitary sewer lateral, where commercial photo-chemical wastewaters generated by the previous occupant were historically disposed under authority of a City discharge permit (i.e., the Sentinel Newspaper operations). The sewer line was hypothesized to be the source of the detected low-concentration solvent compounds because:

- Video logging of the underground sewer piping showed some breaks in the Site's sewer lateral, and
- The highest detections of solvent concentrations detected during the property transaction screen appeared to coincide with these video logged sewer breaks,
- Nitrate concentrations, a potential indicator of a sewer line leakage, were co-located with the low-level solvent concentrations, further suggesting sewer line leakage (WHA, December 2009).

The commercial wastewater discharge was terminated in 2008 and the damaged sewer lateral was repaired as part of Site redevelopment activities in 2009.

**2010 Data Gap Assessment:** A Data Gap Assessment[2] was completed between September and December 2010 that included the installation of step-out borings designed to:

1) determine the lateral extent of low-level solvent concentrations in groundwater that were initially believed to originate from the Site, and
2) determine whether or not an alternate source of solvent contamination exists at an upgradient location.

This data gap assessment included groundwater sampling from twenty-eight "step-out borings" that were strategically positioned in the vicinity of the Site. The exploratory borings were positioned at target locations based on a comprehensive research of historical land uses. **The results of this extensive drilling and sampling program suggest that the primary source (if not the entire source) of the widespread solvent plume appears to originate from a property or properties located over 500 feet upgradient from the subject Site.** The data set shows an elevated spike of solvent concentrations detected adjacent to an upgradient parcel that previously contained a historic auto repair & paint shop that operated from at least 1950 through 1965. Properties located further upgradient of this auto repair shop contained a bulk chemical storage facility that operated from at least 1928 through 1950. Figure A-1 (see Appendix A) presents a current aerial vicinity map with an overlay of historic land uses of significance, and Figure A-2 (see Appendix A) presents an overlay of the dissolved solvent contaminant results, including the solvent spike at driven probe boring DP-24.

Details of Site subsurface conditions and previously completed environmental investigations, including well installations and water quality monitoring, are included in Appendix A.

### 1.2 Overview of Current Groundwater Monitoring Activities

| Overview of Activities Completed During the Current Annual Event | |
|---|---|
| **Monitoring Network Overview & Frequency of Groundwater Sampling:** | **Gauging and sampling of first encountered groundwater is conducted annually in all 5 existing shallow-screened wells (MW-1 through MW-5), which were installed to monitor a low-level, solvent plume in (see Figure 2.)** |
| **Current Tasks & Reporting:** | **All wells in the 5-well network were successfully gauged and sampled during the current event (March 21, 2012).** |
| **Current Depth to Groundwater:** | **First encountered groundwater beneath the Site has generally been found at depths ranging from approximately 9-12 feet below ground surface. Currently, groundwater measured from the surveyed, top-of-well-casings ranges from 3.65 to 3.93 feet MSL.** |
| **$Change_{Avg.}$ in Groundwater Elevation:** | **Groundwater elevation were an average of 0.82 feet as compared with the previous monitoring event conducted in June 2010.** |
| **Current Groundwater Gradient: (Figure 2)** | **As noted on Figure 2, the groundwater gradient measured on March 21, 2012 was to the east-northeast (0.002 ft/ft, which is equal to about 1 foot of vertical drop per 500 feet of lateral flow). This is consistent with the previous monitoring events, which have shown groundwater flow direction to range from the southeast to the northeast (Nov- 2009 to the present) with an extremely flat gradient.** |
| **Remediation Efforts?:** | **The sewer line was hypothesized to be the source of the detected low-concentration solvent compounds and has since been repaired. The Water Board has required no active remediation at the Site as the dominant contribution of low-level solvent compounds in groundwater has been confirmed to originate from an upgradient source.** |

### 1.3 Summary of Current Groundwater Analytical Results

Two of the five shallow monitoring wells contained solvent compound concentrations that slightly exceed the regulatory *Maximum Contaminant Levels (MCLs)* for a drinking water resource (i.e., MW-1, and MW-2; see Table 1 & Figure 2). The detections were similar in magnitude to three previous rounds of sampling. Detected solvent compounds include Trichloroethene (TCE), cis-1,2 Dichloroethene (cis-1,2 DCE) and Vinyl Chloride. Specifically:

- TCE: Current concentrations of TCE range from non-detectable to 17 parts per billion (ppb). TCE concentrations exceed the established drinking water *MCL* of 5 ppb in wells MW-1 (detected at 17 ppb) and MW-2 (6.9 ppb).

- Cis-1,2 DCE: Current concentrations of cis-1,2 DCE range from non-detectable to 28 ppb. Cis-1,2-DCE concentrations exceed the established drinking water *MCL* of 6 ppb in wells MW-1 (detected at 28 ppb) and MW-2 (26 ppb).
- Vinyl Chloride: Current concentrations of Vinyl Chloride range from non-detectable to 2.6 ppb. Vinyl Chloride concentrations exceeded the established drinking water *MCL* of 0.5 ppb in wells MW-1 (detected at 2.6 ppb), and MW-2 (1.4 ppb).
- All other solvent compounds were either not detected or were detected at trace concentrations below established *MCL*s.

### 1.4 Conclusions and Recommendations

Based on current and previous Site investigations we conclude that:

1. The dissolved solvent plume primarily contains the compounds of TCE and cis-1,2-DCE. Five rounds of groundwater gauging and testing from the Sites' 5-well monitoring network indicates the relatively low-level solvent plume appears stable, although concentrations exceed Water Quality Goals for a drinking water resource.
2. A soil vapor intrusion assessment completed at the Site in 2009 confirms that there is no vapor intrusion risk at the Site, and based on similar low-level solvent concentrations detected in groundwater downgradient of the Site there is likely no soil vapor intrusion threat to potential downgradient receptors.
3. **The results of a previously completed extensive drilling and sampling program suggest that the primary source (if not the entire source) of the wide-spread solvent plume appears to originate from a property or properties located over 500 feet upgradient from the subject Site.** It is not possible to credibly distinguish whether or not the subject Site contributes some limited concentrations to the solvent plume, because the Site is situated within the footprint of the wide-spread plume itself and there are no significant increases as the "primary" plume migrates past the Site.

**Based on the collected data the Site appears to have had minimal contribution (if any) to the widespread solvent plume. Plume concentrations at and in the vicinity of the Site are low-level, relatively stable and do not pose a vapor intrusion risk. It is our opinion that continued groundwater monitoring would not provide any additional investigative benefit. Therefore, we recommend that the Water Board consider cessation of further groundwater monitoring at this Site.**

This concludes the Executive Summary.

## 2.0 ANNUAL GROUNDWATER MONITORING

Current field tasks consisted of water level gauging and sampling all 5 existing groundwater-monitoring wells (MW-1 through MW-5). Groundwater samples were collected from all monitoring wells on March 21, 2012. A summary of current field tasks, laboratory testing, and reporting follows.

### 2.1 Groundwater Monitoring Well Sampling and Laboratory Testing:

Groundwater samples were collected in appropriate sample containers and placed in a chilled cooler for transport to the testing laboratory. A copy of the field observations and field instrument recordings is included in Appendix B along with a detailed description of our *Standard Field Methodology for Groundwater Sampling*, and documentation of the proper disposal of purge water generated during this sampling event.

Groundwater samples were collected as part of a regulatory mandated program required by the Regional Water Board to verify shallow groundwater conditions. This was the fifth monitoring event for the Site. Samples were submitted to a State-certified testing laboratory (Torrent Laboratory, CA-ELAP #1991). The current results are tabulated with previous monitoring well groundwater data collected by Weber, Hayes and Associates on Table 1, and the *Certified Laboratory Report* and *Chain-of-Custody* documentation is included as Appendix C. Submitted samples were tested for the following set of regulatory required analyses:

- Trichloroethene (TCE), 1,2-Dichloroethene (cis- and trans-1,2 DCE), and Vinyl Chloride by EPA Method 8260B, and
- Nitrates by EPA Method 300

### 2.2 Documentation Reporting:

This report includes the following list of tables, figures, and supporting data:

- Tabulated Results: Laboratory analyzed groundwater results of current and previously collected groundwater samples are tabulated (Table 1);
- Graphic Presentation: A plan view aerial map of the Site presents the current groundwater gradient and analytical results (Figure 2);
- Overview of Previous Investigation Results: A general description of subsurface conditions and summary of previous environmental work is provided (Appendix A);
- Field Documentation: Field sheets detailing observations and measurements made during the current round of sampling are provided along with our sampling protocol and disposal documentation for the purge water generated during this event (Appendix B);
- Laboratory Report and Chain of Custody Documentation: Appendix C.

# 3.0 DISCUSSION OF CURRENT RESULTS

## 3.1 Groundwater Depth & Flow Direction

Measured depth-to-groundwater has generally been encountered at depths ranging from 9 to 12 feet below ground surface (bgs) across the Site. The current groundwater gradient and flow direction is calculated to mean sea level by collecting depth-to-groundwater measurements, and gauging those depths against professionally surveyed top-of-casing elevations generated at each monitoring well.

The groundwater flow direction was calculated to be in an east-northeasterly direction at an average gradient of 0.002 ft/ft (equal to 1 foot of vertical drop per 500 feet of lateral flow, respectively). See Figure 2 for graphical presentation of groundwater flow. This is relatively consistent with the previous monitoring events, which have shown groundwater flow direction to range from the southeast to the northeast (Nov- 2009 to the present). Note that first encountered groundwater in the vicinity of downtown Santa Cruz experiences seasonal gradient reversals associated with groundwater mounding adjacent to the banks of the nearby San Lorenzo River (see topographic location map, Figure 1).

## 3.2 Dissolved Contaminants of Concern

During the current annual monitoring event groundwater samples were collected and analyzed from all five wells at the Site (MW-1, 2, 3, 4, & 5). Current analytical results are consistent with previous results, which indicate that only low-level concentrations of solvents are present in groundwater beneath the Site. Results of the current and previous sampling events are tabulated in Table 1, and results from the current round are presented below. Current results are also presented in plan view on Figure 2.

**Summary of Current Groundwater Analytical Results**
**March 21, 2012**
*All groundwater results are in parts per billion (ug/L)*

| *Well ID #* | *TCE* | *cis-1,2-DCE* | *trans-1,2 DCE* | *Vinyl Chloride* | *Nitrate* |
|---|---|---|---|---|---|
| ***MW-1*** | **17** | **28** | 1.9 | **2.6** | ND |
| ***MW-2*** | **6.9** | **26** | 2.2 | **1.4** | 2,200 |
| ***MW-3*** | 2.1 | 2.3 | 2.3 | ND | 1,800 |
| ***MW-4*** | ND | ND | ND | ND | 2,600 |
| ***MW-5*** | ND | ND | ND | ND | 7,000 |
| ***MCLs***[2] | **5** | **6** | **10** | **0.5** | **45,000** |

[2]: *MCLs* = Levels presented are based on the established *Maximum Contaminant Levels* (*MCLs*) which are specified in the California Code of Regulations (Title 22).

Current results (above) show that trace-to-low-level concentrations of chlorinated solvent compounds were detected three of the five shallow wells monitoring the release (see Figure 2). The detections were similar in magnitude to previous monitoring well sampling events. Currently, two of the five shallow monitoring wells contained solvent compound concentrations that exceed the regulatory *Maximum Contaminant Levels (MCLs)* for a drinking water resource (i.e., MW-1 and MW-2, see Table 1). Specifically:

- TCE: Current concentrations of TCE range from non-detectable to 17 parts per billion (ppb). TCE concentrations marginally exceed the established drinking water *MCL* of 5 ppb in wells MW-1 (detected at 17 ppb) and MW-2 (6.9 ppb).
- Cis-1,2 DCE: Current concentrations of cis-1,2 DCE range from non-detectable to 28 ppb. Cis-1,2-DCE concentrations marginally exceed the established drinking water *MCL* of 6 ppb in wells MW-1 (detected at 28 ppb) and MW-2 (26 ppb).
- Vinyl Chloride: Current concentrations of Vinyl Chloride range from non-detectable to 2.6 ppb. Vinyl Chloride concentrations exceeded the established drinking water *MCL* of 0.5 ppb in wells MW-1 (detected at 2.6 ppb), and MW-2 (1.4 ppb).
- Nitrates were detected in four of the five collected groundwater samples at concentrations ranging from 1,800 to 7,000 ppb, which are well below nitrate's *MCL* of 45,000. Detections of nitrate above background concentrations are fairly common in an urban setting and are commonly associated with clay sanitary sewers, which do not have watertight couplers and are designed to have some limited leakage. Elevated nitrate concentrations can also be a potential indicator of a sewer line break.
- All other solvent compounds were either not detected or were detected at trace concentrations below established *MCL*s.

The current results are in the same general magnitude as the previous three rounds of testing and suggest the residual plume is stable and there is no significant source. However, these results continue to exceed the established Water Quality Goals.

## 4.0 CONCLUSIONS

Based on current and previous Site investigations we conclude that:

1. The dissolved solvent plume primarily contains the compounds of TCE and cis-1,2-DCE. Five rounds of groundwater gauging and testing from the Sites' 5-well monitoring network indicates the relatively low-level solvent plume appears stable, although concentrations exceed Water Quality Goals for a drinking water resource.
2. A soil vapor intrusion assessment completed at the Site in 2009 confirms that there is no vapor intrusion risk at the Site, and based on similar low-level solvent concentrations

detected in groundwater downgradient of the Site there is likely no soil vapor intrusion threat to potential downgradient receptors.

3. **The results of a previously completed extensive drilling and sampling program suggest that the primary source (if not the entire source) of the widespread solvent plume appears to originate from a property or properties located over 500 feet upgradient from the subject Site.** It is not possible to credibly distinguish whether or not the subject Site contributes some limited concentrations to the solvent plume, because the Site is situated within the footprint of the wide-spread plume itself and there are no significant increases as the "primary" plume migrates past the Site.

## 5.0 RECOMMENDATIONS

It is our opinion that there is nothing more to be gained from continued monitoring of this well network based on:

1. Data that indicates the Site has minimal contribution (if any) to the confirmed widespread solvent plume,
2. Five (5) rounds of groundwater monitoring at the Site showing relatively consistent and stable low-level concentrations of solvents in shallow groundwater,
3. Data that confirms there is no soil vapor intrusion risk resulting from these low level concentrations

**Therefore, we recommend that the Water Board consider cessation of further groundwater monitoring at this Site.**

## 6.0 LIMITATIONS

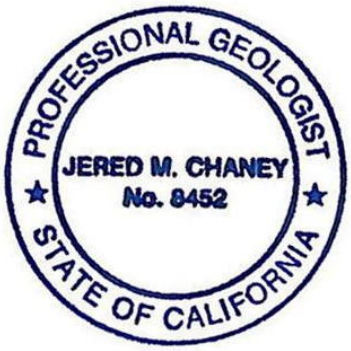
Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic principles and practices. This warranty is in lieu of all others, either expressed or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modifications of the options expressed herein.

If you have any questions or comments regarding this project, please contact us at our office (722-3580).

Respectfully submitted,

WEBER, HAYES AND ASSOCIATES

A California Corporation




By _____
Jered Chaney, PG# 8452
Project Geologist

Attachments:

Figure 1: Location Map
Figure 2: Site Map with Groundwater Gradient & Analytical Results (March 21, 2012)

Table 1: Summary of Groundwater Elevation and Analytical Results – Monitoring Wells

Appendix A: Site Description and Summary of Previous Environmental Investigations
Appendix B: Groundwater Sampling Field Methodology and Daily Field Records
Appendix C: Laboratory Reports and Chain-of-Custody Documentation

## 7.0 REFERENCES

California Regional Water Quality Control Board, Central Coast Region's correspondence associated with 207 Church Street, Santa Cruz:

- 2009-Oct 18: *Response to Weber, Hayes, and Associates, October 6th, 2009, Workplan for Additional Groundwater Characterization and Soil Gas Survey*
- 2010-Jan 27: *Response to Weber, Hayes, and Associates, December 7th, 2009, Additional Groundwater Characterization and Soil Gas Survey*
- 2010-Aug 25: *Response to Weber, Hayes, and Associates, August 11th, 2010, Workplan for Soil and Groundwater Data Gap Assessment*
- 2010-Feb 16: *Response to Weber, Hayes, and Associates, January 12th, 2011, Soil and Groundwater Data Gap Assessment – No Further Remediation Required with Annual Monitoring Requirement*

Geologica reports regarding 207 Church Street, Santa Cruz:

- 2009-Aug 4: *Phase I Environmental Site Assessment*
- 2009-Aug 26: *Letter Report: Phase II Investigation*

Nova Consulting Group, Inc. reports regarding 207 Church Street, Santa Cruz:

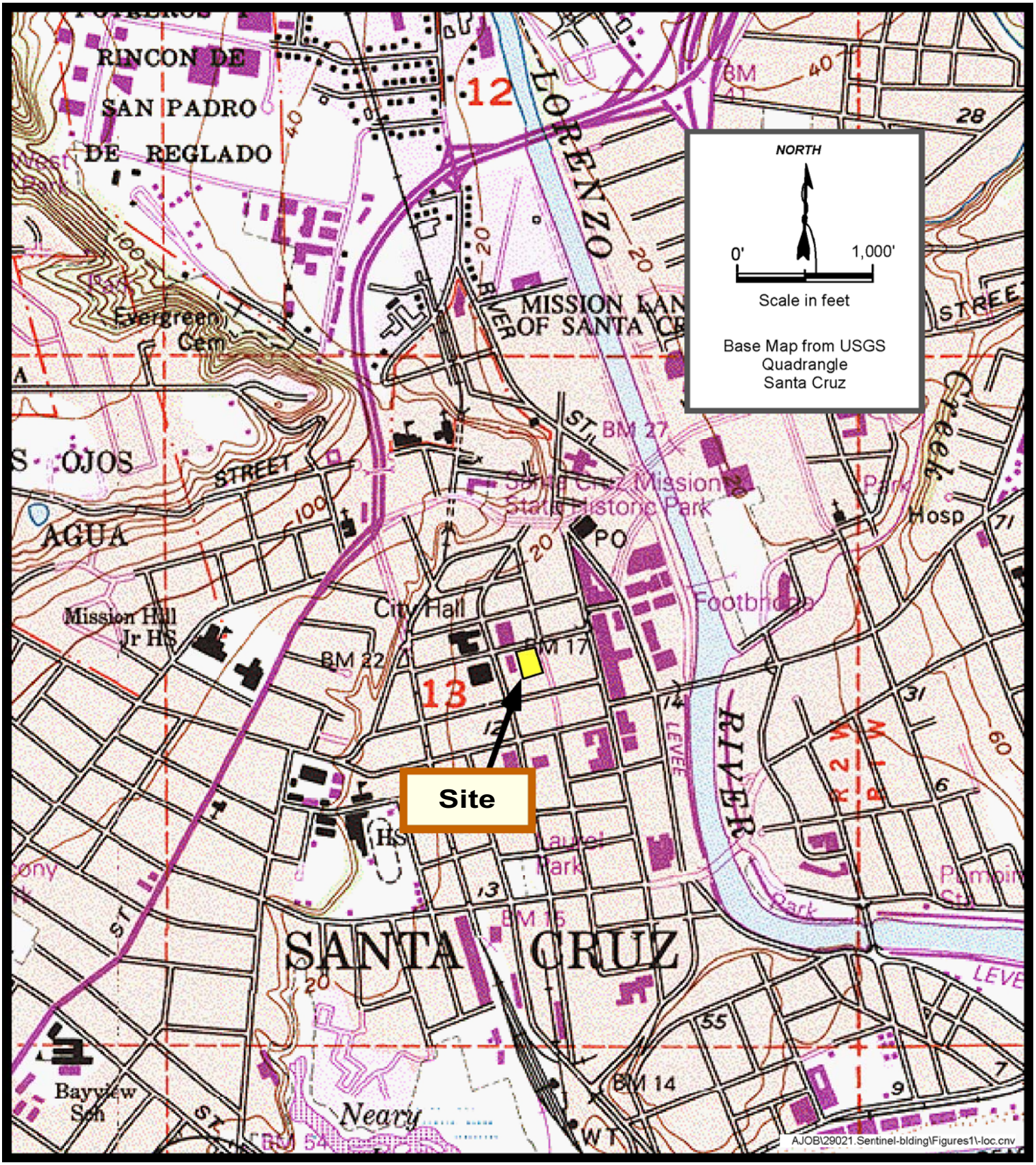
- 2007-June 28: *Phase I Environmental Site Assessment*

Versar reports regarding 207 Church Street, Santa Cruz:

- 2008-Feb 27: *Phase II Environmental Site Assessment*

Weber, Hayes and Associates reports regarding 1266 Soquel Avenue, Santa Cruz

- 2009-Oct 6: *Workplan for Additional Groundwater Characterization and Soil Gas Survey*
- 2009-Dec 7: *Additional Groundwater Characterization and Soil Gas Survey*
- 2010-Feb 11: *Semi-Annual Groundwater Monitoring Event, First Half 2010*
- 2010-Aug 5: *Semi-Annual Groundwater Monitoring Event, Second Half 2010*
- 2010-Aug 9: *Workplan for Soil and Groundwater Data Gap Assessment*
- 2011-Jan 12: *Soil and Groundwater Data Gap Assessment*




**Weber, Hayes & Associates**
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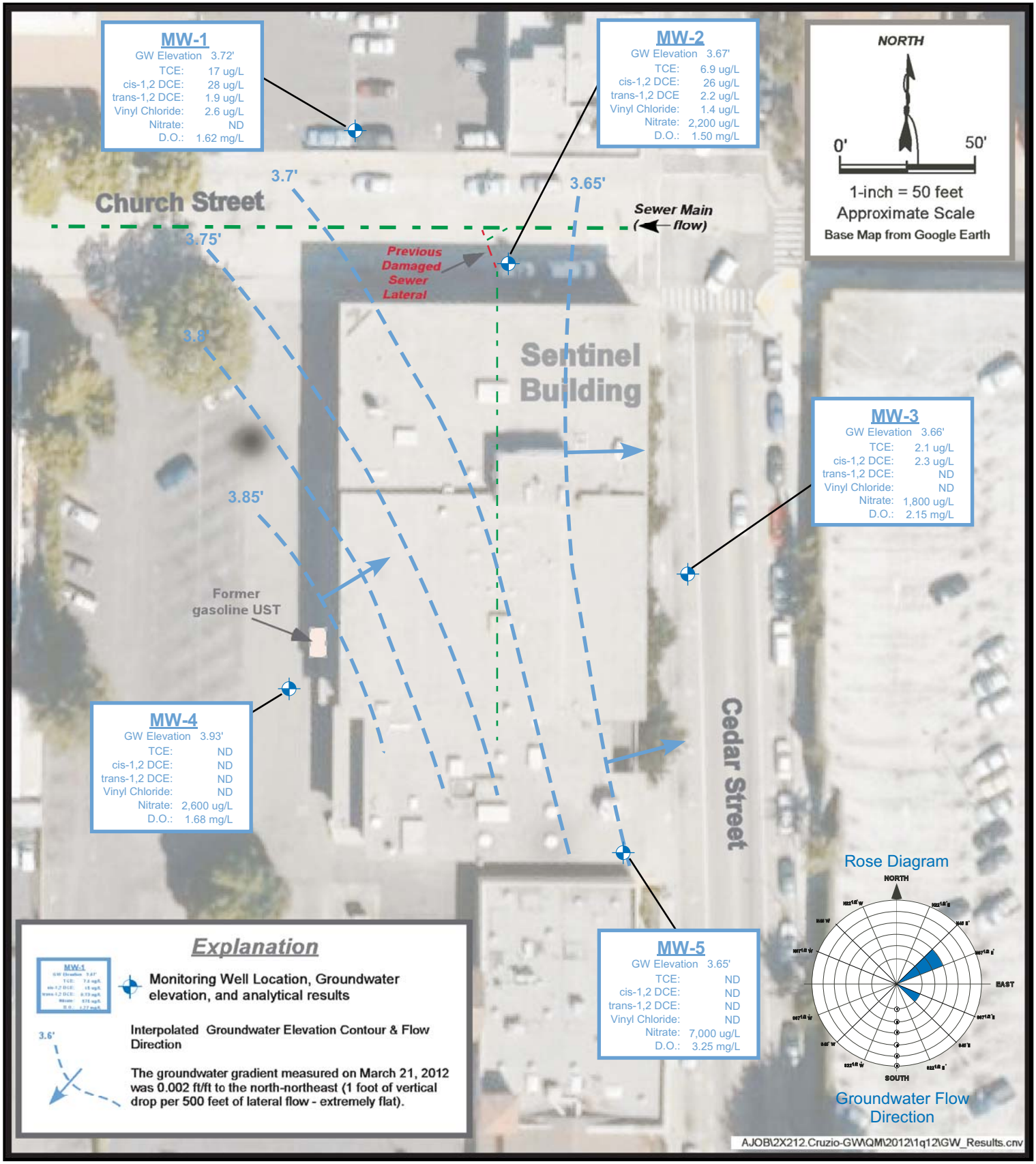
www.weber-hayes.com

**Location Map**
**Santa Cruz Sentinel Building**
207 Church Street
Santa Cruz, California

**FIGURE 1**
**Job # 29021.B**

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**Groundwater Gradient & Analytical Results**
**(sampled March 21, 2012)**
**Santa Cruz Sentinel Building**
207 Church Street
Santa Cruz, California

**FIGURE 2**
**Job # 2X212**

# Tables

## *Table 1: Summary of Groundwater Elevation and Analytical Results - Monitoring Wells*

**Santa Cruz Sentinel Building**

**207 Church Street, Santa Cruz, California**

*All groundwater concentration results are in parts per billion, (ug/L)*

| Monitoring Well Information | | | | | | Laboratory Analytical | | | | | | | Field Measurements | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 8010 Solvents by EPA Method 8260B | | | | | | | | |
| Well I.D. | Top of Casing Elevation (feet, NGVD) | Screen Interval (feet, bgs) | Date | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, NGVD) | PCE | TCE | cis 1,2-DCE | trans-1,2-DCE | Vinyl Chloride | Other 8010 Solvents | Nitrate (EPA 300) | Dissolved Oxygen | Redox Potential (ORP) |
| MW-1 | 13.66 | 5-15 | | | | | | | | | | | | |
| | | | 3/21/2012 | 9.94 | 3.72 | -- | **17** | **28** | 1.9 | **2.6** | -- | ND | 1.62 | 152 |
| | | | 6/30/2010 | 10.73 | 2.93 | -- | **9.8** | **25** | 1.7 | **3.0** | -- | 560 | 1.94 | 193 |
| | | | 1/28/2010 | 9.64 | 4.02 | -- | **20** | **26** | 2.5 | ND | -- | 540 | *7.32 | 77 |
| | | | 10/28/2009 | 9.99 | 3.67 | ND | **7.6** | **16** | 0.73 | ND | ND | 576 | 1.27 | 186 |
| MW-2 | 13.36 | 5-15 | | | | | | | | | | | | |
| | | | 3/21/2012 | 9.69 | 3.67 | -- | **6.9** | **26** | 2.2 | **1.4** | -- | 2,200 | 1.50 | 70 |
| | | | 7/6/2010 | -- | -- | -- | **7.0** | **28** | 2.1 | **1.8** | -- | 2,500 | -- | -- |
| | | | 6/30/2010 | 10.48 | 2.88 | -- | -- | -- | -- | -- | -- | -- | 1.90 | 238 |
| | | | 1/28/2010 | 9.38 | 3.98 | -- | **13** | **24** | 2.8 | ND | -- | 2,300 | *3.87 | 109 |
| | | | 10/28/2009 | 9.76 | 3.60 | ND | **7.4** | **27** | 2.0 | ND | ND | 4,150 | 1.07 | 134 |
| MW-3 | 14.61 | 5-15 | | | | | | | | | | | | |
| | | | 3/21/2012 | 10.95 | 3.66 | -- | 2.1 | 2.3 | ND | ND | -- | 1,800 | 2.15 | 156 |
| | | | 6/30/2010 | 11.72 | 2.89 | -- | **7.3** | **7.6** | 0.69 | ND | -- | 870 | 1.47 | 161 |
| | | | 1/28/2010 | 10.62 | 3.99 | -- | **7.2** | **24** | 2.6 | ND | -- | 730 | *4.78 | 105 |
| | | | 10/28/2009 | 11.05 | 3.56 | ND | **5.0** | **24** | 1.8 | ND | ND | ND | 1.28 | 114 |
| MW-4 | 14.34 | 5-15 | | | | | | | | | | | | |
| | | | 3/21/2012 | 10.41 | 3.93 | -- | ND | ND | ND | ND | -- | 2,600 | 1.68 | 132 |
| | | | 6/30/2010 | 11.41 | 2.93 | -- | ND | ND | ND | ND | -- | 1,100 | 1.32 | 211 |
| | | | 1/28/2010 | 10.28 | 4.06 | -- | 1.2 | 0.83 | ND | ND | -- | 2,400 | *3.55 | 108 |
| | | | 10/28/2009 | 10.71 | 3.63 | ND | 0.50 | 0.59 | ND | ND | ND | 2,130 | 1.28 | 148 |
| MW-5 | 15.16 | 5-15 | | | | | | | | | | | | |
| | | | 3/21/2012 | 11.51 | 3.65 | -- | ND | ND | ND | ND | -- | 7,000 | 3.25 | 132 |
| | | | 6/30/2010 | 12.24 | 2.92 | -- | 0.79 | 0.97 | ND | ND | -- | 4,200 | 2.20 | 205 |
| | | | 1/28/2010 | 11.14 | 4.02 | -- | 1.4 | 0.62 | ND | ND | -- | 8,300 | *5.62 | 102 |
| | | | 10/28/2009 | 11.59 | 3.57 | ND | 0.98 | 1.8 | ND | ND | ND | 5,910 | 2.55 | 122 |
| ***Laboratory Reporting Limit:*** | | | | | | ***0.5*** | | | | | ***varies*** | ***500*** | ***Field Instrument*** | |
| ***Maximum Contaminant Levels (MCLs):*** | | | | | | ***5*** | | ***6*** | ***10*** | ***0.5*** | ***varies*** | ***45,000*** | ***--*** | ***--*** |

***NOTES:***

***MCLs =*** *Levels presented are based on the established Maximum Contaminant Levels (MCLs) which are specified in the California Code of Regulations (Title 22).*
***TOC :*** *Top of Casing elevation surveyed by a Licensed Surveyor to National Geodetic Vertical Datum of 1929 (NGVD).*
***ug/L :*** *micrograms per liter - parts per billion.*
***ND :*** *Not Detected at or above the laboratory's reporting limit.*
***PCE :*** *Tetrachloroethene*
***cis 1,2-DCE :*** *cis-1,2 Dichloroethene*
***trans-1,2-DCE :*** *trans-1,2 Dichloroethene*
****:*** *Dissolved Oxygen Concentrations measured on 1/28/2010 are erroneous due to equipment malfunction.*
**BOLD PRINT:** *Bold Print indicates concentrations are above regulatory MCL's.*
***TCE :*** *Trichloroethene*
***bgs :*** *below ground surface.*
***-- =*** *Specified lab analysis not requested.*

# Appendix A

## Site Description
## &
## Summary of Previous Environmental Investigations

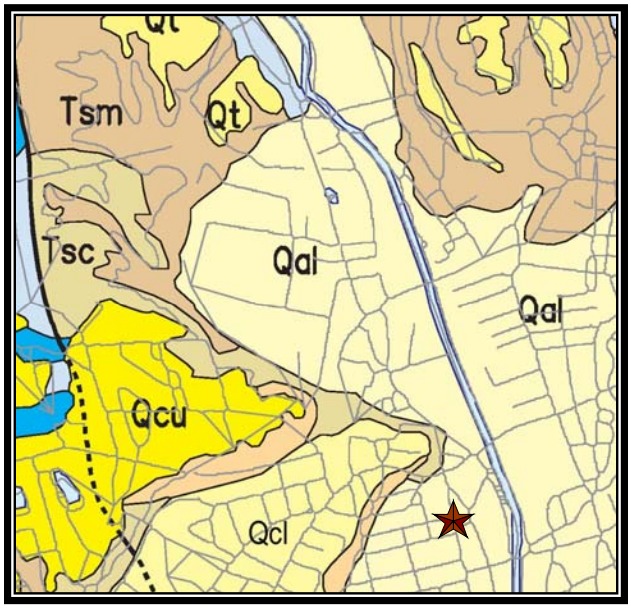
# Site Description

## Location Setting

The Site (APN 005-048-47) is located at 207 Church Street on the northeast corner of Cedar Street and Church Street in a light commercial use area in downtown Santa Cruz (see Figure 1, Location Map). The Site consists of a 38,000-ft$^2$ rectangular-shaped parcel containing an approximate 24,460-ft$^2$ (footprint) two-story, reinforced concrete building with a partial basement. The remainder of the Site is comprised of an asphalt-paved parking lot and some manicured landscaping. The building was reportedly constructed in 1967 and was occupied by the Santa Cruz Sentinel newspaper (Sentinel) for forty years (1967-2007), until it ceased operation in 2007. The building has since been purchased and remodeled by Cruzio Internet, who both occupies and leases portions of the building to various tenants.

## Local Hydrogeologic Setting

The subject property is situated on alluvial deposits generated from nearby San Lorenzo River (approximately 1,200 feet east of the site). The deposits are identified as unconsolidated, heterogeneous, moderately sorted silt and fine sand with discontinuous lenses of clay and silty clay. These deposits originate in a flood-plain environment when rivers periodically breach their channels.




**Local Geology**
**Qal: Alluvial deposits**
**Tsm: Santa Margarita Sandstone**
**Tsc: Santa Cruz Mudstone**

Current and previous subsurface investigations conducted at the Site indicate that shallow groundwater is unconfined at a depth of approximately 10-feet (bgs). Results of the current investigations and review of nearby fuel release sites with surveyed monitoring well networks indicate groundwater flow to be in a south to southeasterly direction. Therefore, regional flow direction of first encountered groundwater is south to southeasterly, towards the southward-flowing San Lorenzo River. It should be noted that localized groundwater flow and direction might vary due to the differential permeability of existing subsurface deposits and seasonal changes in the magnitude of groundwater flow. We also note that seasonal gradient reversals are known to occur at sites near the San Lorenzo River channel.

## Summary of Previous Environmental Investigations

This section provides a brief synopsis of previously completed environmental investigations. References for the following investigations are provided in the *References* Section of this report.

**Results of Phase I and Phase II Environmental Site Assessment** - completed by 1) Nova Consulting Group, Inc., 2) Versar, and 3) Geologica:

For over 40-years the Site had been used as a printing facility (1967-2007). The Site contained hazardous materials and waste associated with newspaper printing including photo processing chemicals (fixer, developer, etc.), printing chemicals (inks, blanket wash, fountain solution, rubber rejuvenators, and other solvents), and equipment maintenance chemicals (grease, sealants, adhesives, cleaners, oils, parts cleaner, solvents, and paints/thinners). The permitted discharge of photo chemicals into the city sanitary sewer was monitored by the Santa Cruz Public Works Department (SCPWD), and no violations were documented.

- One boring (GP-4) installed adjacent to the city sanitary sewer lateral located at the north end of the building revealed slightly elevated detections of the chlorinated solvent compounds cis-1,2-Dichloroethene (cis-1,2-DCE), Trichloroethene (TCE), and Vinyl Chloride (VC) in groundwater at concentrations of 46 parts per billion (ppb), 8.8 ppb, and 1.5 ppb, respectively. The Water Quality Objectives (WQOs) for cis-1,2-DCE, TCE, and VC are set at 6 ppb, 5 ppb, and 0.5 ppb, respectively. Of four down-to-sidegradient borings (GP-1, GP-2, GP-3A, GP-5, and B12) only two revealed concentrations of cis-1,2-DCE (GP-2 & GP-3A) and TCE (GP-3A) that slightly exceeded the WQOs.

In 1990, a 200-gallon gasoline underground storage tank (UST) was removed from the parking lot. No environmental impacts were noted, and no further action was required by the Santa Cruz County Health Services Agency (SC-HSA). UST closure was granted in April 1991.

- One boring installed at the former gasoline UST footprint (GP-5) revealed no evidence of gasoline contaminants in soil beneath the tank pit backfill. A groundwater sample collected from this boring revealed no detections of gasoline contaminants.

A December 2007 facility closure inspection report completed by the Santa Cruz County Health Services Agency noted the presence of hydraulic fluid at the base of the concrete elevator shaft that likely occurred as the result of some limited leaking of hydraulic fluid lines associated with the elevator. The area was subsequently power washed and cleaned to prepare the site for closure.

- Borings installed adjacent to the reported “leaky” elevator shaft (GP-1 & B12) revealed no detections of hydraulic oil range hydrocarbons in soil or groundwater. As noted above, the spill was properly cleaned up.

A trench floor drain located in the basement near the printing press running to a steel sump was observed to contain an unknown liquid. This sump may have been connected to the sanitary sewer system.

- Borings installed adjacent to the reported sump location (along the exterior of the building - GP-1 & B12) revealed only trace detections of cis-1,2-DCE and TCE in groundwater. Investigation of groundwater collected adjacent to the city sanitary sewer lateral (as described above) did reveal some slightly elevated detections of solvent compounds.

**Results of Additional Site Characterization (vapor survey & installation of wells)** - completed by Weber, Hayes and Associates:

Previously completed Environmental Site Assessments have addressed all noted *Recognized Environmental Conditions* at the Site related to the historic printing operations and revealed only the presence of low-level chlorinated solvent compounds in shallow groundwater beneath the Site. Specifically, cis-1,2-Dichloroethene (cis-1,2-DCE), Trichloroethene (TCE), and Vinyl Chloride were detected slightly above their respective WQOs. There were also detections of Nitrates in the groundwater samples collected beneath the Site.

The following additional subsurface investigation tasks were completed by Weber, Hayes and Associates at the Site in October 2009 to confirm and characterize the low-level concentrations of solvent compounds previously detected in shallow groundwater.

- Installing and sampling five exploratory borings at up-, down-, and side-gradient locations of the Sentinel building and converting the borings to shallow groundwater monitoring wells to confirm groundwater gradient, and collect representative groundwater samples, and
- Completing a shallow soil gas survey to determine the potential for vapor intrusion to indoor air

Results of this investigation revealed the following:

- Groundwater Sampling Results: Post-well development sampling revealed relatively low-level concentrations of TCE and cis-1,2 DCE were detected (above regulatory drinking water thresholds) in shallow groundwater monitoring wells MW-1, 2, and 3. These results are similar to previous grab groundwater samples collected by Geologica in August 2009, and confirm the presence of low-level concentrations of chlorinated solvents in shallow groundwater beneath the Site.
- Vapor Intrusion Sampling Results: None of the laboratory-analyzed soil vapor samples contained concentrations exceeding residential risk-based screening limits. These results indicate that there is no risk of vapor intrusion to indoor air at the Site.

- Shallow Soil Sampling Results: None of the tested soil samples revealed contaminant concentrations above laboratory detection limits.
- Video Survey of Contaminant Source: A video survey of the Site sanitary sewer lateral and the receiving City sewer main revealed two significant joint separations in the lateral from the building just beneath the sidewalk curb and approximately 6.25 feet from the curb toward the City main (immediately adjacent to newly installed well MW-2) and a single breakout at the base of the City main just up-stream of where the building lateral connects to the main. It is likely that discharged wastewaters were in direct connection with underlying soils at these locations.

The source of the low level solvent detections in groundwater was attributed to the accidental leakage of permitted photo-chemical wastewater from a damaged sanitary sewer lateral. It was hypothesized that the identified breaks in the City sewer main and sewer lateral piping was the likely point source of the low-level solvents detected in shallow groundwater in the vicinity of the Site. Low-levels of nitrates were also detected in 4 of the 5 collected groundwater samples further implicating the damaged sewer lateral/main as the likely source.

**Semi-Annual Groundwater Monitoring** - completed by Weber, Hayes and Associates:

*January 2010*: Weber, Hayes and Associates conducted a second groundwater monitoring event (semi-annual) on January 28, 2010. Groundwater level gauging and sampling was done at all 5 monitoring wells. The groundwater flow direction was measured to be in a northeasterly direction at an average gradient of 0.0005 ft/ft (equal to 1 foot vertical drop per 2,000 feet of lateral flow, respectively). This was an approximate 45-degree shift from the southeasterly groundwater gradient measured during the previous sampling event. The groundwater elevation had also risen 0.41 feet since the pervious event.

Laboratory results showed slightly elevated levels of TCE and cis-1,2-DCE at monitoring wells MW-1 through MW-3. The concentrations exceeded their respective water *Maximum Contaminant Levels* (*MCL*s) at these three wells. The results were similar in magnitude to previous groundwater samples. The results indicated that: 1) a significant chemical release has not occurred at the Site, 2) the variation in concentrations between sampling events fell within a normal range of fluctuation, and 3) stable plume conditions exist.

*June 2010*: Weber, Hayes and Associates conducted a third groundwater monitoring event (semi-annual) on June 30, 2010. Groundwater level gauging and sampling was done at all 5 monitoring wells. The groundwater flow direction was measured to be in an east-northeastly direction at an average gradient of 0.0003 ft/ft (equal to 1 foot vertical drop per 3,333 feet of lateral flow, respectively). The groundwater elevation had also dropped 1.1 feet since the pervious event.

Laboratory results showed slightly elevated levels of TCE and cis-1,2-DCE at monitoring wells MW-1 through MW-3. Vinyl chloride was detected in MW-1 and MW-2. The concentrations exceeded their respective water *Maximum Contaminant Levels* (*MCL*s) at these wells. Current and previous analytical results indicated that the residual solvent plume is relatively small and stable. The results also indicated the upgradient (north-northwestern) and downgradient (east-southeastern) extent of dissolved contamination in groundwater had not been completely defined, although the low concentrations suggest the limits would be fairly limited in extent.

**Results of Soil and Groundwater Data Gap Assessment** - completed by Weber, Hayes and Associates:

Three rounds of groundwater sampling results documented that low solvent concentrations remained in shallow groundwater. The low concentration results suggested the dissolved plume was limited in extent but not fully defined in the upgradient (north-northwestern) and downgradient (east-southeastern) direction. Water Board staff indicated that groundwater sample results would need to be obtained in order to confirm the lateral extent of the dissolved plume is fully delineated prior to granting Site Closure for this relatively low-concentration solvent release. These results were required in order to confirm:

1. There is not an additional upgradient source contributing to the solvent plume, and
2. Elevated concentrations do not extend onto downgradient properties.

This data gap assessment included groundwater sampling from twenty-eight "step-out borings" installed during three separate mobilizations that were strategically positioned in the vicinity of the Site. Borings installed during the first two rounds of groundwater delineation were positioned to define the limits of solvent impacts to groundwater.

Based on results of the initial rounds of drilling and sampling, which did not define plume limits at significant distances up- and downgradient of the Site, we completed a comprehensive review of historical documents (land use maps and historic reverse telephone directories from 1905 to the present) to identify potential upgradient businesses that may have used solvents as part of routine business operation. Boring locations during a third and final round of delineation sampling were positioned to target these specific historic businesses/land uses in an attempt to pin down the upgradient plume source.

The historical review included acquisition and detailed review of:

1. Historical land use maps (i.e., Sanborn insurance maps); and
2. Historical reverse telephone directories (i.e., Polk's and Haines' reverse telephone directory collections) from 1905 to the present.

Our research identified the following upgradient businesses that are known to use solvents as part of normal business operation (see Figure A-1):

- Laundry businesses that may have included the use of dry-cleaning solvents;
- Second-hand clothing stores that may have conducted their own dry-cleaning;
- A Bulk fuel and oil storage facility;
- A Fueling facility;
- Automotive repair and painting businesses;
- Printing businesses;
- Electrical motor manufacturing; and
- Furniture/Cabinet manufacturing.

The results of the third round of drilling and sampling revealed an upgradient spike of TCE solvent concentrations at boring DP-24 (encountered at the corner of Center and Union Streets), that is likely to be associated with a historic auto repair & paint shop identified at that location (operation from at least 1950 through 1965), or possibly the identified bulk chemical storage facility located further upgradient (operation from at least 1928 through 1950; see Figures A-1 and A-2 of this Appendix).

**The results of this extensive drilling and sampling program suggest that:**

1. The presence of widespread, relatively low-level solvent concentrations that exceed *Water Quality Goals.* The dissolved solvent plume primarily contains the compounds of TCE and cis-1,2-DCE. The solvent concentration increase by an order of magnitude between the Site and the highest concentrations located over 500 feet upgradient (Figure A-2).
2. The primary source (if not the entire source) of the wide-spread solvent plume appears to originate from a property or properties located over 500 feet upgradient from the subject Site.
3. It is not possible to credibly distinguish whether or not the subject Site contributes some limited concentrations to the solvent plume, because the Site is situated squarely within the footprint of the plume itself and there are no significant increases as the plume migrates past the Site. However, it is very apparent that at a minimum, there exists upgradient solvent contamination that is the primary source, if not the complete source, of dissolved solvent concentrations in groundwater at, and downgradient of the Site.

**Current Site Requirements:**

Based on the extensive groundwater data set collected at and around the Site the Water Board has concurred with our conclusion that there is an upgradient primary source of the widespread solvent plume and that the Site itself may have little to no contribution. However, as noted above it is not possible to credibly distinguish whether or not the subject Site contributes some limited concentrations to the solvent plume. Therefore, the Water Board has required that annual groundwater monitoring be completed, with no requirements for active remediation.

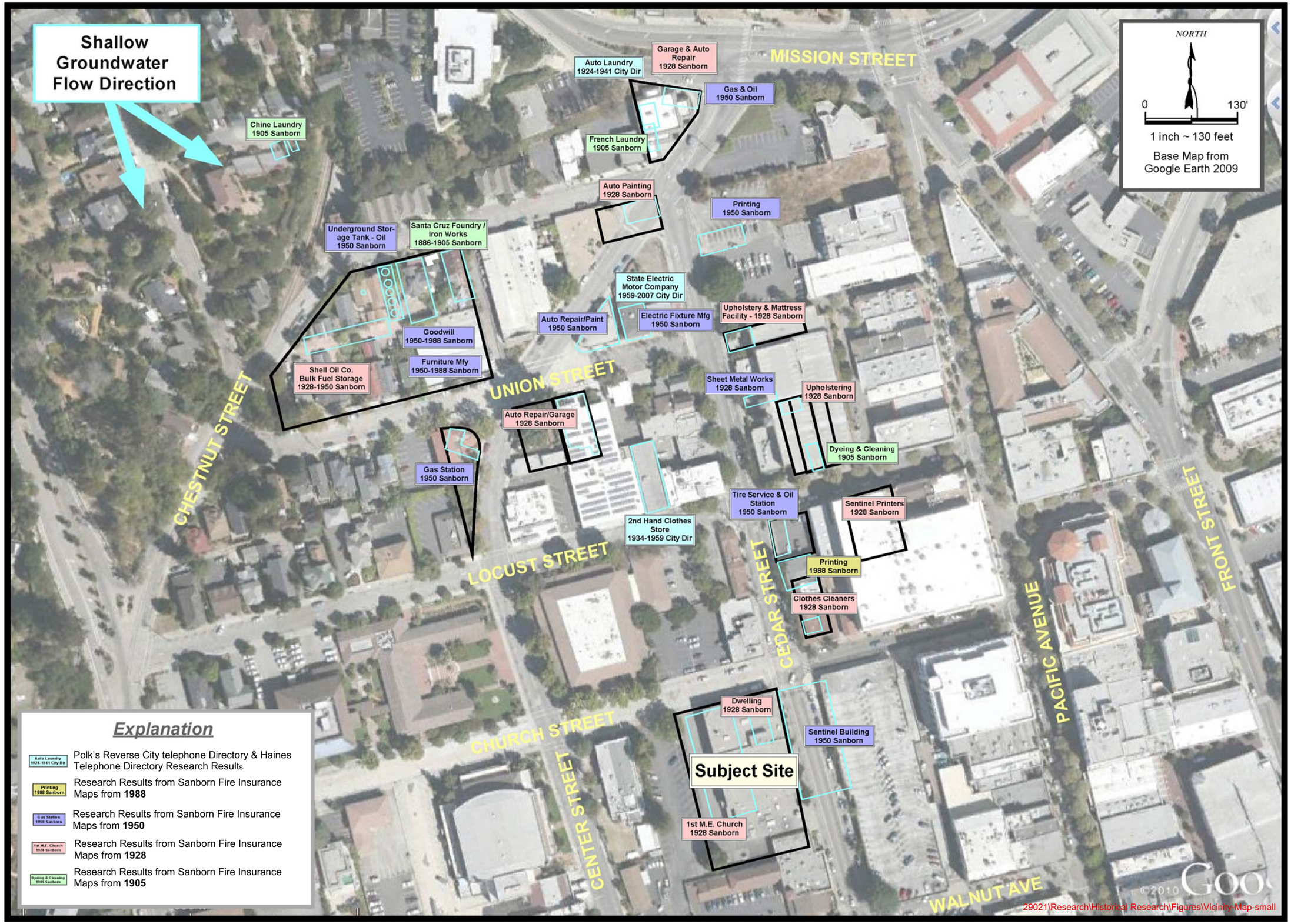



**FIGURE A-1**
Job # 29021

**Historical Vicinity Map**
**Land Uses gleaned from Historical City Directories and Historical Sanborn Maps**
Off-site Plume Investigation,
Sentinel Building, Church Street,
Santa Cruz, California

**Weber, Hayes & Associates**
**Hydrogeology and Environmental Engineering**
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

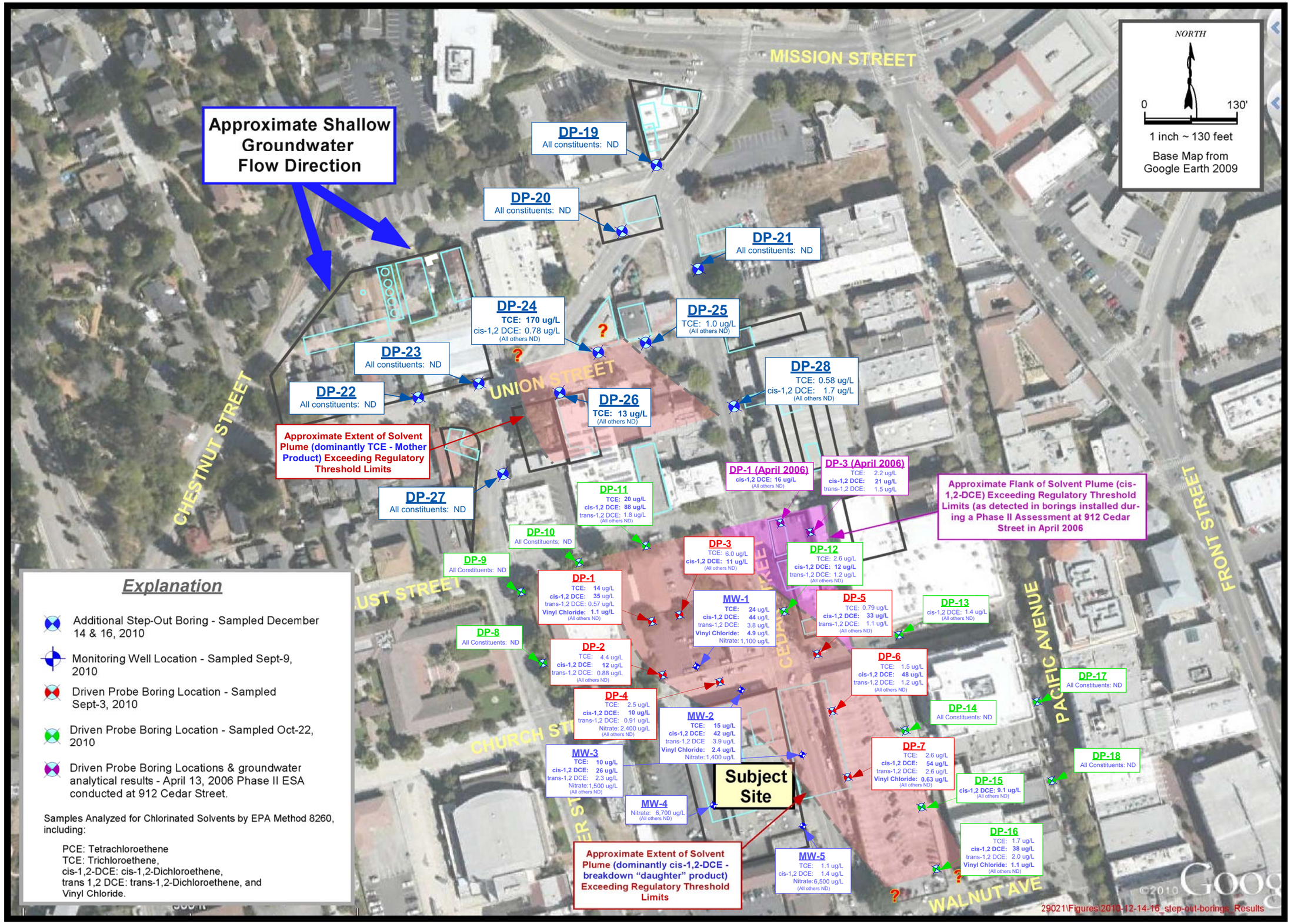



**FIGURE A-2**
Job # 29021

**Site Map with Limits of Dissolved Solvent Concentration in Groundwater**
**Former Sentinel Building**
207 Church Street, Santa Cruz, California

**Weber, Hayes & Associates**
**Hydrogeology and Environmental Engineering**
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

# APPENDIX E

## Phase II Field Notes,

## Photo Sheets, and

## Field Methodology

TOADAL FITNESS
Vive la difference
Geoprobe
May 5, 2022 8:21:50 AM
210 Lincoln Street
Santa Cruz County
California

FOR LEASE
831 476 8000
LOGOS
1117
1119
Planned Parenthood
Geoprobe
CAUTION
May 5, 2022 10:50:22 AM
335 Mission Street
Santa Cruz County
California

SDR
IGLOO
48
03325
STOR-ALL
Perma
May 5, 2022 8:41:20 AM
210 Lincoln Street
Santa Cruz County
California

SDR
IGLOO
48
03325
STOR-ALL
Perma
May 5, 2022 12:32:58 PM
1101 Pacific Avenue
Santa Cruz County
California

NO
PARKING

TOW-AWAY
NO

**Weber, Hayes & Associates**
Hydrogeology and Environmental Engineering



| | |
|---|---|
| Client: Downtown Library ESA | Project # : 2T158B |
| Location: 113 Lincoln St., Santa Cruz, CA | Date: 5/5/2022 |
| Field tasks: Groundwater, Soil, Soil Vapor Sampling | Weather: Cloudy, 50° |
| Personnel / Company On-Site: H. Bondiek, H. Hucks | |

Attachments: Site Map___ Data Sheets___ Geologic Logs X Photos X COC X Chargeable Materials___

| Time: | Notes: |
|---|---|
| 7:00 | • Arrived on-site to meet Coast Wide Utility Locators to clear boring locations. |
| | - Sergio noticed a concrete pad present ~8.5" deep below asphalt in the NE corner of the site where GW-2, SV-3, SS-3B and SS-3A are located |
| 7:40 | • Pat came on site for 15 minutes to check-in. |
| 8:00 | • Trinity Drilling on-site. Beginning with GW samples. |
| 8:21 | • Starting drilling at GW-2, will log this location. Went over site safety before drilling. |

| Location | Depth to Water | TIME | |
|---|---|---|---|
| GW-1 | 10.3' | 9:28 | 4' screen |
| GW-2 | 11.1' | 8:47 | 5' screen |
| GW-3 | 9.4' | 10:20 | |
| GW-4 | 10.1' | 10:59 | |
| GW-5 | 9.1 | 11:55 | |

| | |
|---|---|
| 9:16 | • Began Hydropunch at GW-1. |

5/5/22
Signature of Field Personnel & Date

| | |
|---|---|
| Project / Client: Downtown Library ESA | Project # : 2T158B |
| Site Location: 113 Lincoln St., Santa Cruz, CA | Date: 5/5/2022 |
| Field tasks: Groundwater, Soil, Soil Vapor Sampling | Weather: Cloudy, 50° |
| Personnel / Company On-Site: H. Bondiek, H. Hucks | |
| Attachments: Site Map___ Data Sheets___ Geologic Logs X Photos X COC X Chargeable Materials___ | |

| Time: | Notes: |
|---|---|
| 9:55 | • Moving on to GW-3. |
| 10:40 | • Moving on to GW-4. |
| 11:28 | • Set up at GW-5 to take final groundwater sample and log soils. |
| 11:30 | • Taking lunch break. |
| 12:00 | • Began drilling GW-5. Pushed to 13' for GW sample |
| 12:40 | • Moving onto soil sampling. |
| 15:00 | • Completed soil sampling. Delivering groundwater samples to fedex. |

HB

5/5/22
Signature of Field Personnel & Date

| | |
|---|---|
| Project / Client: Downtown Library ESA | Project # : 2T158B |
| Site Location: 113 Lincoln St., Santa Cruz, CA | Date: |
| Field tasks: Groundwater, Soil, Soil Vapor Sampling | Weather: |
| Personnel / Company On-Site: H. Bondiek, H. Hucks | |

Attachments: Site Map___ Data Sheets___ Geologic Logs___ Photos___ COC___ Chargeable Materials___

Time:

Notes:

PID READINGS

| Location | Depth | PID |
|---|---|---|
| GW-2 | 5' | 0.0 |
| GW-2 | 10' | 0.0 |
| GW-2 | 15' | 0.0 |
| GW-5 | 5' | 0.0 |
| GW-5 | 10' | 0.0 |
| GW-5 | 15' | 0.0 |

5/5/22

Signature of Field Personnel & Date

| | |
|---|---|
| Project / Client: Downtown Library ESA | Project # : 2T158B |
| Site Location: 113 Lincoln St., Santa Cruz, CA | Date: 5/6/22 |
| Field tasks: Groundwater, Soil, Soil Vapor Sampling | Weather: Sunny, 50° |
| Personnel / Company On-Site: H. Bondiek, H. Hucks | |
| Attachments: Site Map___ Data Sheets___ Geologic Logs___ Photos X COC X Chargeable Materials___ | |

| Time: | Notes: |
|---|---|
| 7:50 | • Arrived on-site. Trinity drilling arrived, went over site safety. Beginning soil vapor installation at SV-1. |
| 10:30 | • Completed soil vapor install and soil sampling. |
| | • Harrison arrived on-site to collect soil vapor samples. |
| 12:00 | • Soil samples were packed immediately on ice and delivered to FedEx. |
| | HB |

5/6/22
Signature of Field Personnel & Date

**WEBER, HAYES & ASSOCIATES**
*Hydrogeology and Environmental Engineering*
120 Westgate Drive, Watsonville, CA 95076
831.722.3580 // www.weber-hayes.com

**INDICATE ATTACHMENTS THAT APPLY**
- [x] Site Map
- [ ] Data Sheets
- [ ] Geologic Logs
- [x] Photo Sheets
- [ ] COC's
- [ ] Chargeable Materials

| | |
|---|---|
| **Job Name:** Phase II- Downtown Library | **Date:** 5/6/22 |
| **Site Location:** 113 Lincoln Street Santa Cruz | **Study #:** 2T158 |
| **Field Tasks:** [ ] Drilling [x] Sampling [ ] Other (see below): Soil vapor Sampling | **Weather Conditions:** Sunny - warm - Few clouds |
| **Personnel / Company On-Site:** Harrison Hicks (WHA), Heather Bordick (WHA), Trinity Drilling (Eric) | |

**TIME:**

1030 Arrive on-site & meet w/Heather Bordick (WHA) to discuss drilling progress.
- Goal: Collect soil vapor data from nine (9) soil vapor probes at locations across the site (see site map) for preliminary investigation.
- Discuss soil vapor probe construction details w/Heather

| • Probe # | Set Time | Equilibration Time |
|---|---|---|
| SV-1 | 0825 | 1025 |
| SV-2 | 0835 | 1035 |
| SV-3 | 0850 | 1050 |
| SV-4 | 0905 | 1105 |
| SV-5 | 1015 | 1215 |
| SV-6 | 0915 | 1115 |
| SV-7 | 0935 | 1135 |
| SV-8 | 0955 | 1155 |
| SV-9 | 1005 | 1205 |

- will allow 2 hours of equilibration prior to sampling as per state guidance/Field Methodology.

Prepare to begin soil vapor sampling. For additional sampling detail, see attached soil vapor sampling field sheets & photo sheets.

Mob. to SV-1 and prepare to purge → purge complete.

- Trinity Drilling departs. Heather Bordick departs.

1122 - Begin Sampling → sampling complete.

5/6/22
Signature of Field Personnel & Date

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*Hydrogeology and Environmental Engineering*
120 Westgate Drive, Watsonville, CA 95076
831.722.3580 // www.weber-hayes.com



**INDICATE ATTACHMENTS THAT APPLY**
- [x] Site Map
- [ ] Data Sheets
- [ ] Geologic Logs
- [x] Photo Sheets
- [ ] COC's
- [ ] Chargeable Materials

| | |
|---|---|
| **Job Name:** Phase II – Downtown Library | **Date:** 5/6/22 |
| **Site Location:** 113 Lincoln Street, Santa Cruz | **Study #:** 2T158 |
| **Field Tasks:** [ ] Drilling [x] Sampling [ ] Other (see below): Soil Vapor Sampling | **Weather Conditions:** Sunny – Warm – slight Breeze |
| **Personnel / Company On-Site:** Harrison Hucks (WHA) | |

**TIME:**

| | |
|---|---|
| | Mob. to SV-2 and begin purge → purge complete. |
| 1146 | – Begin sampling → sampling complete. |
| | Mob. to SV-3 and begin purge → purge complete |
| | – Begin sampling → sampling complete. Heather Bardick drops-off concrete patching materials. |
| | Mob. to SV-4 and begin purge → purge complete |
| 1241 | – Begin sampling → sampling complete. |
| | Mob. to SV-5 and begin purge → purge complete |
| | – Begin sampling → sampling complete. |
| | Mob. to SV-6 and begin purge → purge complete |
| 1340 | – Begin sampling → sampling complete. |
| | – Provide field update to P.M. Pat Hoban (WHA) |
| | Mob. to SV-7 and begin purge → purge complete. |
| | – begin sampling → sampling complete |
| | Mob. to SV-8 and begin purge → purge complete |
| 1502 | – begin sampling → sampling complete. |
| | Mob. to SV-9 and begin purge → purge complete. |
| | – begin sampling → sampling complete. |
| | All soil vapor samples collected. Complete chain of custody documentation |
| | and coordinate pick-up of samples w/lab courier. |
| | – Patch soil vapor probes w/concrete to match existing grade. |
| 1700 | Lab courier arrives → provide samples under chain of custody (Peter Bins) |
| | – Patch remaining probes and pack equipment. |
| 1750 | Demob. |
| | |

5/6/22
Signature of Field Personnel & Date

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-1 **Canister No:** 6020 **Manifold No:** 1254, 1180

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

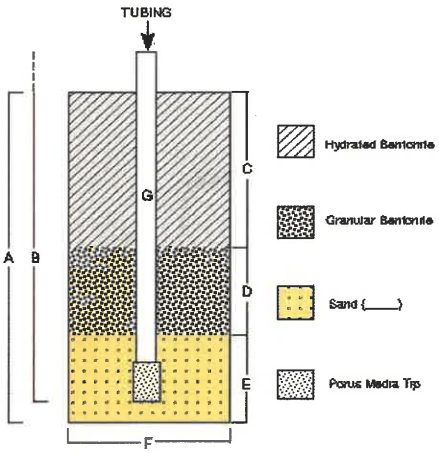
**Requested Analyses (circle all that apply):** **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1115 | 0 | -- | <1 | 30 |
| 1117 | 2 | 20-120 | <1 | 23 |
| 1119 | 4 | 100-350 | <1 | 14 |
| 1121 | 6 | 80-150 | <1 | 7 |
| 1122 | 7 | 70-150 | <1 | 4.5 |
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| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 4.5 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 1 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-2 **Canister No:** 2649 **Manifold No:** 1076, 1099

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

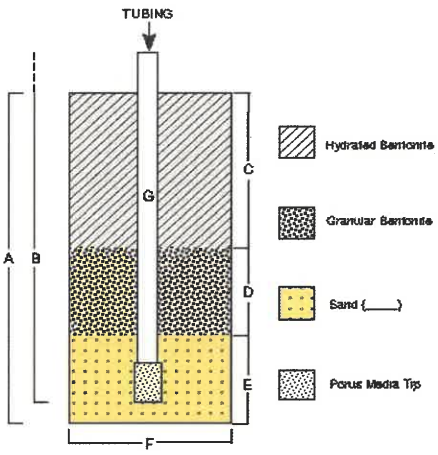
~~Requested Analyses (circle all that apply):~~ **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1140 | 0 | -- | <1 | 30 |
| 1142 | 2 | 50-100 | <1 | 20 |
| 1144 | 4 | 50-200 | <1 | 10 |
| 1146 | 6 | 100-200 | <1 | 4 |
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| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 4 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 2 - 5/6/22

TVOC Reading (ppm): 23.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-3 **Canister No:** 6026 **Manifold No:** 1140, 1210

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

**Requested Analyses (circle all that apply):**

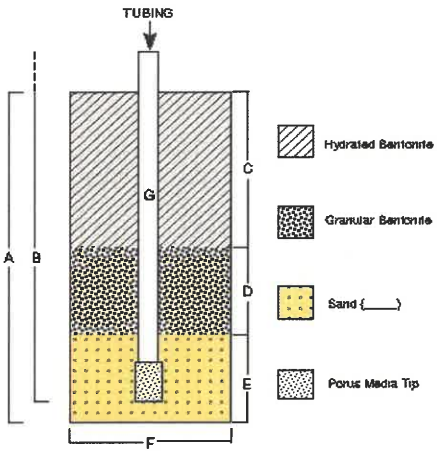
VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Sample Collection Media:** *1.4-L Summa Canister*

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1202 | 0 | -- | <1 | 30 |
| 1204 | 2 | 160-500 | <1 | 21 |
| 1206 | 4 | 150-350 | <1 | 12 |
| 1208 | 6 | 200-350 | <1 | 5 |
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H.H.

initial canister vacuum: 30 "Hg

final canister vacuum: 5 "Hg

Post-Sample PID Reading: TVOCs Average:

Comments: PID Datalog # 3 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-4 **Canister No:** 10391 **Manifold No:** 1247, 1265

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

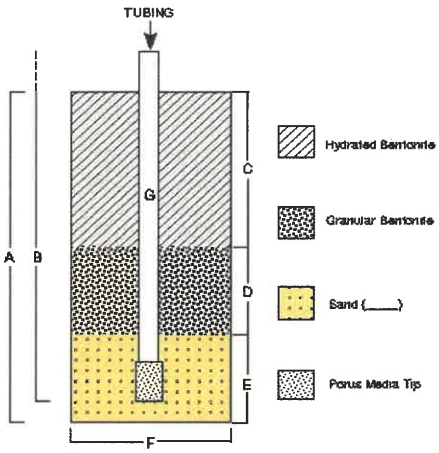
**Requested Analyses (circle all that apply):** **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1235 | 0 | -- | <1 | 30 |
| 1237 | 2 | 150-700 | <1 | 21 |
| 1239 | 4 | 150-400 | <1 | 13 |
| 1241 | 6 | 50-200 | <1 | 5 |
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| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 5 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 4-5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-5 **Canister No:** 10528 **Manifold No:** 1022, 1114

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

**~~Requested Analyses (circle~~ all that apply):**

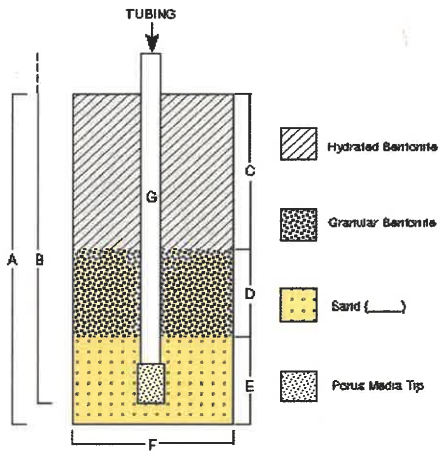
VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Sample Collection Media:** *1.4-L Summa Canister*

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1308 | 0 | -- | <1 | 30 |
| 1310 | 2 | 100-250 | <1 | 21 |
| 1312 | 4 | 150-350 | <1 | 12 |
| 1314 | 6 | 200-250 | <1 | 5 |
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H.H.

initial canister vacuum: 30 "Hg

final canister vacuum: 5 "Hg

Post-Sample PID Reading: TVOCs Average:

Comments: PID Datalog # 5 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-6 **Canister No:** 1531 **Manifold No:** 1505, 1153

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

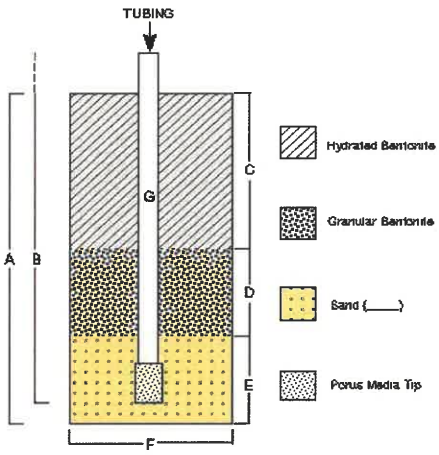
**Requested Analyses (circle all that apply):** **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1334 | 0 | -- | <1 | 30 |
| 1336 | 2 | 90-200 | <1 | 20 |
| 1338 | 4 | 150-250 | <1 | 11 |
| 1340 | 6 | 100-200 | <1 | 4.5 |
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| | | | | |
| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 4.5 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 6 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

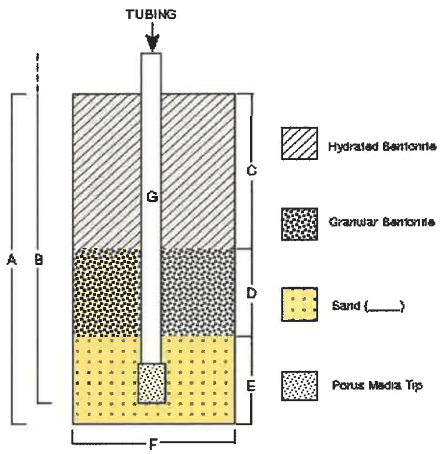
**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*
**Sample I.D.:** SV-7 **Canister No:** 2853 **Manifold No:** 1261, 1224
**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

**~~Requested Analyses (circle~~ all that apply):** **Sample Collection Media:**
VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*
TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'
B: 7.5'
C: 2.5'
D: 1'
E: 1'
F: 2.25"
G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft
3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):
8-inch boring = 3,341 mL/ft
2.25-inch boring = 264 mL/ft
2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml
Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml
**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes
**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No (circled)

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1405 | 0 | -- | <1 | 30 |
| 1407 | 2 | 200-300 | <1 | 21 |
| 1409 | 4 | 120-300 | <1 | 11 |
| 1411 | 6 | 150-400 | <1 | 3.5 |
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| | | | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 3.5 "Hg

H.H.

Post-Sample PID Reading: TVOCs Average:

Comments: PID Datalog # 7 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-8 **Canister No:** 2370 **Manifold No:** 1260

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

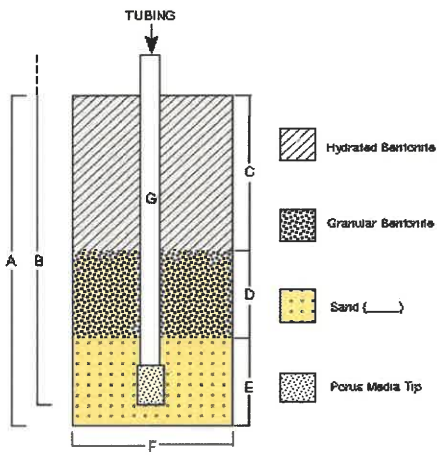
**Requested Analyses (circle all that apply):** **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28,317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1456 | 0 | -- | <1 | 30 |
| 1458 | 2 | 150-550 | <1 | 21 |
| 1500 | 4 | 150-250 | <1 | 12 |
| 1502 | 6 | 200-500 | <1 | 5 |
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| | | | | |
| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 5 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 8 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

# ACTIVE SOIL VAPOR SAMPLING FIELD DATA SHEET

## Sample Location Information

**Project Name/No.:** *113 Lincoln Street - 2T158* **Date:** *May 6, 2022*

**Sample I.D.:** SV-9 **Canister No:** [redacted] 1134 **Manifold No:** 1259, 1269

**Samplers Name:** *Harrison Hucks* **Recorded by:** HH

## Sample Analysis Information

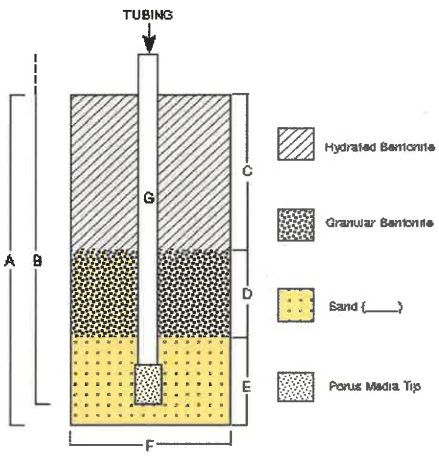
**Requested Analyses (circle all that apply):** **Sample Collection Media:**

VOCs by EPA Method TO-15 or TO-14; M-BTEX & TBA by EPA Method TO-15; Naphthalene by EPA Method TO-15 *1.4-L Summa Canister*

TPH-gas by EPA Method TO-15 Methane, $CO_2$ & $O_2$ by ASTM D-1946; IPA by TO-15

**Lab:** *BC Labs* **Transportation:** *Courier*

## Semi-Permanent Vapor Probe Construction Details




Probe Tip Set Depth / Sample Depth: 4.0'

A: 4.5'

B: 7.5'

C: 2.5'

D: 1'

E: 1'

F: 2.25"

G: 3/16"

Volumetric Conversions (28.317 mL/ft$^3$):

Tubing (NylaFlow): 1/8-inch (id) tubing = 2.4 mL/ft

3/16-inch (id) tubing = 5.4 mL/ft

Annulus: Sand (#3 or #2/12) & Granular Bentonite (33.8% porosity):

8-inch boring = 3,341 mL/ft

2.25-inch boring = 264 mL/ft

2.75-inch boring = 395 mL/ft

Annular Dead Space Volume: [(D+E) x Annulus Volume Conversion)] 528 ml

Tubing Dead Space Volume: [B x Tubing Volume Conversion] 40.5 ml

**Total Dead Space Volume** (Tubing + Annular): 568.5 ml

## System Purge Information

Required **System Volume** to Purged based on DTSC Guidance for vapor probe samples = 3 System ("dead space") Volumes

**Total Site Specific Purge Volume** = Total Dead Space Volume **x** # of System Volumes = 1,705.5 ml = 8.53 "Hg Δ = [Total Dead Space Vol] / [Sample Flow Rate]

## Sampling and Leak Check Information

**Summa Canister:**

Canister Volume: 1.4-L Manifold Shut-In check duration: 1 minute Manifold Leaking: Yes / No

Leak Check Tracer Compound: IPA (leak tracer compound applied to shroud encapsulating entire system)

**Begin Sample Collection:**

Canister Sample Rate: 180 mL/min

PID Calibration:

| Time | Elapsed Time | Shroud leak tracer concentration (ppm) | Vapor Probe Vacuum ("Hg) | Canister Vacuum ("Hg) |
|---|---|---|---|---|
| 1545 | 0 | -- | <1 | 30 |
| 1547 | 2 | 100-250 | <1 | 20 |
| 1549 | 4 | 150-400 | <1 | 11 |
| 1551 | 6 | 100-200 | <1 | 4 |
| | | | | |
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| | | | | |
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| | | | | |
| | | Average: | | |

initial canister vacuum: 30 "Hg

final canister vacuum: 4 "Hg

Post-Sample PID Reading: TVOCs

Comments: PID Datalog # 9 - 5/6/22

TVOC Reading (ppm): 0.0 ppm

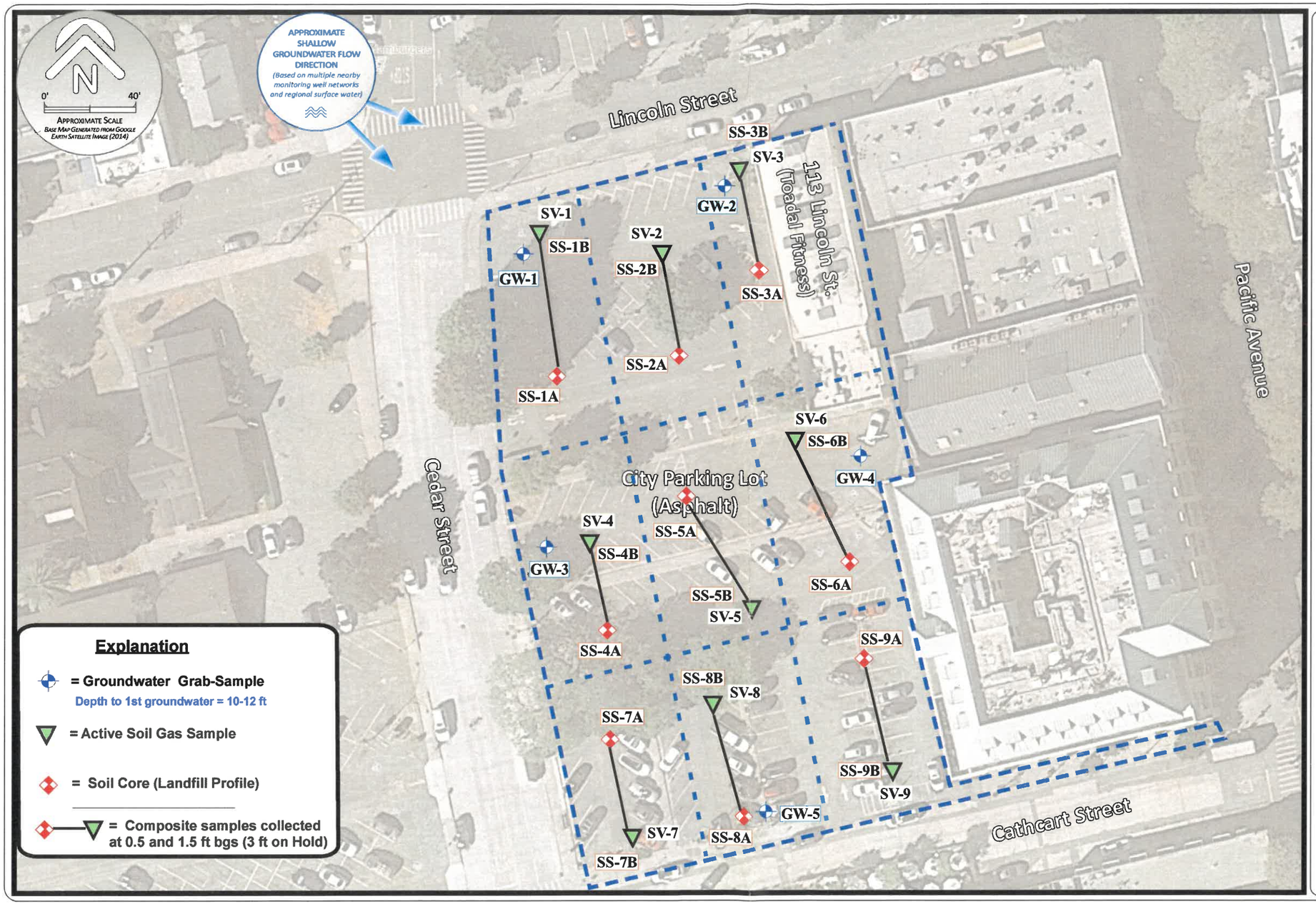


**Figure 3**
*Project 2T158*

**Site Map**
**Phase I Environmental Site Assessment**

Site: Santa Cruz County Library ESA
Address: 113 Lincoln Street, Santa Cruz

Date: February 2022

Revisions/Notes:

Weber, Hayes & Associates
*Hydrogeology and Environmental Engineering*
120 Westgate Drive, Watsonville, CA
831.722.3580 / www.weber-hayes.com

# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 5, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**GW-2**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | | | | | | GP | 0.80' asphalt, well graded loose gravel and sand base material to 0.75' bgs. Concrete pad beneath asphalt to 1.1' bgs. |
| 1 | | | | | | SP-SC | **Poorly Graded SAND with Silt,** dark yellowish brown (10YR 4/6), dry, appears loose, dominantly fine sand, 5-10% silt, no odor, no discoloration. |
| 2 | | | | | | | |
| 3 | | | 0.0 ppm | | | | |
| 4 | | | | | | | |
| 5 | | | 0.0 ppm | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | -Silt content decreases to >5%. |
| 8 | | | | | | | -Gradational Contact |
| 9 | | | | | | SP-SM | **Poorly Graded SAND ,** yellowish brown (10YR 5/6), damp, appears very loose, dominantly fine sand, no odor, no discoloration |
| 10 | | | | | | | |
| 11 | | | depth to water 11.1' | | | | -grain size increases to medium sand. |
| 12 | | | | | | | |
| 13 | | | | | | | -grain size increase to medium to coarse sand. |
| 14 | | | | | | | - Color changes to light brownish gray (10YR 6/2), localized subangular gravels. |
| 15 | | | | | | | - Terminate boring at 15 feet bgs; construct soil vapor probe as depicted in diagram. |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

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# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 5, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**GW-5**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | | | | | | GP | 0.80' asphalt, well graded loose gravel and sand base material to 0.75' bgs. |
| 1 | | | | | | SP-SC | **Well Graded SAND,** dark yellowish brown (10YR 4/6), dry, appears loose, dominantly fine sand, 25-30% coarse sand, no odor, no discoloration |
| 2 | | | | | | | -Gradational Contact |
| 3 | | | | | | | **Sandy SILT,** yellowish brown (10YR 5/4), wet, appears loose, dominantly silt, 20-25% fine sand, no odor, no discoloration |
| 4 | | | | | | | |
| 5 | | | 0.0 ppm | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | **Poorly Graded Sand,** yellowish brown (10YR 5/6), dominantly fine sand, 35-40% coarse sand, no odor, no discoloration |
| 8 | | | | | | | |
| 9 | | | | | | SP-SM | - grain size increases 40-45% medium sand, 30-35% coarse sand, 20-30% fine sand. |
| 10 | | | 0.0 ppm | | | | |
| 11 | | | depth to water 11.1' | | | | |
| 12 | | | | | | | |
| 13 | | | 0.0 ppm | | | | |
| 14 | | | | | | | - Terminate boring at 13 feet bgs; construct soil vapor probe as depicted in diagram. |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

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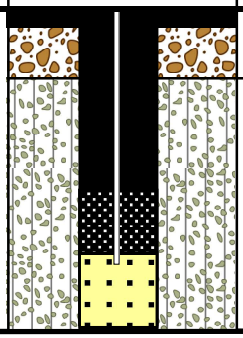
# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-1**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel and sand base material to 0.75' bgs. |
| 1 | | | | | | SP-SC | **Poorly Graded SAND with Silt,** yellowish brown (10YR 5/6), damp, appears loose, dominantly fine sand, 20-30% silt, no odor, no discoloration. |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | | |
| 4 | | | | | | | - Sand content increases with depth. |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
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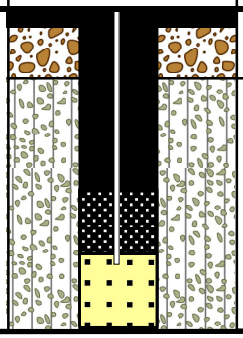
# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-2**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel concrete and sand base material to 0.80' bgs |
| 1 | | | | | | SP-SC | **Poorly Graded SAND with Silt,** yellowish brown (10YR 5/6), damp, appears loose, dominantly fine sand, 20-30% silt, no odor, no discoloration. |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | | |
| 4 | | | | | | | - Sand content increases with depth. |
| 5 | | | | | | | - Terminate boring at 5.5 feet bgs; construct soil vapor probe as depicted in diagram. |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
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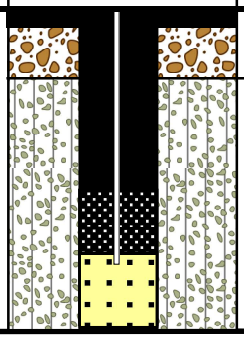
# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-3**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel concrete and sand base material to 0.85' bgs |
| 1 | | | | | | SM | **Poorly Graded SAND with Silt,** yellowish brown (10YR 5/6), damp, appears loose, dominantly fine sand, 20-30% silt, no odor, no discoloration. |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | | |
| 4 | | | | | | | - Sand content increases with depth. |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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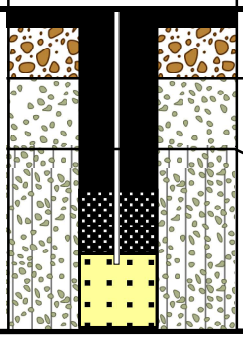
# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-4**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel concrete and sand base material to 0.85' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. |
| 2 | ✓ | | 0.0 ppm | | | | Gradational Contact |
| 3 | ✓ | | 0.0 ppm | | | SM | **Well Graded Silty SAND,** dark grayish brown (10YR 4/2), damp, appears loose, dominantly fine sand, 30-35% silt, no odor, no discoloration. |
| 4 | | | | | | | |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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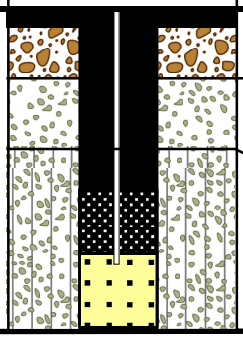
# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-5**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel concrete and sand base material to 0.85' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. |
| 2 | ✓ | | 0.0 ppm | | | | Gradational Contact |
| 3 | ✓ | | 0.0 ppm | | | SM | **Well Graded Silty SAND,** dark grayish brown (10YR 4/2), damp, appears loose, dominantly fine sand, 30-35% silt, no odor, no discoloration. |
| 4 | | | | | | | |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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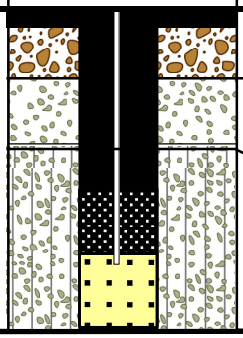
Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-6**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel and sand base material to 0.75' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. -Gradational Contact |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | SM | **Well Graded Silty SAND,** very dark grayish brown (10YR 3/2), damp, appears medium dense, dominantly fine sand, 35-40% silt, no odor, no discoloration. -Silt content decreases with depth. |
| 4 | | | | | | | |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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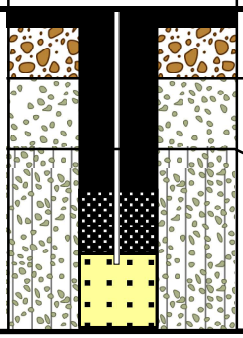
Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-7**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel and sand base material to 0.75' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. -Gradational Contact |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | SM | **Well Graded Silty SAND,** very dark grayish brown (10YR 3/2), damp, appears medium dense, dominantly fine sand, 35-40% silt, no odor, no discoloration. -Silt content decreases with depth. |
| 4 | | | | | | | |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

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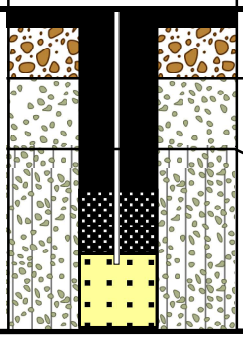
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-8**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | |  | GP | 0.25' asphalt, well graded loose gravel and sand base material to 0.75' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. -Gradational Contact |
| 2 | ✓ | | 0.0 ppm | | | | |
| 3 | ✓ | | 0.0 ppm | | | SM | **Well Graded Silty SAND,** very dark grayish brown (10YR 3/2), damp, appears medium dense, dominantly fine sand, 35-40% silt, no odor, no discoloration. -Silt content decreases with depth. |
| 4 | | | | | | | |
| 5 | | | | | | | - Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram. |
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# GEOLOGIC LOG

Hydraulic Driven
Geo-Probe Boring
**Temporary Soil Vapor Probe**

JOB NO.: 2T158 DATE: May 6, 2022
CLIENT: City of Santa Cruz
LOCATION: 113 Lincoln St., Santa Cruz, CA, 95060
LOGGED BY: H. Bondiek and checked by P. Hoban, PG #7995
DRILLER: Trinity Drilling, Inc. (Eric Choi)
DRILL METHOD: Hydraulic Driven Probe

BORING #
**SV-9**
Sheet 1 of 1

| Depth (feet) | Sample Interval | Sample Analyzed | Sample Identification & Field PID Data (ppm) Calibrated for TVOC | Groundwater Depth | Lithologic Pattern & Probe Construction | USCS symbol | SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.) |
|---|---|---|---|---|---|---|---|
| 0 | ✓ | | 0.0 ppm | | | GP | 0.25' asphalt, well graded loose gravel and sand base material to 0.75' bgs |
| 1 | | | | | | SP-SC | **Well Graded SAND,** brown yellowish (10YR 6/8), dry, appears loose, dominantly fine sand, localized angular gravels and pebbles, no odor, no discoloration. -Gradational Contact |
| 2 | ✓ | | 0.0 ppm | | | | **CLAY with Sand,** dark yellowish brown (10 YR 3/6), damp, appears loose, 10-15% fine sand, no odor, no discoloration. -Gradational Contact |
| 3 | ✓ | | 0.0 ppm | | | | **Well Graded Silty SAND,** very dark grayish brown (10YR 3/2), damp, appears medium dense, dominantly fine sand, 35-40% silt, no odor, no discoloration. Silt content decreases with depth. |
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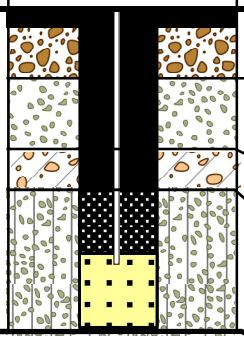

- Terminate boring at 4.5 feet bgs; construct soil vapor probe as depicted in diagram.

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# Field Methodology for Active Soil Gas Sampling

Active soil gas / soil vapor (we use the terms interchangeably) sampling is conducted in general accordance with the procedures outlined in the CalEPA's/DTSC/LARWQCB/SFRWQCB *Advisory – Active Soil Gas Investigations* (July 2015)[1], and the DTSC/CalEPA's final *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)* (October 2011). We use the terms soil gas and soil vapor interchangeably. The field methodology for active soil gas/vapor sampling entails:

- Constructing Soil Gas Sample Points/Probes
- Setting up the sampling and leak testing equipment; and
- Soil Vapor Sampling

**Constructing & Decommissioning Soil Vapor Sample Points/Probes**

Soil vapor sample points can be either semi-permanent or temporary. A semi-permanent sample probe is constructed with a secure surface completion consisting of bolt-down flush-mounted well vault so it can be reused. A field geologist or engineer logs the soils encountered using the Unified Soil Classification System (USCS), unless the site is already well characterized geologically.

**Shallow soil vapor probe installation via GeoProbe drill rig**

Shallow Soil Vapor Probe: The soil vapor/gas probe is installed to the target sampling depth via a Geo-Probe drill rig, which hydraulically drives and vibrates steel probes into the soil. The soil is cored out using a 4-foot long nickel-plated sampling barrel fitted with a clear acetate liner. During coring operations, the sample barrel remains open as it is driven into undisturbed soil over its entire 4-foot sampling interval. Alternatively, the soil gas probe borehole can be created via a hollow stem auger or hand auger. Shallow soil gas / soil vapor sample depths will be no less than 5 feet deep (if possible) in order to avoid breakthrough of ambient air from the surface. Shallow and deeper soil gas points are constructed in a similar manner. Once the probe hole is cored to the desired sample depth, a length of 3/16–inch inner diameter Teflon or Nylaflo tubing (Teflon is preferred, especially if testing for naphthalene) having a porous media tip (i.e., ceramic filter stone) attached at the down-hole end of the tubing is inserted through a

[1]: https://www.dtsc.ca.gov/SiteCleanup/upload/VI_ActiveSoilGasAdvisory_FINAL.pdf

1-inch diameter tremie-pipe that is extended down to 6-inches above the base of the borehole. The sample tubing end with the ceramic filter stone is also placed approximately 6-inches above the base of the borehole. A minimum of a one-foot sand pack is emplaced at the base of the borehole (the grain size of the sand pack is larger than the grain size of the adjacent formation), followed by at least one foot of dry granular bentonite. The probe tip is emplaced midway within the sand pack. While the sand pack and granular bentonite is slowly added to the borehole, the tremie-pipe is correspondingly pulled out of the boring (with the bottom of the tremie pipe periodically "tapping" the top surface of sand pack and granular bentonite to ensure that no bridging occurs). The remainder of the borehole is sealed to the ground surface with hydrated bentonite gel for temporary points or neat cement mixed with 1% – 5% bentonite, which are both pre-mixed at the ground surface; this ensures a sound surface seal and/or seal between multi-depth nested probe sample intervals.

Decommissioning Shallow Soil Vapor Points: Following sample collection the vapor probe is properly decommissioned by one of the following regulatory approved techniques:

- The sample tubing is completely removed from the ground surface (if possible) allowing the bentonite gel slurry to flow into the small vertical void thereby sealing the borehole. Subsequently, approximately 6-inches of bentonite slurry is removed below the ground surface and the surface is patched to match the existing grade.
- The sample tubing is properly destroyed by injecting neat cement grout into the tubing via a syringe. The volume of grout injected into the tubing is monitored to ensure that the entire tubing is completely sealed. Subsequently, the tubing is cut off approximately 6-inches below the ground surface and the surface is patched to match the existing grade.
- The vapor probe is properly destroyed by over-drilling the sample tubing and annular seal material. Once the material has been removed, the subsequent borehole is filled with neat cement grout to within about 6-inches of the ground surface and the surface is patched to match the existing grade.

Sub-Slab Soil Vapor Probe: The emplacement of the sub-slab soil vapor sampling probe is conducted by coring a 1 to 1-1/4-inch diameter hole via an electric hand rotary hammer drill through the slab foundation. The sub-slab borehole is advanced approximately 3 to 4-inches below the base of the slab and into the sub-slab material. Once the probe hole is cored to the desired sample depth a length of 3/16–inch inner diameter Teflon or Nylaflo or inert, cleaned metal tubing with a porous media tip (i.e., ceramic filter stone) attached at the down-hole end of the tubing is inserted into the borehole. The probe tip is emplaced 1 to 2-inches above the base of the bore hole. A minimum of 2 to 4-inches of sand pack is emplaced at the base of the borehole followed by at least 1 to 2-inches of dry granular bentonite to above the base of the

slab. The probe tip is emplaced midway within the sand pack. The remainder of the borehole is sealed to the ground surface with hydrated bentonite for temporary points or hydrated bentonite followed by neat cement for permanent points to ensure a sound surface seal. Permanent points have a flush-mount inert metal fitting for providing a good seal when connecting the above-ground sample tubing and for plugging between sampling events. Following sample collection from a temporary probe the sample tubing is removed and the subsequent void is sealed with hydrated bentonite and the surface is patched with concrete.

**Purging**

Prior to soil gas sample collection, a purge volume or "dead space volume" will be calculated in order to purge ambient or stagnant air from the sampling system to ensure that collected samples are representative.

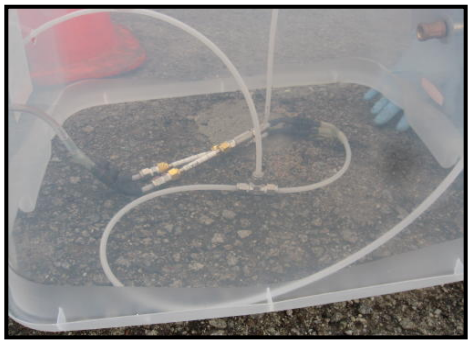
Per the procedures outlined in the CalEPA's Advisory, a default of three purge volumes will be extracted prior to sampling. The purge volume consists of approximately three system volumes (i.e. tubing and annular space) of soil gas, while capturing the purge effluent. One system volume is calculated by summing the inner diameter (id) tubing volume (i.e., id area times the length of tubing) and the annular pore space volume (i.e., area of the borehole times the length of sand pack and granular bentonite surrounding the ceramic filter stone tip times an estimated sand-pack pore space volume of 33.8%). The purge rate will be conducted at the same rate soil gas is sampled (approximately 200-mL/min flow). We note that Cal-EPA guidance recommends purging or sampling at rates between 100 to 200-mL/min for soil vapor points at all depths, including sub-slab vapor points, to limit air stripping and to prevent ambient air form diluting the sample. After the specific pre-determined purge volume is removed, a soil vapor/gas sample is collected for laboratory analyses for the site-specific target compounds as discussed below.

**Sample Collection**

Before purging the appropriate "dead space volume" from the soil vapor/gas probe, the probe seal is allowed to cure and the subsurface is allowed to equilibrate for the appropriate amount of time per the procedures outlined in the CalEPA's Advisory. We note that an equilibration time of 2-hours is required for soil vapor/gas points installed via a direct push drill rig and 48-hours for soil vapor/gas points installed via a hollow stem auger drill rig, hand-auger, or an electric hand rotary hammer drill. Once the appropriate "dead space volume" has been purged, the sample tubing will be attached to a laboratory prepared soil vapor manifold and 1 or 6-liter Summa canister or sorbent sampling media depending on required laboratory analysis. We note that the choice between using a 1-L or 6-L canister is typically dependent on the purpose of the site investigation. However, for soil vapor/gas samples collected at a depth

less than 5-feet, including sub-slab vapor points, a 1-L canister should be used to avoid excessive air removal and to prevent ambient air from entering the sub-surface and sample. When sampling for ambient indoor air, a 6-L canister is nearly always required because of the extremely low detection limits required to meet Indoor Air ESLs. For soil vapor collection, a 1-L canister may be all that is necessary if the site is known to contain high concentrations of contaminants of interest that make achieving low detection limits a secondary concern. In those cases, only a small volume of the 1-L collected is necessary for analysis of both the TO-15 and the TO-3 compounds. However, if a site does not have historical data indicating that it is significantly contaminated, or if multiple analytical runs become necessary to achieve reporting limit/CHHSL/ESL goals, it becomes critical to have a larger initial volume of collected sample. A 6-L volume allows the laboratory to provide the lowest possible detection for the compounds of interest for full list TO-15 while providing enough volume for the additional analysis of individual compounds that may require dilution to bring them within the instrument calibration range. The 6-L volume will provide enough residual sample to analyze for additional contaminants (e.g., EPA Method TO-3) and/or fixed Gases (ASTM D1946) including Helium, which may be used as a tracer or leak check compound in the investigation. A consultation with the selected testing laboratory will be conducted for each investigation to ensure that appropriate sample volumes are obtained.

Sample collection with Summa canisters



Sample collection with sorbent tube

The following sample collection procedures are followed for each sample collection media:

- The Summa canisters will be supplied by the analytical laboratory with a vacuum of approximately 30-inches of mercury and outfitted with a 200-mL/min flow control valve. The tubing will be connected to the soil vapor manifold and Summa canister using airtight stainless-steel or brass fittings. The flow control valve will then be opened slowly to draw the vapor sample from the target depth.
- Laboratory sorbent media and canister with a vacuum of approximately 30-inches of mercury and outfitted with a 200- mL/min flow control valve or sampling pump (10 to 200 mL/min) will be supplied by the analytical laboratory. The tubing will be connected to the sorbent media sample tube, upstream of the vacuum canister/sample pump/syringe using airtight stainless-steel or brass fittings. The sample

vacuum canister/ pump/syringe will then be activated to draw approximately 1 to 3-L of sample volume for TO-17 analysis from the target depth at a flow rate of 200- mL/min or less per sorbent media sample tube manufacturer and/or laboratory guidelines.

Schematic diagrams of sample configurations for the different sampling media (i.e., Summa canister and sorbent media) and probe construction (i.e., shallow soil and sub-slab) are included as attachments 1, 2, and 3 of this field methodology.

**Leak Detection Monitoring**

Leak detection monitoring will be conducted during soil gas sampling by applying a tracer compound (i.e., isopropyl alcohol [isopropanol, IPA] or helium) to the sample system connections and bentonite seal. Specifically, a shroud will be used to encapsulate the entire system (i.e., the sample canister and surface bentonite seal) so as to trap the applied tracer compound. The leak detection monitoring configuration is graphically depicted on attachments 1, 2, and 3 of this field methodology. The concentration of the leak check compound within the shroud will be monitored periodically throughout the sample collection period with a PID calibrated to the specific tracer gas compound and these values will be recorded into the field notes. The tracer compound (i.e., IPA or helium) is maintained within the shroud at a concentration of approximately two (2) orders of magnitude higher than the detection limit of the field meter used throughout the duration of sample collection. The testing laboratory will screen for this compound in all analyzed air samples when IPA is used. If helium is used the laboratory can screen for this compound if collected in Summa canisters, or the sample effluent after passing through the sorbent media will be field screened for the presence of the helium.

**Monitoring leak check compound within shroud during sample collection**

Prior to purging and sample collection, a “shut-in test” is performed to check the above-ground sample system connections downstream from the top of the soil vapor/gas probe, including the laboratory provided sample manifold (“sample train”). The “shut-in test” is completed in the field by closing off all valves to the laboratory provided soil vapor manifold and the soil vapor/gas probe tubing, and subsequently opening the valve to the connected “purge” Summa canister to increase the vacuum in the sample train to a minimum of 30-inches of mercury, at which point the purge canister is closed. Then the vacuum gauge on the sample train is observed for at least 1-minute to confirm it remains stable.

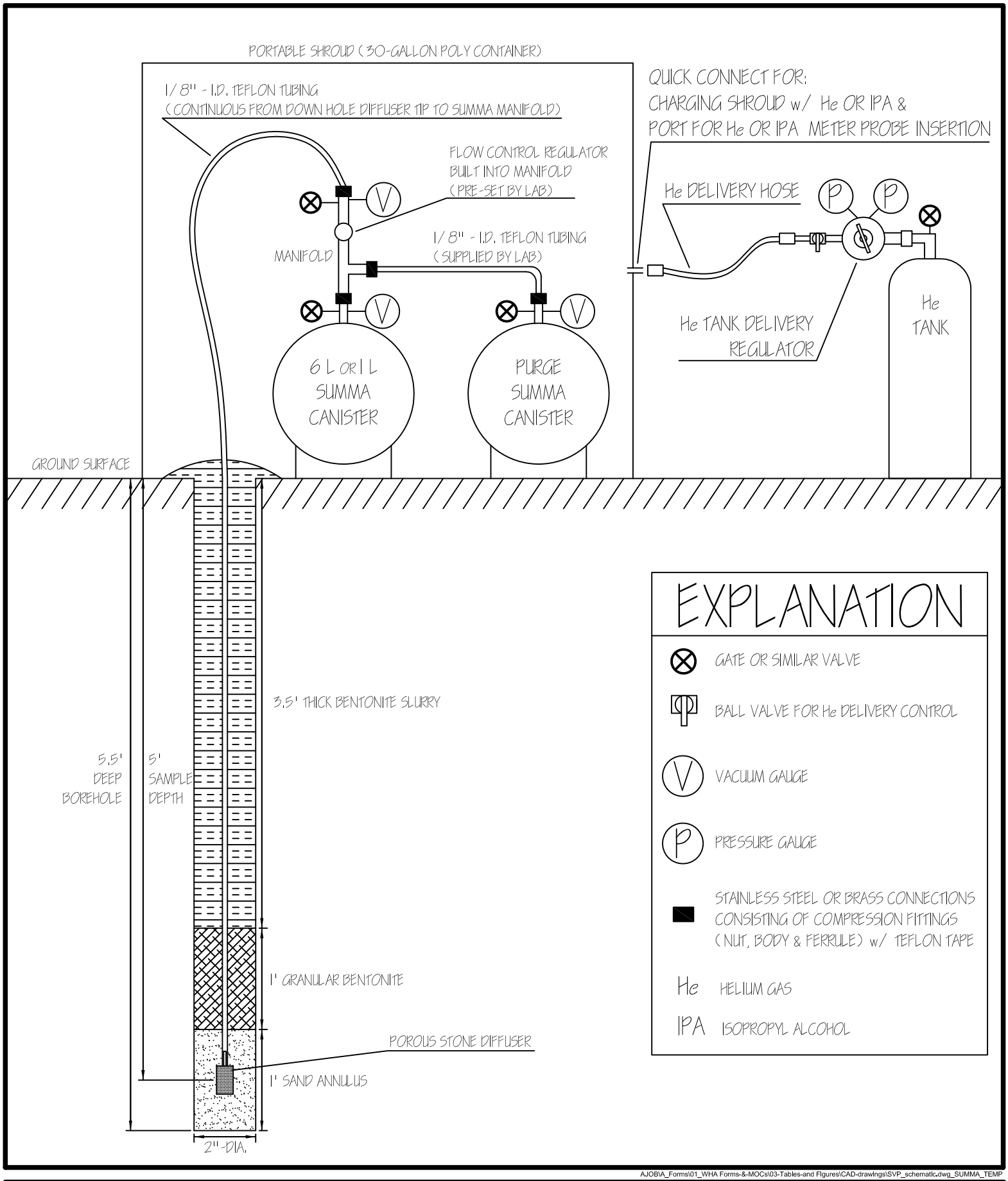
**Low Flow Sampling Conditions**

A low flow sampling condition is characterized as a condition where the sample probe cannot sustain a flow rate of 100-mL/min for more than three minutes while maintaining an applied vacuum of less than 100-inches of water (or 7.4-inches of mercury). The vacuum applied to the sample probe will be measured and monitored via a vacuum gauge installed between the sample probe and the sample collection flow regulator. If the vacuum measured within the sample probe exceeds 100-inches of water during dead space volume purging, then one of the following sample collection procedures will be employed:

- If the lithology observed during sample probe installation indicates potential for low permeability / low flow conditions a representative soil sample at the soil vapor sample depth will be collected and put on ice for possible laboratory analysis.
- If extreme low flow conditions are observed during purging, excessive time will be required to purge and collect a sample. We will contact the regulating agency to confirm collecting a purge volume approximating one dead space volume (i.e., volume of the sample tube plus the volume of the sand pack pore space and granular bentonite pore space surrounding the probe tip) will be evacuated prior to sample collection. Sample collection will proceed until the sample probe vacuum equals 100-inches of water. The sample system will then be closed off to allow the probe to relax and equilibrate. Over time the vacuum will eventually dissipate, the rate of which can be monitored via an in-line vacuum gauge installed as described above. Once the vacuum in the sample probe has dissipated, sampling will resume as described above. This process will be repeated until an adequate sample volume has been obtained for the required laboratory analysis.
- If during low flow sampling as stated above, the sample system when closed off to allow the probe to relax and equilibrate the probe vacuum does not reduce by 13.5 inches of water (1 inch of mercury) in 3-minutes, soil vapor sampling will cease and the previously collected soil sample will be submitted to the laboratory for potential analysis for site specific constituents.

**Sample Storage and Transport**

Once collected, the soil gas samples are then transported to a State-certified laboratory under appropriate chain-of-custody documentation. Sorbent media are wrapped in foil and placed in individual zip-lock type bags and immediately placed in a chilled cooler (chilled to 4 degrees Celsius) for storage and transport to the testing laboratory. Summa canisters are placed in laboratory provided cardboard boxes and stored at ambient temperature for transport to the testing laboratory.

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# Temporary Soil Vapor Probe Construction Details

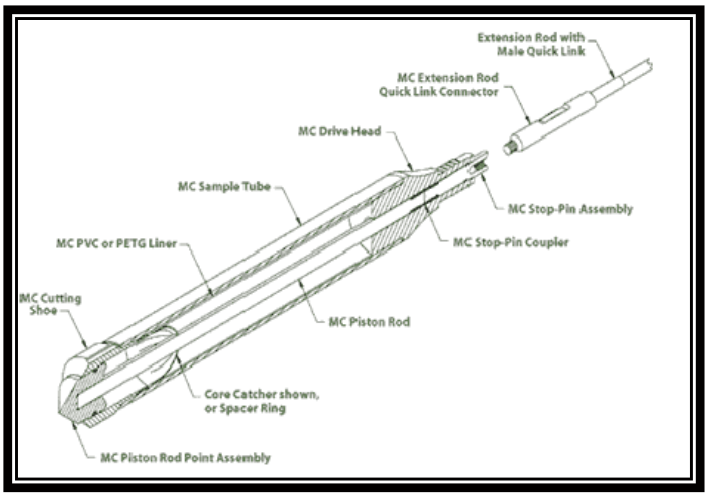
**Figure B**

1.1321

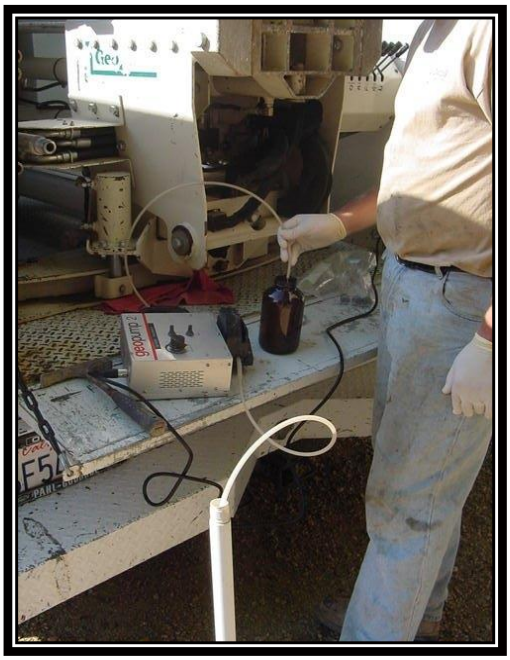
# Standard Field Methodology for Hydraulic Driven Probes

## Using Macro-Core®, Large Bore® or Dual Tube® Hydraulic Driven Probes

Direct push exploratory borings are "drilled" Geo-Probe rig, which hydraulically drives and vibrates steel probes into the soil. No drill cuttings are produced. This sampling technology has the ability for either continuous or discrete sampling using a 4-foot long nickel-plated sampling probes fitted with clear acetate liners. During coring operations, the sampler remains open as it is driven into undisturbed soil over its entire 4-foot sampling interval. After drilling, all exploratory boreholes are grouted according to county regulations.




The soil cores are logged by an experienced geologist using the Unified Soil Classification System (USCS), noting in particular, the lithology of the soils, moisture content, and any unusual odor or discoloration. Relatively undisturbed soil samples are obtained for both lithologic logging and laboratory analysis. A portion of individual soil cores are stored in a sealed plastic bags for field screening of hydrocarbons and/or volatile organic compounds by an Organic Vapor Analyzer (Photoionization Detector, PID). Vapor readings in parts per million (ppm) are recorded on the boring logs. The PID is also used during drilling for monitoring the work area for site safety.



All drilling equipment is steam cleaned prior to arriving on-site to prevent possible transfer of contamination from another site. The sampling probe and all other soil sampling equipment are thoroughly cleaned between each sampling event by washing in a Liqui-Nox or Alconox solution followed by a double rinsing with distilled water to prevent the transfer of contamination.

<u>Samples Targeted for Laboratory Analysis</u>: Soil samples targeted for laboratory analysis are immediately protected at both ends with Teflon tape, sealed with non-reactive caps, taped, labeled, and immediately stored in an insulated container cooled with blue ice. A portion of the

soil is placed in a ZipLock Bag and the soil gas is measured using the PID. Groundwater samples are collected after temporary casing is placed in the hole and at least one borehole volume are purged. Relatively representative groundwater samples are collected with individual disposable acrylic bailers, peristaltic pump and dedicated tubing, or ball and check valve with dedicated tubing and dispensed directly into containers specifically prepared for the analyses. Once collected, groundwater samples are immediately placed in ice chests cooled with blue ice. Soil and groundwater samples are then transported to a State-certified laboratory under appropriate chain-of-custody documents.

# Field Methodology for Shallow Soil Sampling

This following provides detailed descriptions of methods used during shallow soil sampling investigations. Included are specifications for shallow soil sampling with a slide hammer, and decontamination procedures.

Shallow Soil Sampling Procedures: A backhoe, two-person power auger, or a hand auger will be used to get to a point immediately above the sampling depth. Once at the desired sampling depth, a slide hammer will be used to drive a clean stainless-steel liner encased in the slide hammer sampling shoe to obtain a relatively undisturbed sample. The slide hammer consists of a metal rod with one end containing a sampling shoe and cutting head with which a sample liner can be installed. At the other end of the metal rod there is a handle that is constrained on the rod, but slides up and down the rod allowing force to be applied to the sampling shoe. Manual operation is used to slide the handle down the rod to force the sampling shoe equipped with the liner into native soils.

Materials retrieved from the sampler will be logged on an as-needed basis by the experienced field geologist using the Unified Soil Classification System (USCS), noting in particular, the lithology of the soils, moisture content, and any unusual odor or discoloration. The liner and relatively undisturbed soils will then be removed from the sampling shoe. The liner is then protected at both ends with Teflon tape, sealed with non-reactive caps, taped, and immediately stored in an insulated container cooled with blue ice at a temperature of 4 degree Celsius or less. Soil samples selected for Volatile Organic Compound (VOC) analysis may follow field preservation protocols according to EPA Method 5035, as described in DTSC's *Guidance Document for the Implementation of United States Environmental Protection Agency Method 5035: Methodologies for Collection, Preservation, Storage, and Preparation of Soils to be Analyzed for Volatile Organic Compounds*, dated November 2004. Selected samples will be transported under appropriate chain-of-custody documentation to a State certified laboratory performing the targeted analysis.

Upon completion of sampling at the designated location, the location will be backfilled and compacted with the materials that were removed prior to sampling, supplemented by clean imported fill as necessary.

Equipment Decontamination and Containerization Procedures: All sampling equipment will be cleaned prior to arriving on site to prevent possible transfer of contamination from another site. Additionally, sampling equipment will be thoroughly cleaned between each sampling run with a Liqui-Nox ® or Alconox ® solution followed by a double rinsing with distilled water to prevent the vertical transfer of contamination, and/or contamination from location to location onsite. Accordingly, all sampling equipment will be cleaned following sampling operations to prevent the possible transfer of contamination to another site.

All cleaning rinsate, and wash water produced during the shallow soil sampling and decontamination process will be containerized on site in D.O.T. approved 55-gallon drums for subsequent profiling and disposal at an approved facility.

# APPENDIX F

## State-Certified Analytical Laboratory Results

**June 5, 2022**

**Soil, Soil Vapor, & Groundwater Analytical Results**

**(Pace Analytical Laboratories)**

# ANALYTICAL REPORT

May 10, 2022



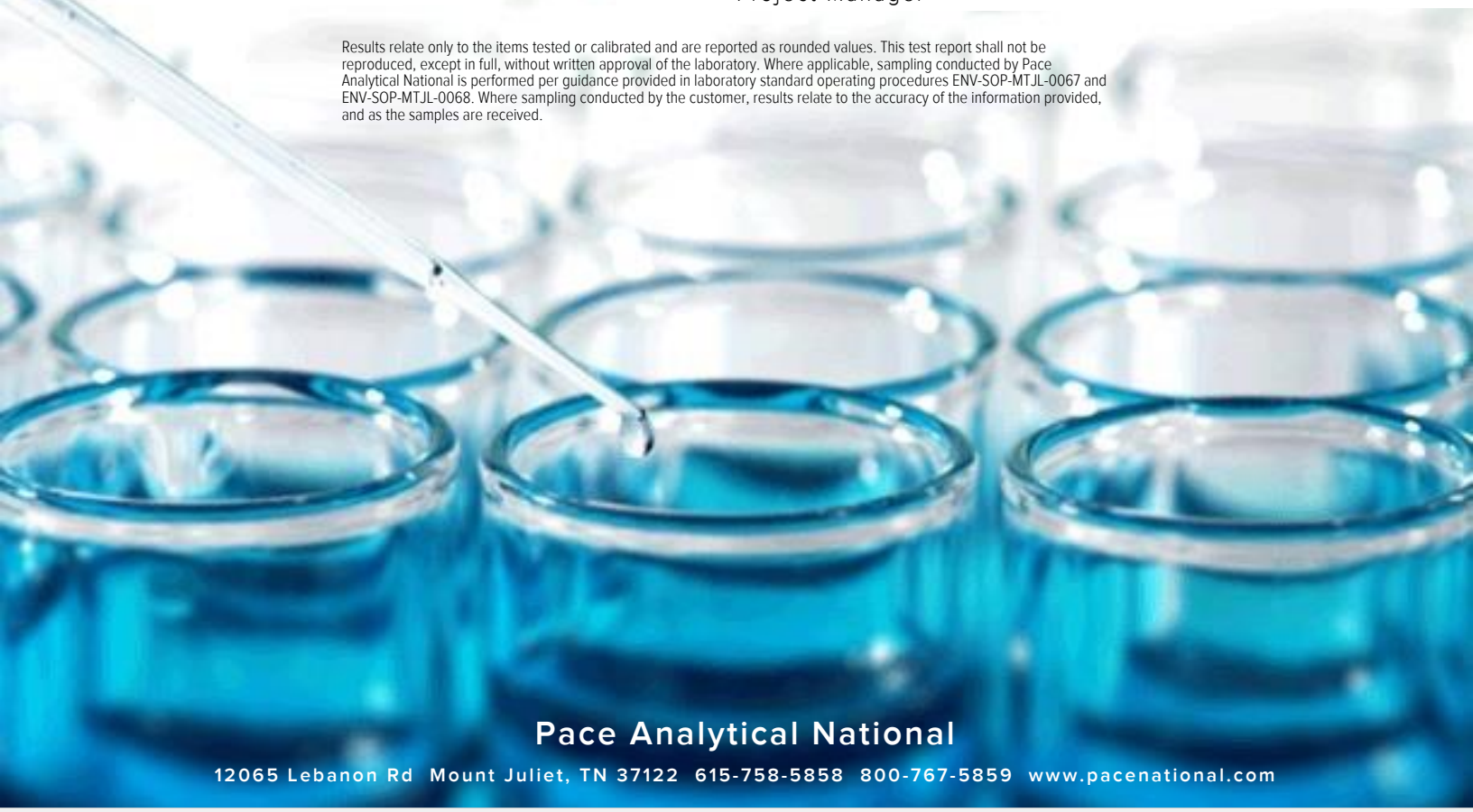
## Weber, Hayes & Associates - CA

| | |
|---|---|
| Sample Delivery Group: | L1491075 |
| Samples Received: | 05/06/2022 |
| Project Number: | 2T158B |
| Description: | Downtown Library ESA |
| Report To: | Heather Bondiek<br>120 Westgate Drive<br>Watsonville, CA 95076 |

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.




Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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## GW-1 L1491075-01 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| | 05/05/22 09:25 | 05/06/22 10:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method 8015 | WG1861262 | 1 | 05/10/22 06:51 | 05/10/22 06:51 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1860977 | 1 | 05/09/22 19:41 | 05/09/22 19:41 | BMB | Mt. Juliet, TN |

## GW-2 L1491075-02 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| | 05/05/22 08:56 | 05/06/22 10:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method 8015 | WG1861262 | 1 | 05/10/22 07:12 | 05/10/22 07:12 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1860977 | 1 | 05/09/22 20:02 | 05/09/22 20:02 | BMB | Mt. Juliet, TN |

## GW-3 L1491075-03 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| | 05/05/22 10:28 | 05/06/22 10:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method 8015 | WG1861262 | 1 | 05/10/22 07:34 | 05/10/22 07:34 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1860977 | 1 | 05/09/22 20:23 | 05/09/22 20:23 | BMB | Mt. Juliet, TN |

## GW-4 L1491075-04 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| | 05/05/22 11:05 | 05/06/22 10:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method 8015 | WG1861262 | 1 | 05/10/22 07:55 | 05/10/22 07:55 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1860977 | 1 | 05/09/22 20:44 | 05/09/22 20:44 | BMB | Mt. Juliet, TN |

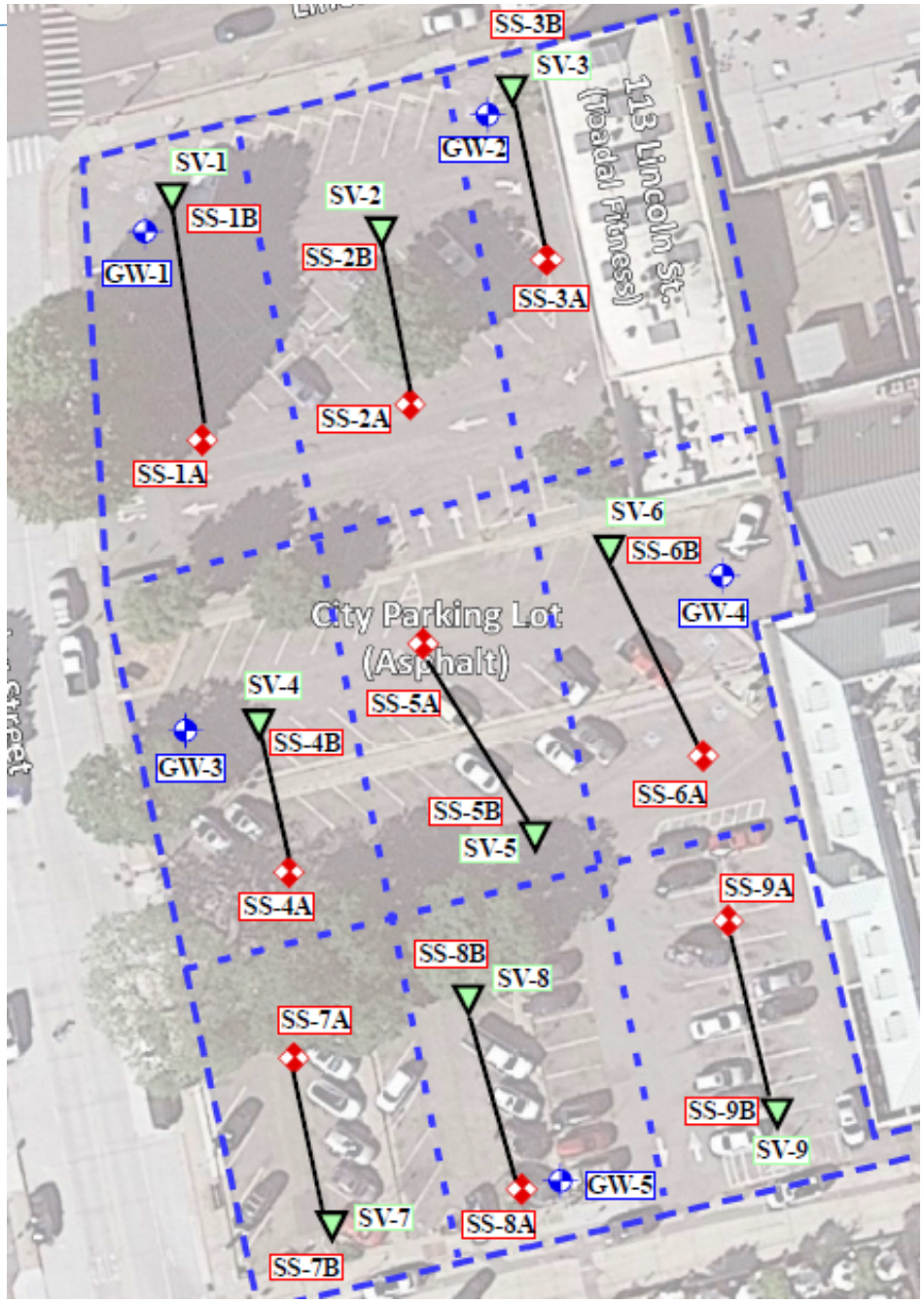
## GW-5 L1491075-05 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| | 05/05/22 12:25 | 05/06/22 10:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method 8015 | WG1861262 | 1 | 05/10/22 08:17 | 05/10/22 08:17 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1860977 | 1 | 05/09/22 21:05 | 05/09/22 21:05 | BMB | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager



## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 50.7 | B J | 30.4 | 100 | 1 | 05/10/2022 06:51 | WG1861262 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *95.5* | | | *78.0-120* | | *05/10/2022 06:51* | WG1861262 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Acetone | U | J3 | 11.3 | 50.0 | 1 | 05/09/2022 19:41 | WG1860977 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 05/09/2022 19:41 | WG1860977 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 05/09/2022 19:41 | WG1860977 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Bromobenzene | U | | 0.118 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Bromomethane | U | | 0.605 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| n-Butylbenzene | U | J3 | 0.157 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Chloroethane | U | | 0.192 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 05/09/2022 19:41 | WG1860977 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Hexachloro-1,3-butadiene | U | J3 | 0.337 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 05/09/2022 19:41 | WG1860977 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 05/09/2022 19:41 | WG1860977 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Naphthalene | U | J3 | 1.00 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Styrene | U | | 0.118 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Toluene | U | | 0.278 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2,3-Trichlorobenzene | U | J3 | 0.230 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2,4-Trichlorobenzene | U | J3 | 0.481 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Vinyl chloride | U | | 0.234 | 1.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 05/09/2022 19:41 | WG1860977 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *05/09/2022 19:41* | WG1860977 |
| *(S) 4-Bromofluorobenzene* | *104* | | | *77.0-126* | | *05/09/2022 19:41* | WG1860977 |
| *(S) 1,2-Dichloroethane-d4* | *92.8* | | | *70.0-130* | | *05/09/2022 19:41* | WG1860977 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 52.3 | B J | 30.4 | 100 | 1 | 05/10/2022 07:12 | WG1861262 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *95.6* | | | *78.0-120* | | *05/10/2022 07:12* | WG1861262 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Acetone | U | J3 | 11.3 | 50.0 | 1 | 05/09/2022 20:02 | WG1860977 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 05/09/2022 20:02 | WG1860977 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 05/09/2022 20:02 | WG1860977 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Bromobenzene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Bromomethane | U | | 0.605 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| n-Butylbenzene | U | J3 | 0.157 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Chloroethane | U | | 0.192 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 05/09/2022 20:02 | WG1860977 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Hexachloro-1,3-butadiene | U | J3 | 0.337 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 05/09/2022 20:02 | WG1860977 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 05/09/2022 20:02 | WG1860977 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Naphthalene | U | J3 | 1.00 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Styrene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Toluene | U | | 0.278 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2,3-Trichlorobenzene | U | J3 | 0.230 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2,4-Trichlorobenzene | U | J3 | 0.481 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Vinyl chloride | U | | 0.234 | 1.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 05/09/2022 20:02 | WG1860977 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *05/09/2022 20:02* | WG1860977 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *05/09/2022 20:02* | WG1860977 |
| *(S) 1,2-Dichloroethane-d4* | *94.6* | | | *70.0-130* | | *05/09/2022 20:02* | WG1860977 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 59.6 | B J | 30.4 | 100 | 1 | 05/10/2022 07:34 | WG1861262 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *95.8* | | | *78.0-120* | | *05/10/2022 07:34* | WG1861262 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Acetone | U | J3 | 11.3 | 50.0 | 1 | 05/09/2022 20:23 | WG1860977 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 05/09/2022 20:23 | WG1860977 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 05/09/2022 20:23 | WG1860977 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Bromobenzene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Bromomethane | U | | 0.605 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| n-Butylbenzene | U | J3 | 0.157 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Chloroethane | U | | 0.192 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 05/09/2022 20:23 | WG1860977 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| cis-1,2-Dichloroethene | 0.176 | J | 0.126 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Hexachloro-1,3-butadiene | U | J3 | 0.337 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 05/09/2022 20:23 | WG1860977 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 05/09/2022 20:23 | WG1860977 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Naphthalene | U | J3 | 1.00 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Styrene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Toluene | U | | 0.278 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2,3-Trichlorobenzene | U | J3 | 0.230 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2,4-Trichlorobenzene | U | J3 | 0.481 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Vinyl chloride | U | | 0.234 | 1.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 05/09/2022 20:23 | WG1860977 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *05/09/2022 20:23* | WG1860977 |
| *(S) 4-Bromofluorobenzene* | *104* | | | *77.0-126* | | *05/09/2022 20:23* | WG1860977 |
| *(S) 1,2-Dichloroethane-d4* | *92.7* | | | *70.0-130* | | *05/09/2022 20:23* | WG1860977 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 59.4 | B J | 30.4 | 100 | 1 | 05/10/2022 07:55 | WG1861262 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *96.1* | | | *78.0-120* | | *05/10/2022 07:55* | WG1861262 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Acetone | U | J3 | 11.3 | 50.0 | 1 | 05/09/2022 20:44 | WG1860977 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 05/09/2022 20:44 | WG1860977 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 05/09/2022 20:44 | WG1860977 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Bromobenzene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Bromomethane | U | | 0.605 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| n-Butylbenzene | U | J3 | 0.157 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Chloroethane | U | | 0.192 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 05/09/2022 20:44 | WG1860977 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| cis-1,2-Dichloroethene | 0.952 | J | 0.126 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| trans-1,2-Dichloroethene | 0.183 | J | 0.149 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Hexachloro-1,3-butadiene | U | J3 | 0.337 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 05/09/2022 20:44 | WG1860977 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 05/09/2022 20:44 | WG1860977 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Naphthalene | U | J3 | 1.00 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Styrene | U | | 0.118 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Toluene | U | | 0.278 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2,3-Trichlorobenzene | U | J3 | 0.230 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2,4-Trichlorobenzene | U | J3 | 0.481 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Vinyl chloride | U | | 0.234 | 1.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 05/09/2022 20:44 | WG1860977 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *05/09/2022 20:44* | WG1860977 |
| *(S) 4-Bromofluorobenzene* | *106* | | | *77.0-126* | | *05/09/2022 20:44* | WG1860977 |
| *(S) 1,2-Dichloroethane-d4* | *93.1* | | | *70.0-130* | | *05/09/2022 20:44* | WG1860977 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 56.1 | B J | 30.4 | 100 | 1 | 05/10/2022 08:17 | WG1861262 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *95.1* | | | *78.0-120* | | *05/10/2022 08:17* | WG1861262 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Acetone | U | J3 | 11.3 | 50.0 | 1 | 05/09/2022 21:05 | WG1860977 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 05/09/2022 21:05 | WG1860977 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 05/09/2022 21:05 | WG1860977 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Bromobenzene | U | | 0.118 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Bromomethane | U | | 0.605 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| n-Butylbenzene | U | J3 | 0.157 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Chloroethane | U | | 0.192 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 05/09/2022 21:05 | WG1860977 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| cis-1,2-Dichloroethene | 0.320 | J | 0.126 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Hexachloro-1,3-butadiene | U | J3 | 0.337 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 05/09/2022 21:05 | WG1860977 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 05/09/2022 21:05 | WG1860977 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Naphthalene | U | J3 | 1.00 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Styrene | U | | 0.118 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Toluene | U | | 0.278 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2,3-Trichlorobenzene | U | J3 | 0.230 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2,4-Trichlorobenzene | U | J3 | 0.481 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Vinyl chloride | U | | 0.234 | 1.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 05/09/2022 21:05 | WG1860977 |
| *(S) Toluene-d8* | *107* | | | *80.0-120* | | *05/09/2022 21:05* | WG1860977 |
| *(S) 4-Bromofluorobenzene* | *105* | | | *77.0-126* | | *05/09/2022 21:05* | WG1860977 |
| *(S) 1,2-Dichloroethane-d4* | *92.3* | | | *70.0-130* | | *05/09/2022 21:05* | WG1860977 |

# QUALITY CONTROL SUMMARY

L1491075-01,02,03,04,05

## Method Blank (MB)

(MB) R3790038-3 05/10/22 04:48

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| TPHG C5 - C12 | 68.8 | J | 30.4 | 100 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *97.3* | | | *78.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3790038-2 05/10/22 03:47

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5500 | 5350 | 97.3 | 71.0-127 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *102* | *78.0-120* | |

## Method Blank (MB)

(MB) R3789761-4 05/09/22 11:07

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Acetone | U | | 11.3 | 50.0 |
| Acrolein | U | | 2.54 | 50.0 |
| Acrylonitrile | U | | 0.671 | 10.0 |
| Benzene | U | | 0.0941 | 1.00 |
| Bromobenzene | U | | 0.118 | 1.00 |
| Bromodichloromethane | U | | 0.136 | 1.00 |
| Bromoform | U | | 0.129 | 1.00 |
| Bromomethane | U | | 0.605 | 5.00 |
| n-Butylbenzene | U | | 0.157 | 1.00 |
| sec-Butylbenzene | U | | 0.125 | 1.00 |
| tert-Butylbenzene | U | | 0.127 | 1.00 |
| Carbon tetrachloride | U | | 0.128 | 1.00 |
| Chlorobenzene | U | | 0.116 | 1.00 |
| Chlorodibromomethane | U | | 0.140 | 1.00 |
| Chloroethane | U | | 0.192 | 5.00 |
| Chloroform | U | | 0.111 | 5.00 |
| Chloromethane | U | | 0.960 | 2.50 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 |
| Dibromomethane | U | | 0.122 | 1.00 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 |
| Di-isopropyl ether | U | | 0.105 | 1.00 |
| Ethylbenzene | U | | 0.137 | 1.00 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 |

## Method Blank (MB)

(MB) R3789761-4 05/09/22 11:07

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Isopropylbenzene | U | | 0.105 | 1.00 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 |
| Methylene Chloride | U | | 0.430 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 |
| Naphthalene | U | | 1.00 | 5.00 |
| n-Propylbenzene | U | | 0.0993 | 1.00 |
| Styrene | U | | 0.118 | 1.00 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |
| Toluene | U | | 0.278 | 1.00 |
| 1,2,3-Trichlorobenzene | U | | 0.230 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *104* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *89.0* | | | *70.0-130* |

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789761-1 05/09/22 09:44 • (LCSD) R3789761-2 05/09/22 10:05

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 25.0 | 22.2 | 33.5 | 88.8 | 134 | 19.0-160 | | J3 | 40.6 | 27 |
| Acrolein | 25.0 | 25.3 | 24.8 | 101 | 99.2 | 10.0-160 | | | 2.00 | 26 |
| Acrylonitrile | 25.0 | 25.5 | 27.7 | 102 | 111 | 55.0-149 | | | 8.27 | 20 |
| Benzene | 5.00 | 5.06 | 5.26 | 101 | 105 | 70.0-123 | | | 3.88 | 20 |

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789761-1 05/09/22 09:44 • (LCSD) R3789761-2 05/09/22 10:05

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromobenzene | 5.00 | 4.90 | 5.04 | 98.0 | 101 | 73.0-121 | | | 2.82 | 20 |
| Bromodichloromethane | 5.00 | 4.91 | 4.96 | 98.2 | 99.2 | 75.0-120 | | | 1.01 | 20 |
| Bromoform | 5.00 | 5.10 | 4.94 | 102 | 98.8 | 68.0-132 | | | 3.19 | 20 |
| Bromomethane | 5.00 | 4.77 | 4.43 | 95.4 | 88.6 | 10.0-160 | | | 7.39 | 25 |
| n-Butylbenzene | 5.00 | 4.19 | 5.43 | 83.8 | 109 | 73.0-125 | | J3 | 25.8 | 20 |
| sec-Butylbenzene | 5.00 | 4.73 | 5.28 | 94.6 | 106 | 75.0-125 | | | 11.0 | 20 |
| tert-Butylbenzene | 5.00 | 4.86 | 5.08 | 97.2 | 102 | 76.0-124 | | | 4.43 | 20 |
| Carbon tetrachloride | 5.00 | 5.16 | 5.84 | 103 | 117 | 68.0-126 | | | 12.4 | 20 |
| Chlorobenzene | 5.00 | 5.14 | 5.39 | 103 | 108 | 80.0-121 | | | 4.75 | 20 |
| Chlorodibromomethane | 5.00 | 5.05 | 5.12 | 101 | 102 | 77.0-125 | | | 1.38 | 20 |
| Chloroethane | 5.00 | 4.63 | 5.07 | 92.6 | 101 | 47.0-150 | | | 9.07 | 20 |
| Chloroform | 5.00 | 4.95 | 5.17 | 99.0 | 103 | 73.0-120 | | | 4.35 | 20 |
| Chloromethane | 5.00 | 4.35 | 4.88 | 87.0 | 97.6 | 41.0-142 | | | 11.5 | 20 |
| 2-Chlorotoluene | 5.00 | 4.78 | 5.08 | 95.6 | 102 | 76.0-123 | | | 6.09 | 20 |
| 4-Chlorotoluene | 5.00 | 4.73 | 4.87 | 94.6 | 97.4 | 75.0-122 | | | 2.92 | 20 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 4.23 | 4.71 | 84.6 | 94.2 | 58.0-134 | | | 10.7 | 20 |
| 1,2-Dibromoethane | 5.00 | 5.48 | 5.26 | 110 | 105 | 80.0-122 | | | 4.10 | 20 |
| Dibromomethane | 5.00 | 4.95 | 5.09 | 99.0 | 102 | 80.0-120 | | | 2.79 | 20 |
| 1,2-Dichlorobenzene | 5.00 | 4.61 | 5.34 | 92.2 | 107 | 79.0-121 | | | 14.7 | 20 |
| 1,3-Dichlorobenzene | 5.00 | 4.80 | 5.24 | 96.0 | 105 | 79.0-120 | | | 8.76 | 20 |
| 1,4-Dichlorobenzene | 5.00 | 5.00 | 5.15 | 100 | 103 | 79.0-120 | | | 2.96 | 20 |
| Dichlorodifluoromethane | 5.00 | 4.61 | 4.94 | 92.2 | 98.8 | 51.0-149 | | | 6.91 | 20 |
| 1,1-Dichloroethane | 5.00 | 4.99 | 4.97 | 99.8 | 99.4 | 70.0-126 | | | 0.402 | 20 |
| 1,2-Dichloroethane | 5.00 | 4.75 | 5.12 | 95.0 | 102 | 70.0-128 | | | 7.50 | 20 |
| 1,1-Dichloroethene | 5.00 | 5.32 | 5.62 | 106 | 112 | 71.0-124 | | | 5.48 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 5.23 | 5.50 | 105 | 110 | 73.0-120 | | | 5.03 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 5.25 | 5.62 | 105 | 112 | 73.0-120 | | | 6.81 | 20 |
| 1,2-Dichloropropane | 5.00 | 4.96 | 5.23 | 99.2 | 105 | 77.0-125 | | | 5.30 | 20 |
| 1,1-Dichloropropene | 5.00 | 5.15 | 5.37 | 103 | 107 | 74.0-126 | | | 4.18 | 20 |
| 1,3-Dichloropropane | 5.00 | 5.55 | 5.02 | 111 | 100 | 80.0-120 | | | 10.0 | 20 |
| cis-1,3-Dichloropropene | 5.00 | 5.08 | 5.11 | 102 | 102 | 80.0-123 | | | 0.589 | 20 |
| trans-1,3-Dichloropropene | 5.00 | 5.03 | 4.97 | 101 | 99.4 | 78.0-124 | | | 1.20 | 20 |
| 2,2-Dichloropropane | 5.00 | 5.23 | 5.79 | 105 | 116 | 58.0-130 | | | 10.2 | 20 |
| Di-isopropyl ether | 5.00 | 4.77 | 4.87 | 95.4 | 97.4 | 58.0-138 | | | 2.07 | 20 |
| Ethylbenzene | 5.00 | 4.84 | 5.20 | 96.8 | 104 | 79.0-123 | | | 7.17 | 20 |
| Hexachloro-1,3-butadiene | 5.00 | 3.86 | 5.67 | 77.2 | 113 | 54.0-138 | | J3 | 38.0 | 20 |
| Isopropylbenzene | 5.00 | 4.91 | 5.44 | 98.2 | 109 | 76.0-127 | | | 10.2 | 20 |
| p-Isopropyltoluene | 5.00 | 4.64 | 5.40 | 92.8 | 108 | 76.0-125 | | | 15.1 | 20 |
| 2-Butanone (MEK) | 25.0 | 25.0 | 27.4 | 100 | 110 | 44.0-160 | | | 9.16 | 20 |
| Methylene Chloride | 5.00 | 5.20 | 5.14 | 104 | 103 | 67.0-120 | | | 1.16 | 20 |

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3789761-1 05/09/22 09:44 • (LCSD) R3789761-2 05/09/22 10:05

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 25.0 | 25.7 | 26.1 | 103 | 104 | 68.0-142 | | | 1.54 | 20 |
| Methyl tert-butyl ether | 5.00 | 5.02 | 5.20 | 100 | 104 | 68.0-125 | | | 3.52 | 20 |
| Naphthalene | 5.00 | 3.27 | 4.63 | 65.4 | 92.6 | 54.0-135 | | J3 | 34.4 | 20 |
| n-Propylbenzene | 5.00 | 4.65 | 4.99 | 93.0 | 99.8 | 77.0-124 | | | 7.05 | 20 |
| Styrene | 5.00 | 5.23 | 5.53 | 105 | 111 | 73.0-130 | | | 5.58 | 20 |
| 1,1,1,2-Tetrachloroethane | 5.00 | 5.01 | 5.07 | 100 | 101 | 75.0-125 | | | 1.19 | 20 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.14 | 5.27 | 103 | 105 | 65.0-130 | | | 2.50 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | 5.18 | 5.48 | 104 | 110 | 69.0-132 | | | 5.63 | 20 |
| Tetrachloroethene | 5.00 | 5.10 | 5.48 | 102 | 110 | 72.0-132 | | | 7.18 | 20 |
| Toluene | 5.00 | 4.97 | 5.26 | 99.4 | 105 | 79.0-120 | | | 5.67 | 20 |
| 1,2,3-Trichlorobenzene | 5.00 | 3.23 | 4.43 | 64.6 | 88.6 | 50.0-138 | | J3 | 31.3 | 20 |
| 1,2,4-Trichlorobenzene | 5.00 | 3.42 | 4.61 | 68.4 | 92.2 | 57.0-137 | | J3 | 29.6 | 20 |
| 1,1,1-Trichloroethane | 5.00 | 4.92 | 5.20 | 98.4 | 104 | 73.0-124 | | | 5.53 | 20 |
| 1,1,2-Trichloroethane | 5.00 | 5.10 | 5.06 | 102 | 101 | 80.0-120 | | | 0.787 | 20 |
| Trichloroethene | 5.00 | 5.02 | 5.15 | 100 | 103 | 78.0-124 | | | 2.56 | 20 |
| Trichlorofluoromethane | 5.00 | 4.36 | 4.92 | 87.2 | 98.4 | 59.0-147 | | | 12.1 | 20 |
| 1,2,3-Trichloropropane | 5.00 | 4.98 | 4.64 | 99.6 | 92.8 | 73.0-130 | | | 7.07 | 20 |
| 1,2,4-Trimethylbenzene | 5.00 | 4.61 | 5.26 | 92.2 | 105 | 76.0-121 | | | 13.2 | 20 |
| 1,2,3-Trimethylbenzene | 5.00 | 4.69 | 5.30 | 93.8 | 106 | 77.0-120 | | | 12.2 | 20 |
| 1,3,5-Trimethylbenzene | 5.00 | 4.66 | 5.17 | 93.2 | 103 | 76.0-122 | | | 10.4 | 20 |
| Vinyl chloride | 5.00 | 4.44 | 4.54 | 88.8 | 90.8 | 67.0-131 | | | 2.23 | 20 |
| Xylenes, Total | 15.0 | 15.2 | 16.1 | 101 | 107 | 79.0-123 | | | 5.75 | 20 |
| *(S) Toluene-d8* | | | | *106* | *102* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *104* | *103* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *93.9* | *93.5* | *70.0-130* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J3 | The associated batch QC was outside the established quality control range for precision. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

WHA

**Weber, Hayes & Associates**
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

H230

L1491075

| | |
|---|---|
| Site Name & Location: | 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B |
| Sampler Name: | Heather Bondiek - Weber, Hayes & Associates |
| Email report to : | Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com |

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix. (Soil-GW-Air) | Type | Number | Presevative | Volatile Organic Compounds (8260) | TPH-gas (8015) | | | | | | | Notes To Lab |
| GW-1 | GRAB | 10.3' | 5/5/22/9:25 | GW | Glass | 5 | 40mlAmb-HCl | X | X | | | | | | | -01 |
| GW-2 | GRAB | 11.1' | 5/5/22/8:56 | GW | Glass | 5 | 40mlAmb-HCl | X | X | | | | | | | -02 |
| GW3 | GRAB | 9.4' | 5/5/22/10:28 | GW | Glass | 5 | 40mlAmb-HCl | X | X | | | | | | | -03 |
| GW-4 | GRAB | 10.1' | 5/5/22/11:05 | GW | Glass | 5 | 40mlAmb-HCl | X | X | | | | | | | -04 |
| GW-5 | GRAB | 9.1' | 5/5/22/12:25 | GW | Glass | 5 | 40mlAmb-HCl | X | X | | | | | | | -05 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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Sample Receipt Checklist
COC Seal Present/Intact: __Y__N
COC Signed/Accurate: ✓Y__N
Bottles arrive intact: ✓Y__N
Correct bottles used: ✓Y__N
Sufficient volume sent: ✓Y__N
RAD Screen <0.5 mR/hr: ✓Y__N
If Applicable
VOA Zero Headspace: ✓Y__N
Pres.Correct/Check: __Y__N

| | |
|---|---|
| **Released By:** _____ Date & Time: 5/5/22 @ 3:26PM<br>PRINT NAME: Heather Bondiek — SAMPLE CONDITION: AMBIENT / REFRIGERATED | **Received By:** _____ Date & Time: 5/6/22 1000<br>PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** _____ Date & Time:<br>PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | **Received By:** _____ Date & Time: 1,3<br>PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** _____ Date & Time:<br>PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | **Received By:** _____ Date & Time:<br>PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |

# ANALYTICAL REPORT

May 20, 2022



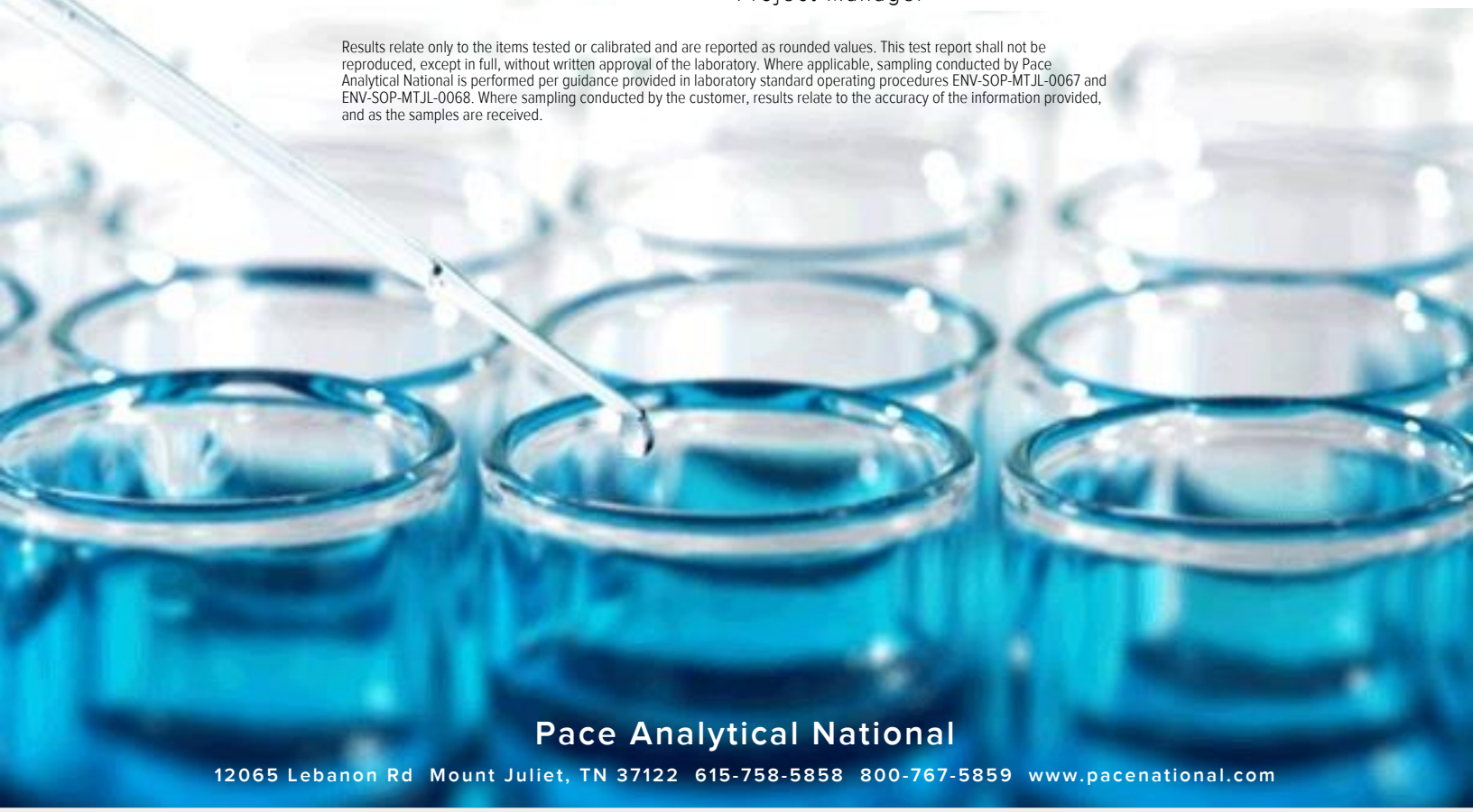
## Weber, Hayes & Associates - CA

| | |
|---|---|
| Sample Delivery Group: | L1491485 |
| Samples Received: | 05/07/2022 |
| Project Number: | 2T158B |
| Description: | Downtown Library ESA |
| Report To: | Heather Bondiek<br>120 Westgate Drive<br>Watsonville, CA 95076 |

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.




Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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## SS-1A-1B@0.5 COMP L1491485-03 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:18 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:27 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863357 | 25 | 05/10/22 20:26 | 05/13/22 10:41 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 50 | 05/13/22 10:33 | 05/14/22 05:58 | JAS | Mt. Juliet, TN |

## SS-1A-1B@1.5 COMP L1491485-06 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:20 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:30 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862033 | 25 | 05/10/22 20:26 | 05/12/22 22:21 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 21:31 | JAS | Mt. Juliet, TN |

## SS-1A-1B@3.0 COMP L1491485-09 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:23 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:33 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862033 | 25 | 05/10/22 20:26 | 05/12/22 22:45 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 20:24 | JAS | Mt. Juliet, TN |

## SS-2A-2B@0.5 COMP L1491485-12 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:25 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 11:46 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:28 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862033 | 25 | 05/10/22 20:26 | 05/12/22 23:09 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 10 | 05/13/22 10:33 | 05/14/22 04:16 | JAS | Mt. Juliet, TN |

## SS-2A-2B@1.5 COMP L1491485-15 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:28 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 11:49 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:30 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863358 | 25 | 05/10/22 20:26 | 05/15/22 00:05 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/14/22 12:28 | JAS | Mt. Juliet, TN |

## SS-2A-2B@3.0 COMP L1491485-18 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:30 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 11:51 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:33 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863358 | 25 | 05/10/22 20:26 | 05/15/22 00:29 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 20:41 | JAS | Mt. Juliet, TN |

## SS-3A-3B@0.5 COMP L1491485-21 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:10 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 11:59 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:36 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863358 | 25 | 05/10/22 20:26 | 05/15/22 00:53 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/14/22 00:03 | JAS | Mt. Juliet, TN |

## SS-3A-3B@1.5 COMP L1491485-24 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:33 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:02 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:44 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863358 | 25 | 05/10/22 20:26 | 05/15/22 01:16 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 20:07 | JAS | Mt. Juliet, TN |

## SS-3A-3B@3.0 COMP L1491485-27 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:40 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:04 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:46 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863358 | 25 | 05/10/22 20:26 | 05/15/22 02:04 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 19:50 | JAS | Mt. Juliet, TN |

## SS-4A-4B@0.5 COMP L1491485-30 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863274 | 1 | 05/13/22 18:26 | 05/13/22 18:42 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:43 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:07 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:49 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 09:54 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/14/22 02:18 | JAS | Mt. Juliet, TN |

## SS-4A-4B@1.5 COMP L1491485-33 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:45 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:09 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:52 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 11:05 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/13/22 21:48 | JAS | Mt. Juliet, TN |

## SS-4A-4B@3.0 COMP L1491485-36 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:48 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:12 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:54 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 11:56 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1862374 | 1 | 05/13/22 10:33 | 05/14/22 12:11 | JAS | Mt. Juliet, TN |

## SS-5A-5B@0.5 COMP L1491485-39 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:50 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:15 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:57 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 12:22 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 07:16 | JAS | Mt. Juliet, TN |

## SS-5A-5B@1.5 COMP L1491485-42 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:53 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 11:33 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 01:17 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 12:51 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 05:19 | JAS | Mt. Juliet, TN |

## SS-5A-5B@3.0 COMP L1491485-45 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:56 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:17 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:00 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/11/22 08:37 | 05/13/22 13:14 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 05:35 | JAS | Mt. Juliet, TN |

## SS-6A-6B@0.5 COMP L1491485-48 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 14:58 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:20 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:03 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 13:46 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 06:26 | JAS | Mt. Juliet, TN |

## SS-6A-6B@1.5 COMP L1491485-51 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 15:01 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:22 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:05 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 14:20 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 05:52 | JAS | Mt. Juliet, TN |

## SS-6A-6B@3.0 COMP L1491485-54 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 15:03 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:30 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:08 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/11/22 08:37 | 05/13/22 14:44 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 05:02 | JAS | Mt. Juliet, TN |

## SS-7A-7B@0.5 COMP L1491485-57 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 15:11 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:33 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:16 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 15:44 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 4 | 05/17/22 14:15 | 05/18/22 07:33 | JAS | Mt. Juliet, TN |

## SS-7A-7B@1.5 COMP L1491485-60 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863276 | 1 | 05/13/22 17:58 | 05/13/22 18:18 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864291 | 1 | 05/16/22 08:55 | 05/17/22 15:13 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:36 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:19 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 16:08 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1864535 | 1 | 05/17/22 14:15 | 05/18/22 06:09 | JAS | Mt. Juliet, TN |

## SS-7A-7B@3.0 COMP L1491485-63 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 07:58 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:38 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:22 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 16:31 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 05:18 | JAS | Mt. Juliet, TN |

## SS-8A-8B@0.5 COMP L1491485-66 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 08:00 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:41 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:24 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 16:55 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 07:17 | JAS | Mt. Juliet, TN |

## SS-8A-8B@1.5 COMP L1491485-69 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 07:48 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/18/22 12:44 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1864831 | 1 | 05/17/22 07:22 | 05/19/22 02:27 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 17:18 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 07:00 | JAS | Mt. Juliet, TN |

## SS-8A-8B@3.0 COMP L1491485-72 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 08:03 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:41 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1862649 | 25 | 05/10/22 20:26 | 05/13/22 17:42 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 06:26 | JAS | Mt. Juliet, TN |

## SS-9A-9B@0.5 COMP L1491485-75 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 08:05 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:44 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863886 | 25 | 05/10/22 20:26 | 05/15/22 03:02 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 20 | 05/19/22 17:48 | 05/20/22 07:50 | JAS | Mt. Juliet, TN |

## SS-9A-9B@1.5 COMP L1491485-78 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 08:13 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:47 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863886 | 25 | 05/10/22 20:26 | 05/15/22 03:52 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 06:09 | JAS | Mt. Juliet, TN |

## SS-9A-9B@3.0 COMP L1491485-81 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1863277 | 1 | 05/13/22 17:33 | 05/13/22 17:55 | CMK | Mt. Juliet, TN |
| Mercury by Method 7471A | WG1864300 | 1 | 05/16/22 08:47 | 05/17/22 08:15 | ABL | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1863434 | 1 | 05/16/22 16:11 | 05/18/22 00:50 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015 | WG1863886 | 25 | 05/10/22 20:26 | 05/15/22 04:15 | CAM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1865851 | 1 | 05/19/22 17:48 | 05/20/22 05:35 | JAS | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 92.1 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.191 | | 0.0196 | 0.0435 | 1 | 05/17/2022 14:18 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | 4.17 | | 0.591 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Arsenic | 203 | | 0.563 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Barium | 289 | | 0.0926 | 0.543 | 1 | 05/18/2022 00:27 | WG1863434 |
| Beryllium | 0.213 | J | 0.0342 | 0.217 | 1 | 05/18/2022 00:27 | WG1863434 |
| Cadmium | 0.510 | J | 0.0512 | 0.543 | 1 | 05/18/2022 00:27 | WG1863434 |
| Chromium | 7.05 | | 0.144 | 1.09 | 1 | 05/18/2022 00:27 | WG1863434 |
| Cobalt | 5.14 | | 0.0881 | 1.09 | 1 | 05/18/2022 00:27 | WG1863434 |
| Copper | 24.8 | | 0.435 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Lead | 77.3 | | 0.226 | 0.543 | 1 | 05/18/2022 00:27 | WG1863434 |
| Molybdenum | 1.10 | | 0.118 | 0.543 | 1 | 05/18/2022 00:27 | WG1863434 |
| Nickel | 12.2 | | 0.143 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Selenium | U | | 0.830 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Silver | U | | 0.138 | 1.09 | 1 | 05/18/2022 00:27 | WG1863434 |
| Thallium | U | | 0.428 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Vanadium | 16.9 | | 0.550 | 2.17 | 1 | 05/18/2022 00:27 | WG1863434 |
| Zinc | 54.2 | | 0.904 | 5.43 | 1 | 05/18/2022 00:27 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 1.75 | B J | 0.973 | 2.93 | 25 | 05/13/2022 10:41 | WG1863357 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *103* | | | *77.0-120* | | *05/13/2022 10:41* | WG1863357 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 76.5 | J | 39.9 | 217 | 50 | 05/14/2022 05:58 | WG1862374 |
| C22-C32 Hydrocarbons | 1080 | | 72.2 | 217 | 50 | 05/14/2022 05:58 | WG1862374 |
| C32-C40 Hydrocarbons | 365 | | 72.2 | 217 | 50 | 05/14/2022 05:58 | WG1862374 |
| *(S) o-Terphenyl* | *83.5* | J7 | | *18.0-148* | | *05/14/2022 05:58* | WG1862374 |

**Sample Narrative:**

L1491485-03 WG1862374: Cannot run at lower dilution due to viscosity of extract

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 85.3 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.197 | | 0.0211 | 0.0469 | 1 | 05/17/2022 14:20 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.637 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Arsenic | 4.77 | | 0.607 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Barium | 92.2 | | 0.0998 | 0.586 | 1 | 05/18/2022 00:30 | WG1863434 |
| Beryllium | 0.274 | | 0.0369 | 0.234 | 1 | 05/18/2022 00:30 | WG1863434 |
| Cadmium | 0.349 | J | 0.0552 | 0.586 | 1 | 05/18/2022 00:30 | WG1863434 |
| Chromium | 19.2 | | 0.156 | 1.17 | 1 | 05/18/2022 00:30 | WG1863434 |
| Cobalt | 3.92 | | 0.0950 | 1.17 | 1 | 05/18/2022 00:30 | WG1863434 |
| Copper | 22.9 | | 0.469 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Lead | 16.6 | | 0.244 | 0.586 | 1 | 05/18/2022 00:30 | WG1863434 |
| Molybdenum | 0.821 | | 0.128 | 0.586 | 1 | 05/18/2022 00:30 | WG1863434 |
| Nickel | 8.61 | | 0.155 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Selenium | U | | 0.895 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Silver | U | | 0.149 | 1.17 | 1 | 05/18/2022 00:30 | WG1863434 |
| Thallium | U | | 0.462 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Vanadium | 17.1 | | 0.593 | 2.34 | 1 | 05/18/2022 00:30 | WG1863434 |
| Zinc | 50.7 | | 0.975 | 5.86 | 1 | 05/18/2022 00:30 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 9.11 | B | 1.11 | 3.36 | 25 | 05/12/2022 22:21 | WG1862033 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.2* | | | *77.0-120* | | *05/12/2022 22:21* | WG1862033 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 2.57 | J | 0.859 | 4.69 | 1 | 05/13/2022 21:31 | WG1862374 |
| C22-C32 Hydrocarbons | 8.69 | | 1.56 | 4.69 | 1 | 05/13/2022 21:31 | WG1862374 |
| C32-C40 Hydrocarbons | 4.44 | J | 1.56 | 4.69 | 1 | 05/13/2022 21:31 | WG1862374 |
| *(S) o-Terphenyl* | *62.3* | | | *18.0-148* | | *05/13/2022 21:31* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.3 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0381 | J | 0.0206 | 0.0458 | 1 | 05/17/2022 14:23 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.623 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Arsenic | 6.54 | | 0.593 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Barium | 69.3 | | 0.0976 | 0.573 | 1 | 05/18/2022 00:33 | WG1863434 |
| Beryllium | 0.200 | J | 0.0361 | 0.229 | 1 | 05/18/2022 00:33 | WG1863434 |
| Cadmium | 0.580 | | 0.0540 | 0.573 | 1 | 05/18/2022 00:33 | WG1863434 |
| Chromium | 8.16 | | 0.152 | 1.15 | 1 | 05/18/2022 00:33 | WG1863434 |
| Cobalt | 4.15 | | 0.0929 | 1.15 | 1 | 05/18/2022 00:33 | WG1863434 |
| Copper | 10.1 | | 0.458 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Lead | 6.39 | | 0.238 | 0.573 | 1 | 05/18/2022 00:33 | WG1863434 |
| Molybdenum | 0.877 | | 0.125 | 0.573 | 1 | 05/18/2022 00:33 | WG1863434 |
| Nickel | 11.4 | | 0.151 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Selenium | U | | 0.875 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Silver | U | | 0.146 | 1.15 | 1 | 05/18/2022 00:33 | WG1863434 |
| Thallium | U | | 0.451 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Vanadium | 17.7 | | 0.580 | 2.29 | 1 | 05/18/2022 00:33 | WG1863434 |
| Zinc | 44.5 | | 0.953 | 5.73 | 1 | 05/18/2022 00:33 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.08 | B | 1.07 | 3.23 | 25 | 05/12/2022 22:45 | WG1862033 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.1* | | | *77.0-120* | | *05/12/2022 22:45* | WG1862033 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 8.97 | | 0.840 | 4.58 | 1 | 05/13/2022 20:24 | WG1862374 |
| C22-C32 Hydrocarbons | 26.5 | | 1.52 | 4.58 | 1 | 05/13/2022 20:24 | WG1862374 |
| C32-C40 Hydrocarbons | 1.99 | J | 1.52 | 4.58 | 1 | 05/13/2022 20:24 | WG1862374 |
| *(S) o-Terphenyl* | *74.9* | | | *18.0-148* | | *05/13/2022 20:24* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 93.3 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.181 | | 0.0193 | 0.0429 | 1 | 05/17/2022 14:25 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | 10.6 | | 0.583 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Arsenic | 282 | | 0.555 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Barium | 3020 | | 0.0913 | 0.536 | 1 | 05/19/2022 01:28 | WG1864831 |
| Beryllium | 0.394 | | 0.0338 | 0.214 | 1 | 05/18/2022 11:46 | WG1864831 |
| Cadmium | 0.808 | | 0.0505 | 0.536 | 1 | 05/18/2022 11:46 | WG1864831 |
| Chromium | 35.1 | | 0.143 | 1.07 | 1 | 05/18/2022 11:46 | WG1864831 |
| Cobalt | 7.53 | | 0.0869 | 1.07 | 1 | 05/18/2022 11:46 | WG1864831 |
| Copper | 30.8 | | 0.429 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Lead | 117 | | 0.223 | 0.536 | 1 | 05/18/2022 11:46 | WG1864831 |
| Molybdenum | 3.75 | | 0.117 | 0.536 | 1 | 05/18/2022 11:46 | WG1864831 |
| Nickel | 22.8 | | 0.141 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Selenium | U | | 0.819 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Silver | 0.834 | J | 0.136 | 1.07 | 1 | 05/18/2022 11:46 | WG1864831 |
| Thallium | U | | 0.422 | 2.14 | 1 | 05/19/2022 01:28 | WG1864831 |
| Vanadium | 55.4 | | 0.542 | 2.14 | 1 | 05/18/2022 11:46 | WG1864831 |
| Zinc | 128 | | 0.892 | 5.36 | 1 | 05/18/2022 11:46 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.45 | B J | 0.949 | 2.86 | 25 | 05/12/2022 23:09 | WG1862033 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.6* | | | *77.0-120* | | *05/12/2022 23:09* | WG1862033 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 28.7 | J | 7.85 | 42.9 | 10 | 05/14/2022 04:16 | WG1862374 |
| C22-C32 Hydrocarbons | 357 | | 14.3 | 42.9 | 10 | 05/14/2022 04:16 | WG1862374 |
| C32-C40 Hydrocarbons | 167 | | 14.3 | 42.9 | 10 | 05/14/2022 04:16 | WG1862374 |
| *(S) o-Terphenyl* | *90.8* | | | *18.0-148* | | *05/14/2022 04:16* | WG1862374 |

**Sample Narrative:**

L1491485-12 WG1862374: Dilution due to matrix impact during extract concentration procedure

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.1 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.310 | | 0.0202 | 0.0449 | 1 | 05/17/2022 14:28 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.611 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Arsenic | 6.15 | | 0.582 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Barium | 159 | | 0.0957 | 0.561 | 1 | 05/18/2022 11:49 | WG1864831 |
| Beryllium | 0.429 | | 0.0354 | 0.225 | 1 | 05/18/2022 11:49 | WG1864831 |
| Cadmium | 0.396 | J | 0.0529 | 0.561 | 1 | 05/18/2022 11:49 | WG1864831 |
| Chromium | 16.5 | | 0.149 | 1.12 | 1 | 05/18/2022 11:49 | WG1864831 |
| Cobalt | 3.75 | | 0.0911 | 1.12 | 1 | 05/18/2022 11:49 | WG1864831 |
| Copper | 14.1 | | 0.449 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Lead | 80.3 | | 0.234 | 0.561 | 1 | 05/18/2022 11:49 | WG1864831 |
| Molybdenum | 0.697 | | 0.122 | 0.561 | 1 | 05/18/2022 11:49 | WG1864831 |
| Nickel | 10.1 | | 0.148 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Selenium | U | | 0.858 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Silver | U | | 0.143 | 1.12 | 1 | 05/18/2022 11:49 | WG1864831 |
| Thallium | U | | 0.442 | 2.25 | 1 | 05/19/2022 01:30 | WG1864831 |
| Vanadium | 27.2 | | 0.568 | 2.25 | 1 | 05/18/2022 11:49 | WG1864831 |
| Zinc | 75.5 | | 0.934 | 5.61 | 1 | 05/18/2022 11:49 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 1.61 | B J | 1.03 | 3.11 | 25 | 05/15/2022 00:05 | WG1863358 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.3* | | | *77.0-120* | | *05/15/2022 00:05* | WG1863358 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 3.72 | J | 0.823 | 4.49 | 1 | 05/14/2022 12:28 | WG1862374 |
| C22-C32 Hydrocarbons | 21.8 | | 1.49 | 4.49 | 1 | 05/14/2022 12:28 | WG1862374 |
| C32-C40 Hydrocarbons | 10.0 | | 1.49 | 4.49 | 1 | 05/14/2022 12:28 | WG1862374 |
| *(S) o-Terphenyl* | *76.3* | | | *18.0-148* | | *05/14/2022 12:28* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.0 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.259 | | 0.0204 | 0.0454 | 1 | 05/17/2022 14:30 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.618 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Arsenic | 3.46 | | 0.588 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Barium | 131 | | 0.0968 | 0.568 | 1 | 05/18/2022 11:51 | WG1864831 |
| Beryllium | 0.451 | | 0.0358 | 0.227 | 1 | 05/18/2022 11:51 | WG1864831 |
| Cadmium | 0.435 | J | 0.0535 | 0.568 | 1 | 05/18/2022 11:51 | WG1864831 |
| Chromium | 16.2 | | 0.151 | 1.14 | 1 | 05/18/2022 11:51 | WG1864831 |
| Cobalt | 3.77 | | 0.0921 | 1.14 | 1 | 05/18/2022 11:51 | WG1864831 |
| Copper | 11.4 | | 0.454 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Lead | 58.2 | | 0.236 | 0.568 | 1 | 05/18/2022 11:51 | WG1864831 |
| Molybdenum | 0.787 | | 0.124 | 0.568 | 1 | 05/18/2022 11:51 | WG1864831 |
| Nickel | 11.0 | | 0.150 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Selenium | 0.975 | J | 0.868 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Silver | U | | 0.144 | 1.14 | 1 | 05/18/2022 11:51 | WG1864831 |
| Thallium | U | | 0.448 | 2.27 | 1 | 05/19/2022 01:33 | WG1864831 |
| Vanadium | 29.0 | | 0.575 | 2.27 | 1 | 05/18/2022 11:51 | WG1864831 |
| Zinc | 56.4 | | 0.945 | 5.68 | 1 | 05/18/2022 11:51 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 1.45 | B J | 1.06 | 3.18 | 25 | 05/15/2022 00:29 | WG1863358 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.3* | | | *77.0-120* | | *05/15/2022 00:29* | WG1863358 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 0.982 | J | 0.833 | 4.54 | 1 | 05/13/2022 20:41 | WG1862374 |
| C22-C32 Hydrocarbons | 3.95 | J | 1.51 | 4.54 | 1 | 05/13/2022 20:41 | WG1862374 |
| C32-C40 Hydrocarbons | U | | 1.51 | 4.54 | 1 | 05/13/2022 20:41 | WG1862374 |
| *(S) o-Terphenyl* | *77.1* | | | *18.0-148* | | *05/13/2022 20:41* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.7 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.370 | | 0.0201 | 0.0446 | 1 | 05/17/2022 14:10 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.606 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Arsenic | 2.89 | | 0.577 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Barium | 199 | | 0.0950 | 0.557 | 1 | 05/18/2022 11:59 | WG1864831 |
| Beryllium | 0.450 | | 0.0351 | 0.223 | 1 | 05/18/2022 11:59 | WG1864831 |
| Cadmium | 0.513 | J | 0.0525 | 0.557 | 1 | 05/18/2022 11:59 | WG1864831 |
| Chromium | 17.5 | | 0.148 | 1.11 | 1 | 05/18/2022 11:59 | WG1864831 |
| Cobalt | 3.79 | | 0.0904 | 1.11 | 1 | 05/18/2022 11:59 | WG1864831 |
| Copper | 18.4 | | 0.446 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Lead | 568 | | 0.232 | 0.557 | 1 | 05/18/2022 11:59 | WG1864831 |
| Molybdenum | 0.875 | | 0.121 | 0.557 | 1 | 05/18/2022 11:59 | WG1864831 |
| Nickel | 10.4 | | 0.147 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Selenium | U | | 0.851 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Silver | U | | 0.142 | 1.11 | 1 | 05/18/2022 11:59 | WG1864831 |
| Thallium | U | | 0.439 | 2.23 | 1 | 05/19/2022 01:36 | WG1864831 |
| Vanadium | 29.1 | | 0.564 | 2.23 | 1 | 05/18/2022 11:59 | WG1864831 |
| Zinc | 181 | | 0.927 | 5.57 | 1 | 05/18/2022 11:59 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 1.16 | B J | 1.02 | 3.07 | 25 | 05/15/2022 00:53 | WG1863358 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.3* | | | *77.0-120* | | *05/15/2022 00:53* | WG1863358 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 1.63 | J | 0.817 | 4.46 | 1 | 05/14/2022 00:03 | WG1862374 |
| C22-C32 Hydrocarbons | 14.2 | | 1.48 | 4.46 | 1 | 05/14/2022 00:03 | WG1862374 |
| C32-C40 Hydrocarbons | 7.04 | | 1.48 | 4.46 | 1 | 05/14/2022 00:03 | WG1862374 |
| *(S) o-Terphenyl* | *82.7* | | | *18.0-148* | | *05/14/2022 00:03* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.5 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.569 | | 0.0206 | 0.0457 | 1 | 05/17/2022 14:33 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.622 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Arsenic | 1.85 | J | 0.592 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Barium | 106 | | 0.0974 | 0.572 | 1 | 05/18/2022 12:02 | WG1864831 |
| Beryllium | 0.491 | | 0.0360 | 0.229 | 1 | 05/18/2022 12:02 | WG1864831 |
| Cadmium | 0.405 | J | 0.0538 | 0.572 | 1 | 05/18/2022 12:02 | WG1864831 |
| Chromium | 17.9 | | 0.152 | 1.14 | 1 | 05/18/2022 12:02 | WG1864831 |
| Cobalt | 3.92 | | 0.0927 | 1.14 | 1 | 05/18/2022 12:02 | WG1864831 |
| Copper | 11.3 | | 0.457 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Lead | 96.1 | | 0.238 | 0.572 | 1 | 05/18/2022 12:02 | WG1864831 |
| Molybdenum | 0.757 | | 0.125 | 0.572 | 1 | 05/18/2022 12:02 | WG1864831 |
| Nickel | 10.8 | | 0.151 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Selenium | U | | 0.873 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Silver | U | | 0.145 | 1.14 | 1 | 05/18/2022 12:02 | WG1864831 |
| Thallium | U | | 0.450 | 2.29 | 1 | 05/19/2022 01:44 | WG1864831 |
| Vanadium | 30.6 | | 0.578 | 2.29 | 1 | 05/18/2022 12:02 | WG1864831 |
| Zinc | 60.0 | | 0.951 | 5.72 | 1 | 05/18/2022 12:02 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 1.26 | B J | 1.07 | 3.22 | 25 | 05/15/2022 01:16 | WG1863358 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.9* | | | *77.0-120* | | *05/15/2022 01:16* | WG1863358 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 1.63 | J | 0.838 | 4.57 | 1 | 05/13/2022 20:07 | WG1862374 |
| C22-C32 Hydrocarbons | 9.09 | | 1.52 | 4.57 | 1 | 05/13/2022 20:07 | WG1862374 |
| C32-C40 Hydrocarbons | 3.90 | J | 1.52 | 4.57 | 1 | 05/13/2022 20:07 | WG1862374 |
| *(S) o-Terphenyl* | *75.5* | | | *18.0-148* | | *05/13/2022 20:07* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 86.1 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | U | | 0.0209 | 0.0464 | 1 | 05/17/2022 14:40 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.632 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Arsenic | 2.60 | | 0.601 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Barium | 103 | | 0.0989 | 0.581 | 1 | 05/18/2022 12:04 | WG1864831 |
| Beryllium | 0.570 | | 0.0366 | 0.232 | 1 | 05/18/2022 12:04 | WG1864831 |
| Cadmium | 0.423 | J | 0.0547 | 0.581 | 1 | 05/18/2022 12:04 | WG1864831 |
| Chromium | 20.0 | | 0.154 | 1.16 | 1 | 05/18/2022 12:04 | WG1864831 |
| Cobalt | 4.39 | | 0.0942 | 1.16 | 1 | 05/18/2022 12:04 | WG1864831 |
| Copper | 11.3 | | 0.464 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Lead | 16.4 | | 0.242 | 0.581 | 1 | 05/18/2022 12:04 | WG1864831 |
| Molybdenum | 0.984 | | 0.127 | 0.581 | 1 | 05/18/2022 12:04 | WG1864831 |
| Nickel | 12.4 | | 0.153 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Selenium | 0.950 | J | 0.887 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Silver | U | | 0.147 | 1.16 | 1 | 05/18/2022 12:04 | WG1864831 |
| Thallium | U | | 0.457 | 2.32 | 1 | 05/19/2022 01:46 | WG1864831 |
| Vanadium | 35.1 | | 0.588 | 2.32 | 1 | 05/18/2022 12:04 | WG1864831 |
| Zinc | 55.6 | | 0.966 | 5.81 | 1 | 05/18/2022 12:04 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.52 | B | 1.10 | 3.31 | 25 | 05/15/2022 02:04 | WG1863358 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/15/2022 02:04* | WG1863358 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.851 | 4.64 | 1 | 05/13/2022 19:50 | WG1862374 |
| C22-C32 Hydrocarbons | 1.82 | J | 1.54 | 4.64 | 1 | 05/13/2022 19:50 | WG1862374 |
| C32-C40 Hydrocarbons | U | | 1.54 | 4.64 | 1 | 05/13/2022 19:50 | WG1862374 |
| *(S) o-Terphenyl* | *72.7* | | | *18.0-148* | | *05/13/2022 19:50* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 93.0 | | 1 | 05/13/2022 18:42 | WG1863274 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0632 | | 0.0194 | 0.0430 | 1 | 05/17/2022 14:43 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.585 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Arsenic | 206 | | 0.557 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Barium | 6.17 | | 0.0916 | 0.538 | 1 | 05/18/2022 12:07 | WG1864831 |
| Beryllium | 0.515 | | 0.0339 | 0.215 | 1 | 05/18/2022 12:07 | WG1864831 |
| Cadmium | U | | 0.0507 | 0.538 | 1 | 05/18/2022 12:07 | WG1864831 |
| Chromium | 3.78 | | 0.143 | 1.08 | 1 | 05/18/2022 12:07 | WG1864831 |
| Cobalt | 1.37 | | 0.0872 | 1.08 | 1 | 05/18/2022 12:07 | WG1864831 |
| Copper | 2.25 | | 0.430 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Lead | 5.19 | | 0.224 | 0.538 | 1 | 05/18/2022 12:07 | WG1864831 |
| Molybdenum | 1.13 | | 0.117 | 0.538 | 1 | 05/18/2022 12:07 | WG1864831 |
| Nickel | 0.770 | J | 0.142 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Selenium | U | | 0.822 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Silver | U | | 0.137 | 1.08 | 1 | 05/18/2022 12:07 | WG1864831 |
| Thallium | U | | 0.424 | 2.15 | 1 | 05/19/2022 01:49 | WG1864831 |
| Vanadium | 6.90 | | 0.544 | 2.15 | 1 | 05/18/2022 12:07 | WG1864831 |
| Zinc | 27.0 | | 0.895 | 5.38 | 1 | 05/18/2022 12:07 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.13 | B | 0.955 | 2.88 | 25 | 05/13/2022 09:54 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.3* | | | *77.0-120* | | *05/13/2022 09:54* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 2.34 | J | 0.788 | 4.30 | 1 | 05/14/2022 02:18 | WG1862374 |
| C22-C32 Hydrocarbons | 25.9 | | 1.43 | 4.30 | 1 | 05/14/2022 02:18 | WG1862374 |
| C32-C40 Hydrocarbons | 14.8 | | 1.43 | 4.30 | 1 | 05/14/2022 02:18 | WG1862374 |
| *(S) o-Terphenyl* | *85.5* | | | *18.0-148* | | *05/14/2022 02:18* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 80.0 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.166 | | 0.0225 | 0.0500 | 1 | 05/17/2022 14:45 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.680 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Arsenic | 14.7 | | 0.647 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Barium | 181 | | 0.106 | 0.625 | 1 | 05/18/2022 12:09 | WG1864831 |
| Beryllium | 0.478 | | 0.0394 | 0.250 | 1 | 05/18/2022 12:09 | WG1864831 |
| Cadmium | 0.732 | | 0.0589 | 0.625 | 1 | 05/18/2022 12:09 | WG1864831 |
| Chromium | 17.7 | | 0.166 | 1.25 | 1 | 05/18/2022 12:09 | WG1864831 |
| Cobalt | 4.18 | | 0.101 | 1.25 | 1 | 05/18/2022 12:09 | WG1864831 |
| Copper | 17.6 | | 0.500 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Lead | 216 | | 0.260 | 0.625 | 1 | 05/18/2022 12:09 | WG1864831 |
| Molybdenum | 0.670 | | 0.136 | 0.625 | 1 | 05/18/2022 12:09 | WG1864831 |
| Nickel | 11.2 | | 0.165 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Selenium | U | | 0.955 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Silver | U | | 0.159 | 1.25 | 1 | 05/18/2022 12:09 | WG1864831 |
| Thallium | U | | 0.492 | 2.50 | 1 | 05/19/2022 01:52 | WG1864831 |
| Vanadium | 29.0 | | 0.632 | 2.50 | 1 | 05/18/2022 12:09 | WG1864831 |
| Zinc | 211 | | 1.04 | 6.25 | 1 | 05/18/2022 12:09 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.69 | B | 1.24 | 3.75 | 25 | 05/13/2022 11:05 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/13/2022 11:05* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.916 | 5.00 | 1 | 05/13/2022 21:48 | WG1862374 |
| C22-C32 Hydrocarbons | 3.69 | J | 1.66 | 5.00 | 1 | 05/13/2022 21:48 | WG1862374 |
| C32-C40 Hydrocarbons | 2.82 | J | 1.66 | 5.00 | 1 | 05/13/2022 21:48 | WG1862374 |
| *(S) o-Terphenyl* | *72.4* | | | *18.0-148* | | *05/13/2022 21:48* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 80.8 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0451 | J | 0.0223 | 0.0495 | 1 | 05/17/2022 14:48 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.674 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Arsenic | 3.46 | | 0.641 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Barium | 129 | | 0.105 | 0.619 | 1 | 05/18/2022 12:12 | WG1864831 |
| Beryllium | 0.673 | | 0.0390 | 0.248 | 1 | 05/18/2022 12:12 | WG1864831 |
| Cadmium | 0.644 | | 0.0583 | 0.619 | 1 | 05/18/2022 12:12 | WG1864831 |
| Chromium | 24.5 | | 0.165 | 1.24 | 1 | 05/18/2022 12:12 | WG1864831 |
| Cobalt | 5.46 | | 0.100 | 1.24 | 1 | 05/18/2022 12:12 | WG1864831 |
| Copper | 14.6 | | 0.495 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Lead | 19.9 | | 0.258 | 0.619 | 1 | 05/18/2022 12:12 | WG1864831 |
| Molybdenum | 1.32 | | 0.135 | 0.619 | 1 | 05/18/2022 12:12 | WG1864831 |
| Nickel | 17.5 | | 0.163 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Selenium | U | | 0.946 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Silver | U | | 0.157 | 1.24 | 1 | 05/18/2022 12:12 | WG1864831 |
| Thallium | U | | 0.488 | 2.48 | 1 | 05/19/2022 01:54 | WG1864831 |
| Vanadium | 41.1 | | 0.627 | 2.48 | 1 | 05/18/2022 12:12 | WG1864831 |
| Zinc | 70.8 | | 1.03 | 6.19 | 1 | 05/18/2022 12:12 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.91 | B J | 1.23 | 3.69 | 25 | 05/13/2022 11:56 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.8* | | | *77.0-120* | | *05/13/2022 11:56* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 2.20 | J | 0.908 | 4.95 | 1 | 05/14/2022 12:11 | WG1862374 |
| C22-C32 Hydrocarbons | 14.4 | | 1.65 | 4.95 | 1 | 05/14/2022 12:11 | WG1862374 |
| C32-C40 Hydrocarbons | 7.66 | | 1.65 | 4.95 | 1 | 05/14/2022 12:11 | WG1862374 |
| *(S) o-Terphenyl* | *80.1* | | | *18.0-148* | | *05/14/2022 12:11* | WG1862374 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 86.1 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0815 | | 0.0209 | 0.0465 | 1 | 05/17/2022 14:50 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.632 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Arsenic | 202 | | 0.602 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Barium | 5.12 | | 0.0990 | 0.581 | 1 | 05/18/2022 12:15 | WG1864831 |
| Beryllium | 0.422 | | 0.0366 | 0.232 | 1 | 05/18/2022 12:15 | WG1864831 |
| Cadmium | U | | 0.0547 | 0.581 | 1 | 05/18/2022 12:15 | WG1864831 |
| Chromium | 3.98 | | 0.155 | 1.16 | 1 | 05/18/2022 12:15 | WG1864831 |
| Cobalt | 0.656 | J | 0.0942 | 1.16 | 1 | 05/18/2022 12:15 | WG1864831 |
| Copper | 2.22 | J | 0.465 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Lead | 3.80 | | 0.242 | 0.581 | 1 | 05/18/2022 12:15 | WG1864831 |
| Molybdenum | 1.02 | | 0.127 | 0.581 | 1 | 05/18/2022 12:15 | WG1864831 |
| Nickel | 1.00 | J | 0.153 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Selenium | U | | 0.888 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Silver | U | | 0.148 | 1.16 | 1 | 05/18/2022 12:15 | WG1864831 |
| Thallium | U | | 0.458 | 2.32 | 1 | 05/19/2022 01:57 | WG1864831 |
| Vanadium | 6.99 | | 0.588 | 2.32 | 1 | 05/18/2022 12:15 | WG1864831 |
| Zinc | 24.3 | | 0.967 | 5.81 | 1 | 05/18/2022 12:15 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.82 | B J | 1.10 | 3.31 | 25 | 05/13/2022 12:22 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.7* | | | *77.0-120* | | *05/13/2022 12:22* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 5.11 | | 0.852 | 4.65 | 1 | 05/18/2022 07:16 | WG1864535 |
| C22-C32 Hydrocarbons | 49.7 | | 1.55 | 4.65 | 1 | 05/18/2022 07:16 | WG1864535 |
| C32-C40 Hydrocarbons | 25.8 | | 1.55 | 4.65 | 1 | 05/18/2022 07:16 | WG1864535 |
| *(S) o-Terphenyl* | *67.0* | | | *18.0-148* | | *05/18/2022 07:16* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 80.5 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.207 | | 0.0224 | 0.0497 | 1 | 05/17/2022 14:53 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.676 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Arsenic | 11.9 | | 0.643 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Barium | 130 | | 0.106 | 0.621 | 1 | 05/18/2022 11:33 | WG1864831 |
| Beryllium | 0.502 | | 0.0391 | 0.248 | 1 | 05/18/2022 11:33 | WG1864831 |
| Cadmium | 0.772 | | 0.0585 | 0.621 | 1 | 05/18/2022 11:33 | WG1864831 |
| Chromium | 17.8 | | 0.165 | 1.24 | 1 | 05/18/2022 11:33 | WG1864831 |
| Cobalt | 5.38 | | 0.101 | 1.24 | 1 | 05/18/2022 11:33 | WG1864831 |
| Copper | 16.8 | | 0.497 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Lead | 175 | | 0.258 | 0.621 | 1 | 05/18/2022 11:33 | WG1864831 |
| Molybdenum | 0.826 | | 0.135 | 0.621 | 1 | 05/18/2022 11:33 | WG1864831 |
| Nickel | 12.9 | | 0.164 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Selenium | U | | 0.949 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Silver | U | | 0.158 | 1.24 | 1 | 05/18/2022 11:33 | WG1864831 |
| Thallium | U | | 0.489 | 2.48 | 1 | 05/19/2022 01:17 | WG1864831 |
| Vanadium | 28.9 | | 0.628 | 2.48 | 1 | 05/18/2022 11:33 | WG1864831 |
| Zinc | 99.7 | | 1.03 | 6.21 | 1 | 05/18/2022 11:33 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.40 | B J | 1.23 | 3.71 | 25 | 05/13/2022 12:51 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.2* | | | *77.0-120* | | *05/13/2022 12:51* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.910 | 4.97 | 1 | 05/18/2022 05:19 | WG1864535 |
| C22-C32 Hydrocarbons | 3.43 | J | 1.65 | 4.97 | 1 | 05/18/2022 05:19 | WG1864535 |
| C32-C40 Hydrocarbons | 2.10 | J | 1.65 | 4.97 | 1 | 05/18/2022 05:19 | WG1864535 |
| *(S) o-Terphenyl* | *69.0* | | | *18.0-148* | | *05/18/2022 05:19* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 81.6 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.162 | | 0.0220 | 0.0490 | 1 | 05/17/2022 14:56 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.666 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Arsenic | 45.8 | | 0.634 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Barium | 171 | | 0.104 | 0.612 | 1 | 05/18/2022 12:17 | WG1864831 |
| Beryllium | 0.461 | | 0.0386 | 0.245 | 1 | 05/18/2022 12:17 | WG1864831 |
| Cadmium | 0.480 | J | 0.0577 | 0.612 | 1 | 05/18/2022 12:17 | WG1864831 |
| Chromium | 14.5 | | 0.163 | 1.22 | 1 | 05/18/2022 12:17 | WG1864831 |
| Cobalt | 3.78 | | 0.0993 | 1.22 | 1 | 05/18/2022 12:17 | WG1864831 |
| Copper | 15.8 | | 0.490 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Lead | 204 | | 0.255 | 0.612 | 1 | 05/18/2022 12:17 | WG1864831 |
| Molybdenum | 0.995 | | 0.134 | 0.612 | 1 | 05/18/2022 12:17 | WG1864831 |
| Nickel | 8.93 | | 0.162 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Selenium | U | | 0.936 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Silver | U | | 0.156 | 1.22 | 1 | 05/18/2022 12:17 | WG1864831 |
| Thallium | U | | 0.483 | 2.45 | 1 | 05/19/2022 02:00 | WG1864831 |
| Vanadium | 27.3 | | 0.620 | 2.45 | 1 | 05/18/2022 12:17 | WG1864831 |
| Zinc | 131 | | 1.02 | 6.12 | 1 | 05/18/2022 12:17 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.83 | B J | 1.20 | 3.63 | 25 | 05/13/2022 13:14 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/13/2022 13:14* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.898 | 4.90 | 1 | 05/18/2022 05:35 | WG1864535 |
| C22-C32 Hydrocarbons | 4.62 | J | 1.63 | 4.90 | 1 | 05/18/2022 05:35 | WG1864535 |
| C32-C40 Hydrocarbons | 3.17 | J | 1.63 | 4.90 | 1 | 05/18/2022 05:35 | WG1864535 |
| *(S) o-Terphenyl* | *66.6* | | | *18.0-148* | | *05/18/2022 05:35* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 91.5 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0838 | | 0.0197 | 0.0437 | 1 | 05/17/2022 14:58 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.595 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Arsenic | 366 | | 0.566 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Barium | 11.0 | | 0.0931 | 0.546 | 1 | 05/18/2022 12:20 | WG1864831 |
| Beryllium | 0.593 | | 0.0344 | 0.219 | 1 | 05/18/2022 12:20 | WG1864831 |
| Cadmium | U | | 0.0515 | 0.546 | 1 | 05/18/2022 12:20 | WG1864831 |
| Chromium | 6.86 | | 0.145 | 1.09 | 1 | 05/18/2022 12:20 | WG1864831 |
| Cobalt | 1.61 | | 0.0886 | 1.09 | 1 | 05/18/2022 12:20 | WG1864831 |
| Copper | 2.80 | | 0.437 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Lead | 5.73 | | 0.227 | 0.546 | 1 | 05/18/2022 12:20 | WG1864831 |
| Molybdenum | 1.36 | | 0.119 | 0.546 | 1 | 05/18/2022 12:20 | WG1864831 |
| Nickel | 1.47 | J | 0.144 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Selenium | 0.963 | J | 0.835 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Silver | U | | 0.139 | 1.09 | 1 | 05/18/2022 12:20 | WG1864831 |
| Thallium | U | | 0.431 | 2.19 | 1 | 05/19/2022 02:03 | WG1864831 |
| Vanadium | 9.22 | | 0.553 | 2.19 | 1 | 05/18/2022 12:20 | WG1864831 |
| Zinc | 36.1 | | 0.909 | 5.46 | 1 | 05/18/2022 12:20 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.32 | B | 0.984 | 2.96 | 25 | 05/13/2022 13:46 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.6* | | | *77.0-120* | | *05/13/2022 13:46* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 3.60 | J | 0.801 | 4.37 | 1 | 05/18/2022 06:26 | WG1864535 |
| C22-C32 Hydrocarbons | 32.7 | | 1.45 | 4.37 | 1 | 05/18/2022 06:26 | WG1864535 |
| C32-C40 Hydrocarbons | 18.5 | | 1.45 | 4.37 | 1 | 05/18/2022 06:26 | WG1864535 |
| *(S) o-Terphenyl* | *64.3* | | | *18.0-148* | | *05/18/2022 06:26* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 83.3 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.224 | | 0.0216 | 0.0480 | 1 | 05/17/2022 15:01 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.653 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Arsenic | 8.99 | | 0.622 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Barium | 182 | | 0.102 | 0.600 | 1 | 05/18/2022 12:22 | WG1864831 |
| Beryllium | 0.495 | | 0.0378 | 0.240 | 1 | 05/18/2022 12:22 | WG1864831 |
| Cadmium | 0.784 | | 0.0566 | 0.600 | 1 | 05/18/2022 12:22 | WG1864831 |
| Chromium | 20.1 | | 0.160 | 1.20 | 1 | 05/18/2022 12:22 | WG1864831 |
| Cobalt | 4.29 | | 0.0974 | 1.20 | 1 | 05/18/2022 12:22 | WG1864831 |
| Copper | 19.6 | | 0.480 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Lead | 226 | | 0.250 | 0.600 | 1 | 05/18/2022 12:22 | WG1864831 |
| Molybdenum | 0.763 | | 0.131 | 0.600 | 1 | 05/18/2022 12:22 | WG1864831 |
| Nickel | 12.1 | | 0.158 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Selenium | U | | 0.917 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Silver | U | | 0.152 | 1.20 | 1 | 05/18/2022 12:22 | WG1864831 |
| Thallium | U | | 0.473 | 2.40 | 1 | 05/19/2022 02:05 | WG1864831 |
| Vanadium | 31.5 | | 0.608 | 2.40 | 1 | 05/18/2022 12:22 | WG1864831 |
| Zinc | 147 | | 0.999 | 6.00 | 1 | 05/18/2022 12:22 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.05 | B J | 1.16 | 3.50 | 25 | 05/13/2022 14:20 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/13/2022 14:20* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 1.75 | J | 0.880 | 4.80 | 1 | 05/18/2022 05:52 | WG1864535 |
| C22-C32 Hydrocarbons | 8.44 | | 1.60 | 4.80 | 1 | 05/18/2022 05:52 | WG1864535 |
| C32-C40 Hydrocarbons | 5.35 | | 1.60 | 4.80 | 1 | 05/18/2022 05:52 | WG1864535 |
| *(S) o-Terphenyl* | *69.4* | | | *18.0-148* | | *05/18/2022 05:52* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 83.9 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0290 | J | 0.0215 | 0.0477 | 1 | 05/17/2022 15:03 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.648 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Arsenic | 1.73 | J | 0.617 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Barium | 90.4 | | 0.102 | 0.596 | 1 | 05/18/2022 12:30 | WG1864831 |
| Beryllium | 0.524 | | 0.0375 | 0.238 | 1 | 05/18/2022 12:30 | WG1864831 |
| Cadmium | 0.526 | J | 0.0561 | 0.596 | 1 | 05/18/2022 12:30 | WG1864831 |
| Chromium | 19.1 | | 0.159 | 1.19 | 1 | 05/18/2022 12:30 | WG1864831 |
| Cobalt | 4.72 | | 0.0967 | 1.19 | 1 | 05/18/2022 12:30 | WG1864831 |
| Copper | 11.8 | | 0.477 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Lead | 13.2 | | 0.248 | 0.596 | 1 | 05/18/2022 12:30 | WG1864831 |
| Molybdenum | 0.864 | | 0.130 | 0.596 | 1 | 05/18/2022 12:30 | WG1864831 |
| Nickel | 12.6 | | 0.157 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Selenium | U | | 0.911 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Silver | U | | 0.151 | 1.19 | 1 | 05/18/2022 12:30 | WG1864831 |
| Thallium | U | | 0.470 | 2.38 | 1 | 05/19/2022 02:08 | WG1864831 |
| Vanadium | 32.8 | | 0.603 | 2.38 | 1 | 05/18/2022 12:30 | WG1864831 |
| Zinc | 54.6 | | 0.992 | 5.96 | 1 | 05/18/2022 12:30 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.45 | B J | 1.15 | 3.46 | 25 | 05/13/2022 14:44 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *05/13/2022 14:44* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 0.924 | J | 0.874 | 4.77 | 1 | 05/18/2022 05:02 | WG1864535 |
| C22-C32 Hydrocarbons | 3.04 | J | 1.59 | 4.77 | 1 | 05/18/2022 05:02 | WG1864535 |
| C32-C40 Hydrocarbons | U | | 1.59 | 4.77 | 1 | 05/18/2022 05:02 | WG1864535 |
| *(S) o-Terphenyl* | *75.5* | | | *18.0-148* | | *05/18/2022 05:02* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.3 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0347 | J | 0.0206 | 0.0458 | 1 | 05/17/2022 15:11 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.623 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Arsenic | U | | 0.593 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Barium | 84.2 | | 0.0976 | 0.573 | 1 | 05/18/2022 12:33 | WG1864831 |
| Beryllium | 0.271 | | 0.0361 | 0.229 | 1 | 05/18/2022 12:33 | WG1864831 |
| Cadmium | 0.0661 | J | 0.0540 | 0.573 | 1 | 05/18/2022 12:33 | WG1864831 |
| Chromium | 15.2 | | 0.152 | 1.15 | 1 | 05/18/2022 12:33 | WG1864831 |
| Cobalt | 4.70 | | 0.0929 | 1.15 | 1 | 05/18/2022 12:33 | WG1864831 |
| Copper | 23.1 | | 0.458 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Lead | 3.38 | | 0.238 | 0.573 | 1 | 05/18/2022 12:33 | WG1864831 |
| Molybdenum | 0.431 | J | 0.125 | 0.573 | 1 | 05/18/2022 12:33 | WG1864831 |
| Nickel | 9.98 | | 0.151 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Selenium | U | | 0.875 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Silver | U | | 0.145 | 1.15 | 1 | 05/18/2022 12:33 | WG1864831 |
| Thallium | U | | 0.451 | 2.29 | 1 | 05/19/2022 02:16 | WG1864831 |
| Vanadium | 45.6 | | 0.580 | 2.29 | 1 | 05/18/2022 12:33 | WG1864831 |
| Zinc | 38.7 | | 0.953 | 5.73 | 1 | 05/18/2022 12:33 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.22 | B | 1.07 | 3.23 | 25 | 05/13/2022 15:44 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.8* | | | *77.0-120* | | *05/13/2022 15:44* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 40.4 | | 3.36 | 18.3 | 4 | 05/18/2022 07:33 | WG1864535 |
| C22-C32 Hydrocarbons | 392 | | 6.09 | 18.3 | 4 | 05/18/2022 07:33 | WG1864535 |
| C32-C40 Hydrocarbons | 213 | | 6.09 | 18.3 | 4 | 05/18/2022 07:33 | WG1864535 |
| *(S) o-Terphenyl* | *65.9* | | | *18.0-148* | | *05/18/2022 07:33* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 93.1 | | 1 | 05/13/2022 18:18 | WG1863276 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | U | | 0.0193 | 0.0430 | 1 | 05/17/2022 15:13 | WG1864291 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.585 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Arsenic | U | | 0.557 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Barium | 95.4 | | 0.0916 | 0.537 | 1 | 05/18/2022 12:36 | WG1864831 |
| Beryllium | 0.618 | | 0.0339 | 0.215 | 1 | 05/18/2022 12:36 | WG1864831 |
| Cadmium | U | | 0.0506 | 0.537 | 1 | 05/18/2022 12:36 | WG1864831 |
| Chromium | 5.67 | | 0.143 | 1.07 | 1 | 05/18/2022 12:36 | WG1864831 |
| Cobalt | 1.87 | | 0.0872 | 1.07 | 1 | 05/18/2022 12:36 | WG1864831 |
| Copper | 5.30 | | 0.430 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Lead | 8.81 | | 0.224 | 0.537 | 1 | 05/18/2022 12:36 | WG1864831 |
| Molybdenum | 0.928 | | 0.117 | 0.537 | 1 | 05/18/2022 12:36 | WG1864831 |
| Nickel | 1.75 | J | 0.142 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Selenium | U | | 0.821 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Silver | U | | 0.136 | 1.07 | 1 | 05/18/2022 12:36 | WG1864831 |
| Thallium | U | | 0.423 | 2.15 | 1 | 05/19/2022 02:19 | WG1864831 |
| Vanadium | 30.0 | | 0.544 | 2.15 | 1 | 05/18/2022 12:36 | WG1864831 |
| Zinc | 65.1 | | 0.894 | 5.37 | 1 | 05/18/2022 12:36 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.30 | B | 0.954 | 2.87 | 25 | 05/13/2022 16:08 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *102* | | | *77.0-120* | | *05/13/2022 16:08* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 2.45 | J | 0.788 | 4.30 | 1 | 05/18/2022 06:09 | WG1864535 |
| C22-C32 Hydrocarbons | 18.5 | | 1.43 | 4.30 | 1 | 05/18/2022 06:09 | WG1864535 |
| C32-C40 Hydrocarbons | 15.2 | | 1.43 | 4.30 | 1 | 05/18/2022 06:09 | WG1864535 |
| *(S) o-Terphenyl* | *73.9* | | | *18.0-148* | | *05/18/2022 06:09* | WG1864535 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 80.3 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0887 | | 0.0224 | 0.0498 | 1 | 05/17/2022 07:58 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.677 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Arsenic | 2.21 | J | 0.645 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Barium | 127 | | 0.106 | 0.622 | 1 | 05/18/2022 12:38 | WG1864831 |
| Beryllium | 0.653 | | 0.0392 | 0.249 | 1 | 05/18/2022 12:38 | WG1864831 |
| Cadmium | 0.566 | J | 0.0586 | 0.622 | 1 | 05/18/2022 12:38 | WG1864831 |
| Chromium | 22.0 | | 0.166 | 1.24 | 1 | 05/18/2022 12:38 | WG1864831 |
| Cobalt | 5.16 | | 0.101 | 1.24 | 1 | 05/18/2022 12:38 | WG1864831 |
| Copper | 14.6 | | 0.498 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Lead | 25.5 | | 0.259 | 0.622 | 1 | 05/18/2022 12:38 | WG1864831 |
| Molybdenum | 1.10 | | 0.136 | 0.622 | 1 | 05/18/2022 12:38 | WG1864831 |
| Nickel | 14.9 | | 0.164 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Selenium | U | | 0.951 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Silver | U | | 0.158 | 1.24 | 1 | 05/18/2022 12:38 | WG1864831 |
| Thallium | U | | 0.490 | 2.49 | 1 | 05/19/2022 02:22 | WG1864831 |
| Vanadium | 39.4 | | 0.630 | 2.49 | 1 | 05/18/2022 12:38 | WG1864831 |
| Zinc | 68.2 | | 1.04 | 6.22 | 1 | 05/18/2022 12:38 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.25 | B | 1.24 | 3.72 | 25 | 05/13/2022 16:31 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *05/13/2022 16:31* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 0.996 | J | 0.912 | 4.98 | 1 | 05/20/2022 05:18 | WG1865851 |
| C22-C32 Hydrocarbons | U | | 1.66 | 4.98 | 1 | 05/20/2022 05:18 | WG1865851 |
| C32-C40 Hydrocarbons | U | | 1.66 | 4.98 | 1 | 05/20/2022 05:18 | WG1865851 |
| *(S) o-Terphenyl* | *54.0* | | | *18.0-148* | | *05/20/2022 05:18* | WG1865851 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 91.1 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | U | | 0.0198 | 0.0439 | 1 | 05/17/2022 08:00 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.597 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Arsenic | U | | 0.569 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Barium | 91.2 | | 0.0935 | 0.549 | 1 | 05/18/2022 12:41 | WG1864831 |
| Beryllium | 0.656 | | 0.0346 | 0.220 | 1 | 05/18/2022 12:41 | WG1864831 |
| Cadmium | U | | 0.0517 | 0.549 | 1 | 05/18/2022 12:41 | WG1864831 |
| Chromium | 5.76 | | 0.146 | 1.10 | 1 | 05/18/2022 12:41 | WG1864831 |
| Cobalt | 3.33 | | 0.0890 | 1.10 | 1 | 05/18/2022 12:41 | WG1864831 |
| Copper | 12.4 | | 0.439 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Lead | 4.06 | | 0.228 | 0.549 | 1 | 05/18/2022 12:41 | WG1864831 |
| Molybdenum | 1.14 | | 0.120 | 0.549 | 1 | 05/18/2022 12:41 | WG1864831 |
| Nickel | 2.08 | J | 0.145 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Selenium | U | | 0.839 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Silver | U | | 0.139 | 1.10 | 1 | 05/18/2022 12:41 | WG1864831 |
| Thallium | U | | 0.432 | 2.20 | 1 | 05/19/2022 02:24 | WG1864831 |
| Vanadium | 35.4 | | 0.555 | 2.20 | 1 | 05/18/2022 12:41 | WG1864831 |
| Zinc | 51.7 | | 0.913 | 5.49 | 1 | 05/18/2022 12:41 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.30 | B | 0.992 | 2.99 | 25 | 05/13/2022 16:55 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/13/2022 16:55* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 3.26 | J | 0.805 | 4.39 | 1 | 05/20/2022 07:17 | WG1865851 |
| C22-C32 Hydrocarbons | 18.8 | | 1.46 | 4.39 | 1 | 05/20/2022 07:17 | WG1865851 |
| C32-C40 Hydrocarbons | 9.18 | | 1.46 | 4.39 | 1 | 05/20/2022 07:17 | WG1865851 |
| *(S) o-Terphenyl* | *84.1* | | | *18.0-148* | | *05/20/2022 07:17* | WG1865851 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.9 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0623 | | 0.0203 | 0.0450 | 1 | 05/17/2022 07:48 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.612 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Arsenic | U | | 0.583 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Barium | 92.1 | | 0.0959 | 0.563 | 1 | 05/18/2022 12:44 | WG1864831 |
| Beryllium | 0.609 | | 0.0354 | 0.225 | 1 | 05/18/2022 12:44 | WG1864831 |
| Cadmium | U | | 0.0530 | 0.563 | 1 | 05/18/2022 12:44 | WG1864831 |
| Chromium | 5.55 | | 0.150 | 1.13 | 1 | 05/18/2022 12:44 | WG1864831 |
| Cobalt | 1.91 | | 0.0912 | 1.13 | 1 | 05/18/2022 12:44 | WG1864831 |
| Copper | 5.63 | | 0.450 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Lead | 21.2 | | 0.234 | 0.563 | 1 | 05/18/2022 12:44 | WG1864831 |
| Molybdenum | 1.04 | | 0.123 | 0.563 | 1 | 05/18/2022 12:44 | WG1864831 |
| Nickel | 2.62 | | 0.149 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Selenium | U | | 0.860 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Silver | U | | 0.143 | 1.13 | 1 | 05/18/2022 12:44 | WG1864831 |
| Thallium | U | | 0.443 | 2.25 | 1 | 05/19/2022 02:27 | WG1864831 |
| Vanadium | 24.9 | | 0.569 | 2.25 | 1 | 05/18/2022 12:44 | WG1864831 |
| Zinc | 59.2 | | 0.936 | 5.63 | 1 | 05/18/2022 12:44 | WG1864831 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.11 | B J | 1.04 | 3.13 | 25 | 05/13/2022 17:18 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/13/2022 17:18* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 1.00 | J | 0.825 | 4.50 | 1 | 05/20/2022 07:00 | WG1865851 |
| C22-C32 Hydrocarbons | 4.30 | J | 1.50 | 4.50 | 1 | 05/20/2022 07:00 | WG1865851 |
| C32-C40 Hydrocarbons | 1.83 | J | 1.50 | 4.50 | 1 | 05/20/2022 07:00 | WG1865851 |
| *(S) o-Terphenyl* | *81.8* | | | *18.0-148* | | *05/20/2022 07:00* | WG1865851 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 82.5 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.107 | | 0.0218 | 0.0485 | 1 | 05/17/2022 08:03 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.659 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Arsenic | 3.15 | | 0.628 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Barium | 102 | | 0.103 | 0.606 | 1 | 05/18/2022 00:41 | WG1863434 |
| Beryllium | 0.346 | | 0.0382 | 0.242 | 1 | 05/18/2022 00:41 | WG1863434 |
| Cadmium | 0.574 | J | 0.0571 | 0.606 | 1 | 05/18/2022 00:41 | WG1863434 |
| Chromium | 10.1 | | 0.161 | 1.21 | 1 | 05/18/2022 00:41 | WG1863434 |
| Cobalt | 4.67 | | 0.0983 | 1.21 | 1 | 05/18/2022 00:41 | WG1863434 |
| Copper | 16.4 | | 0.485 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Lead | 40.8 | | 0.252 | 0.606 | 1 | 05/18/2022 00:41 | WG1863434 |
| Molybdenum | 1.08 | | 0.132 | 0.606 | 1 | 05/18/2022 00:41 | WG1863434 |
| Nickel | 12.1 | | 0.160 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Selenium | U | | 0.926 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Silver | U | | 0.154 | 1.21 | 1 | 05/18/2022 00:41 | WG1863434 |
| Thallium | U | | 0.478 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Vanadium | 21.9 | | 0.613 | 2.42 | 1 | 05/18/2022 00:41 | WG1863434 |
| Zinc | 71.2 | | 1.01 | 6.06 | 1 | 05/18/2022 00:41 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 4.03 | B | 1.18 | 3.56 | 25 | 05/13/2022 17:42 | WG1862649 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *05/13/2022 17:42* | WG1862649 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 1.04 | J | 0.888 | 4.85 | 1 | 05/20/2022 06:26 | WG1865851 |
| C22-C32 Hydrocarbons | 3.45 | J | 1.61 | 4.85 | 1 | 05/20/2022 06:26 | WG1865851 |
| C32-C40 Hydrocarbons | U | | 1.61 | 4.85 | 1 | 05/20/2022 06:26 | WG1865851 |
| *(S) o-Terphenyl* | *60.8* | | | *18.0-148* | | *05/20/2022 06:26* | WG1865851 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 91.7 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0340 | J | 0.0196 | 0.0436 | 1 | 05/17/2022 08:05 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.593 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Arsenic | 27.9 | | 0.565 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Barium | 85.6 | | 0.0929 | 0.545 | 1 | 05/18/2022 00:44 | WG1863434 |
| Beryllium | 0.103 | J | 0.0344 | 0.218 | 1 | 05/18/2022 00:44 | WG1863434 |
| Cadmium | 0.175 | J | 0.0514 | 0.545 | 1 | 05/18/2022 00:44 | WG1863434 |
| Chromium | 7.82 | | 0.145 | 1.09 | 1 | 05/18/2022 00:44 | WG1863434 |
| Cobalt | 3.39 | | 0.0885 | 1.09 | 1 | 05/18/2022 00:44 | WG1863434 |
| Copper | 9.52 | | 0.436 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Lead | 5.56 | | 0.227 | 0.545 | 1 | 05/18/2022 00:44 | WG1863434 |
| Molybdenum | 0.822 | | 0.119 | 0.545 | 1 | 05/18/2022 00:44 | WG1863434 |
| Nickel | 7.03 | | 0.144 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Selenium | U | | 0.833 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Silver | U | | 0.139 | 1.09 | 1 | 05/18/2022 00:44 | WG1863434 |
| Thallium | U | | 0.430 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Vanadium | 27.8 | | 0.552 | 2.18 | 1 | 05/18/2022 00:44 | WG1863434 |
| Zinc | 31.9 | | 0.907 | 5.45 | 1 | 05/18/2022 00:44 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.72 | B J | 0.981 | 2.95 | 25 | 05/15/2022 03:02 | WG1863886 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *05/15/2022 03:02* | WG1863886 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 67.7 | J | 16.0 | 87.3 | 20 | 05/20/2022 07:50 | WG1865851 |
| C22-C32 Hydrocarbons | 741 | | 29.0 | 87.3 | 20 | 05/20/2022 07:50 | WG1865851 |
| C32-C40 Hydrocarbons | 485 | | 29.0 | 87.3 | 20 | 05/20/2022 07:50 | WG1865851 |
| *(S) o-Terphenyl* | *90.2* | J7 | | *18.0-148* | | *05/20/2022 07:50* | WG1865851 |

**Sample Narrative:**

L1491485-75 WG1865851: Cannot run at lower dilution due to viscosity of extract

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.0 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.171 | | 0.0207 | 0.0460 | 1 | 05/17/2022 08:13 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | 1.32 | J | 0.625 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Arsenic | 10.3 | | 0.595 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Barium | 187 | | 0.0979 | 0.575 | 1 | 05/18/2022 00:47 | WG1863434 |
| Beryllium | 0.178 | J | 0.0362 | 0.230 | 1 | 05/18/2022 00:47 | WG1863434 |
| Cadmium | 0.157 | J | 0.0541 | 0.575 | 1 | 05/18/2022 00:47 | WG1863434 |
| Chromium | 17.2 | | 0.153 | 1.15 | 1 | 05/18/2022 00:47 | WG1863434 |
| Cobalt | 10.8 | | 0.0932 | 1.15 | 1 | 05/18/2022 00:47 | WG1863434 |
| Copper | 11.9 | | 0.460 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Lead | 13.0 | | 0.239 | 0.575 | 1 | 05/18/2022 00:47 | WG1863434 |
| Molybdenum | 0.291 | J | 0.125 | 0.575 | 1 | 05/18/2022 00:47 | WG1863434 |
| Nickel | 11.9 | | 0.152 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Selenium | U | | 0.878 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Silver | U | | 0.146 | 1.15 | 1 | 05/18/2022 00:47 | WG1863434 |
| Thallium | U | | 0.453 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Vanadium | 46.0 | | 0.582 | 2.30 | 1 | 05/18/2022 00:47 | WG1863434 |
| Zinc | 29.2 | | 0.956 | 5.75 | 1 | 05/18/2022 00:47 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 3.29 | B | 1.08 | 3.25 | 25 | 05/15/2022 03:52 | WG1863886 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.8* | | | *77.0-120* | | *05/15/2022 03:52* | WG1863886 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 0.884 | J | 0.843 | 4.60 | 1 | 05/20/2022 06:09 | WG1865851 |
| C22-C32 Hydrocarbons | 2.89 | J | 1.53 | 4.60 | 1 | 05/20/2022 06:09 | WG1865851 |
| C32-C40 Hydrocarbons | U | | 1.53 | 4.60 | 1 | 05/20/2022 06:09 | WG1865851 |
| *(S) o-Terphenyl* | *57.3* | | | *18.0-148* | | *05/20/2022 06:09* | WG1865851 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.6 | | 1 | 05/13/2022 17:55 | WG1863277 |

## Mercury by Method 7471A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0485 | | 0.0206 | 0.0457 | 1 | 05/17/2022 08:15 | WG1864300 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Antimony | U | | 0.621 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Arsenic | 2.08 | J | 0.592 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Barium | 96.2 | | 0.0973 | 0.571 | 1 | 05/18/2022 00:50 | WG1863434 |
| Beryllium | 0.270 | | 0.0360 | 0.228 | 1 | 05/18/2022 00:50 | WG1863434 |
| Cadmium | 0.414 | J | 0.0538 | 0.571 | 1 | 05/18/2022 00:50 | WG1863434 |
| Chromium | 7.50 | | 0.152 | 1.14 | 1 | 05/18/2022 00:50 | WG1863434 |
| Cobalt | 4.20 | | 0.0926 | 1.14 | 1 | 05/18/2022 00:50 | WG1863434 |
| Copper | 9.28 | | 0.457 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Lead | 42.5 | | 0.238 | 0.571 | 1 | 05/18/2022 00:50 | WG1863434 |
| Molybdenum | 0.843 | | 0.124 | 0.571 | 1 | 05/18/2022 00:50 | WG1863434 |
| Nickel | 9.05 | | 0.151 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Selenium | U | | 0.873 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Silver | U | | 0.145 | 1.14 | 1 | 05/18/2022 00:50 | WG1863434 |
| Thallium | U | | 0.450 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Vanadium | 17.1 | | 0.578 | 2.28 | 1 | 05/18/2022 00:50 | WG1863434 |
| Zinc | 44.5 | | 0.950 | 5.71 | 1 | 05/18/2022 00:50 | WG1863434 |

## Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 2.89 | B J | 1.07 | 3.21 | 25 | 05/15/2022 04:15 | WG1863886 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *05/15/2022 04:15* | WG1863886 |

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.837 | 4.57 | 1 | 05/20/2022 05:35 | WG1865851 |
| C22-C32 Hydrocarbons | 1.70 | J | 1.52 | 4.57 | 1 | 05/20/2022 05:35 | WG1865851 |
| C32-C40 Hydrocarbons | U | | 1.52 | 4.57 | 1 | 05/20/2022 05:35 | WG1865851 |
| *(S) o-Terphenyl* | *65.0* | | | *18.0-148* | | *05/20/2022 05:35* | WG1865851 |

# QUALITY CONTROL SUMMARY

L1491485-03,06,09,12,15,18,21,24,27,30

## Method Blank (MB)

(MB) R3791802-1 05/13/22 18:42

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.00100 | | | |

## L1491485-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1491485-15 05/13/22 18:42 • (DUP) R3791802-3 05/13/22 18:42

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 89.1 | 88.9 | 1 | 0.199 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3791802-2 05/13/22 18:42

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1491485-33,36,39,42,45,48,51,54,57,60

## Method Blank (MB)

(MB) R3791801-1 05/13/22 18:18

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.00100 | | | |

## L1491485-51 Original Sample (OS) • Duplicate (DUP)

(OS) L1491485-51 05/13/22 18:18 • (DUP) R3791801-3 05/13/22 18:18

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 83.3 | 83.8 | 1 | 0.664 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3791801-2 05/13/22 18:18

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1491485-63,66,69,72,75,78,81

## Method Blank (MB)

(MB) R3791800-1 05/13/22 17:55

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.00200 | | | |

## L1491485-81 Original Sample (OS) • Duplicate (DUP)

(OS) L1491485-81 05/13/22 17:55 • (DUP) R3791800-3 05/13/22 17:55

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 87.6 | 87.6 | 1 | 0.0135 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3791800-2 05/13/22 17:55

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1491485-03,06,09,12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,57,60



## Method Blank (MB)

(MB) R3792995-1 05/17/22 14:00

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Mercury | U | | 0.0180 | 0.0400 |

## Laboratory Control Sample (LCS)

(LCS) R3792995-2 05/17/22 14:03

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Mercury | 0.500 | 0.417 | 83.4 | 80.0-120 | |

## L1491485-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491485-21 05/17/22 14:10 • (MS) R3792995-3 05/17/22 14:13 • (MSD) R3792995-4 05/17/22 14:15

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.557 | 0.370 | 0.907 | 0.878 | 96.3 | 91.3 | 1 | 75.0-125 | | | 3.17 | 20 |

# QUALITY CONTROL SUMMARY

L1491485-63,66,69,72,75,78,81

## Method Blank (MB)

(MB) R3792583-1 05/17/22 07:43

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Mercury | U | | 0.0180 | 0.0400 |

## Laboratory Control Sample (LCS)

(LCS) R3792583-2 05/17/22 07:45

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Mercury | 0.500 | 0.494 | 98.8 | 80.0-120 | |

## L1491485-69 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491485-69 05/17/22 07:48 • (MS) R3792583-3 05/17/22 07:50 • (MSD) R3792583-4 05/17/22 07:53

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.563 | 0.0623 | 0.504 | 0.529 | 78.6 | 83.0 | 1 | 75.0-125 | | | 4.79 | 20 |

# QUALITY CONTROL SUMMARY

L1491485-03,06,09,72,75,78,81



## Method Blank (MB)

(MB) R3793012-1 05/18/22 00:08

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Antimony | U | | 0.544 | 2.00 |
| Arsenic | U | | 0.518 | 2.00 |
| Barium | U | | 0.0852 | 0.500 |
| Beryllium | U | | 0.0315 | 0.200 |
| Cadmium | U | | 0.0471 | 0.500 |
| Chromium | U | | 0.133 | 1.00 |
| Cobalt | U | | 0.0811 | 1.00 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Molybdenum | U | | 0.109 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Thallium | U | | 0.394 | 2.00 |
| Vanadium | U | | 0.506 | 2.00 |
| Zinc | U | | 0.832 | 5.00 |

## Laboratory Control Sample (LCS)

(LCS) R3793012-2 05/18/22 00:11

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Antimony | 100 | 91.5 | 91.5 | 80.0-120 | |
| Arsenic | 100 | 90.2 | 90.2 | 80.0-120 | |
| Barium | 100 | 95.6 | 95.6 | 80.0-120 | |
| Beryllium | 100 | 94.7 | 94.7 | 80.0-120 | |
| Cadmium | 100 | 91.8 | 91.8 | 80.0-120 | |
| Chromium | 100 | 93.7 | 93.7 | 80.0-120 | |
| Cobalt | 100 | 93.9 | 93.9 | 80.0-120 | |
| Copper | 100 | 95.1 | 95.1 | 80.0-120 | |
| Lead | 100 | 92.0 | 92.0 | 80.0-120 | |
| Molybdenum | 100 | 96.3 | 96.3 | 80.0-120 | |
| Nickel | 100 | 92.4 | 92.4 | 80.0-120 | |
| Selenium | 100 | 91.2 | 91.2 | 80.0-120 | |
| Silver | 20.0 | 18.8 | 93.8 | 80.0-120 | |
| Thallium | 100 | 91.5 | 91.5 | 80.0-120 | |
| Vanadium | 100 | 95.7 | 95.7 | 80.0-120 | |
| Zinc | 100 | 91.1 | 91.1 | 80.0-120 | |

## L1491495-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491495-02 05/18/22 00:14 • (MS) R3793012-5 05/18/22 00:22 • (MSD) R3793012-6 05/18/22 00:25

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 100 | U | 80.3 | 77.7 | 80.3 | 77.7 | 1 | 75.0-125 | | | 3.27 | 20 |
| Arsenic | 100 | 3.44 | 92.6 | 91.1 | 89.2 | 87.7 | 1 | 75.0-125 | | | 1.63 | 20 |
| Barium | 100 | 56.9 | 154 | 170 | 97.2 | 113 | 1 | 75.0-125 | | | 10.0 | 20 |
| Beryllium | 100 | 0.118 | 91.7 | 89.8 | 91.6 | 89.7 | 1 | 75.0-125 | | | 2.10 | 20 |
| Cadmium | 100 | 0.0947 | 90.9 | 88.9 | 90.8 | 88.8 | 1 | 75.0-125 | | | 2.27 | 20 |
| Chromium | 100 | 3.79 | 92.3 | 91.5 | 88.5 | 87.7 | 1 | 75.0-125 | | | 0.806 | 20 |
| Cobalt | 100 | 2.70 | 95.9 | 94.2 | 93.2 | 91.5 | 1 | 75.0-125 | | | 1.75 | 20 |
| Copper | 100 | 5.56 | 99.7 | 98.6 | 94.1 | 93.0 | 1 | 75.0-125 | | | 1.13 | 20 |
| Lead | 100 | 1.84 | 92.6 | 90.6 | 90.8 | 88.8 | 1 | 75.0-125 | | | 2.14 | 20 |
| Molybdenum | 100 | 0.134 | 89.4 | 87.1 | 89.3 | 86.9 | 1 | 75.0-125 | | | 2.69 | 20 |
| Nickel | 100 | 14.6 | 107 | 106 | 92.6 | 91.7 | 1 | 75.0-125 | | | 0.902 | 20 |
| Selenium | 100 | U | 89.2 | 87.1 | 89.2 | 87.1 | 1 | 75.0-125 | | | 2.31 | 20 |
| Silver | 20.0 | U | 18.7 | 18.3 | 93.6 | 91.5 | 1 | 75.0-125 | | | 2.30 | 20 |
| Thallium | 100 | U | 88.7 | 86.9 | 88.7 | 86.9 | 1 | 75.0-125 | | | 2.14 | 20 |
| Vanadium | 100 | 15.8 | 108 | 107 | 92.6 | 91.4 | 1 | 75.0-125 | | | 1.12 | 20 |
| Zinc | 100 | 7.80 | 93.0 | 91.9 | 85.2 | 84.1 | 1 | 75.0-125 | | | 1.21 | 20 |

## Method Blank (MB)

(MB) R3793252-1 05/18/22 11:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Antimony | U | | 0.544 | 2.00 |
| Arsenic | U | | 0.518 | 2.00 |
| Barium | U | | 0.0852 | 0.500 |
| Beryllium | U | | 0.0315 | 0.200 |
| Cadmium | U | | 0.0471 | 0.500 |
| Chromium | U | | 0.133 | 1.00 |
| Cobalt | U | | 0.0811 | 1.00 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Molybdenum | U | | 0.109 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Vanadium | U | | 0.506 | 2.00 |
| Zinc | U | | 0.832 | 5.00 |

## Method Blank (MB)

(MB) R3793516-1 05/19/22 01:12

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Thallium | U | | 0.394 | 2.00 |

## Laboratory Control Sample (LCS)

(LCS) R3793252-2 05/18/22 11:30

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Antimony | 100 | 91.8 | 91.8 | 80.0-120 | |
| Arsenic | 100 | 91.3 | 91.3 | 80.0-120 | |
| Barium | 100 | 99.0 | 99.0 | 80.0-120 | |
| Beryllium | 100 | 96.0 | 96.0 | 80.0-120 | |
| Cadmium | 100 | 95.2 | 95.2 | 80.0-120 | |
| Chromium | 100 | 96.8 | 96.8 | 80.0-120 | |
| Cobalt | 100 | 96.5 | 96.5 | 80.0-120 | |
| Copper | 100 | 95.3 | 95.3 | 80.0-120 | |
| Lead | 100 | 94.1 | 94.1 | 80.0-120 | |
| Molybdenum | 100 | 96.9 | 96.9 | 80.0-120 | |
| Nickel | 100 | 95.4 | 95.4 | 80.0-120 | |

# QUALITY CONTROL SUMMARY

L1491485-12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,57,60,63,66,69



## Laboratory Control Sample (LCS)

(LCS) R3793252-2 05/18/22 11:30

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Selenium | 100 | 92.1 | 92.1 | 80.0-120 | |
| Silver | 20.0 | 17.9 | 89.4 | 80.0-120 | |
| Vanadium | 100 | 94.6 | 94.6 | 80.0-120 | |
| Zinc | 100 | 91.4 | 91.4 | 80.0-120 | |

## Laboratory Control Sample (LCS)

(LCS) R3793516-2 05/19/22 01:14

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Thallium | 100 | 103 | 103 | 80.0-120 | |

## L1491485-42 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491485-42 05/18/22 11:33 • (MS) R3793252-5 05/18/22 11:41 • (MSD) R3793252-6 05/18/22 11:43

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 124 | U | 52.9 | 54.7 | 42.6 | 44.1 | 1 | 75.0-125 | J6 | J6 | 3.39 | 20 |
| Arsenic | 124 | 11.9 | 111 | 117 | 80.1 | 84.8 | 1 | 75.0-125 | | | 5.19 | 20 |
| Barium | 124 | 130 | 244 | 256 | 92.4 | 102 | 1 | 75.0-125 | | | 4.72 | 20 |
| Beryllium | 124 | 0.502 | 113 | 120 | 90.8 | 96.1 | 1 | 75.0-125 | | | 5.62 | 20 |
| Cadmium | 124 | 0.772 | 113 | 117 | 90.1 | 93.9 | 1 | 75.0-125 | | | 4.09 | 20 |
| Chromium | 124 | 17.8 | 130 | 137 | 90.2 | 96.0 | 1 | 75.0-125 | | | 5.34 | 20 |
| Cobalt | 124 | 5.38 | 121 | 126 | 92.9 | 97.5 | 1 | 75.0-125 | | | 4.60 | 20 |
| Copper | 124 | 16.8 | 130 | 136 | 91.2 | 95.7 | 1 | 75.0-125 | | | 4.12 | 20 |
| Lead | 124 | 175 | 280 | 259 | 84.2 | 67.7 | 1 | 75.0-125 | | J6 | 7.63 | 20 |
| Molybdenum | 124 | 0.826 | 110 | 116 | 87.9 | 92.4 | 1 | 75.0-125 | | | 5.01 | 20 |
| Nickel | 124 | 12.9 | 126 | 132 | 91.3 | 95.6 | 1 | 75.0-125 | | | 4.17 | 20 |
| Selenium | 124 | U | 107 | 111 | 85.8 | 89.0 | 1 | 75.0-125 | | | 3.62 | 20 |
| Silver | 24.8 | U | 20.4 | 21.3 | 82.2 | 85.8 | 1 | 75.0-125 | | | 4.28 | 20 |
| Vanadium | 124 | 28.9 | 142 | 151 | 90.8 | 98.1 | 1 | 75.0-125 | | | 6.19 | 20 |
| Zinc | 124 | 99.7 | 204 | 203 | 84.1 | 83.0 | 1 | 75.0-125 | | | 0.667 | 20 |

## L1491485-42 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491485-42 05/19/22 01:17 • (MS) R3793516-4 05/19/22 01:22 • (MSD) R3793516-5 05/19/22 01:25

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | 124 | U | 119 | 124 | 96.0 | 99.9 | 1 | 75.0-125 | | | 3.96 | 20 |

# QUALITY CONTROL SUMMARY

L1491485-06,09,12

## Method Blank (MB)

(MB) R3791460-2 05/12/22 16:18

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| TPHG C5 - C12 | 2.49 | J | 0.830 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.4* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3791460-1 05/12/22 15:07

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5.50 | 5.40 | 98.2 | 72.0-125 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *104* | *77.0-120* | |

# QUALITY CONTROL SUMMARY

L1491485-30,33,36,39,42,45,48,51,54,57,60,63,66,69,72

## Method Blank (MB)

(MB) R3791555-2 05/13/22 08:20

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| TPHG C5 - C12 | 2.21 | J | 0.830 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.1* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3791555-1 05/13/22 07:09

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5.50 | 5.31 | 96.5 | 72.0-125 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *104* | *77.0-120* | |

## Method Blank (MB)

(MB) R3791556-2 05/13/22 08:20

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| TPHG C5 - C12 | 2.21 | J | 0.830 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.1* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3791556-1 05/13/22 07:09

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5.50 | 5.31 | 96.5 | 72.0-125 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *104* | *77.0-120* | |

# QUALITY CONTROL SUMMARY

L1491485-15,18,21,24,27

## Method Blank (MB)

(MB) R3792282-2 05/14/22 23:26

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| TPHG C5 - C12 | 1.86 | J | 0.830 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.3* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3792282-1 05/14/22 22:15

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5.50 | 5.82 | 106 | 72.0-125 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *105* | *77.0-120* | |

# QUALITY CONTROL SUMMARY

L1491485-75,78,81

## Method Blank (MB)

(MB) R3792283-2 05/14/22 23:26

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| TPHG C5 - C12 | 1.86 | J | 0.830 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.3* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R3792283-1 05/14/22 22:15

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| TPHG C5 - C12 | 5.50 | 5.82 | 106 | 72.0-125 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *105* | *77.0-120* | |

## L1492486-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492486-02 05/15/22 05:02 • (MS) R3792283-3 05/15/22 10:13 • (MSD) R3792283-4 05/15/22 10:53

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPHG C5 - C12 | 129 | 13.9 | 140 | 139 | 97.8 | 97.0 | 25 | 10.0-141 | | | 0.717 | 29 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | | *105* | *105* | | *77.0-120* | | | | |

## Method Blank (MB)

(MB) R3791810-1 05/13/22 16:10

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.733 | 4.00 |
| C22-C32 Hydrocarbons | U | | 1.33 | 4.00 |
| C32-C40 Hydrocarbons | U | | 1.33 | 4.00 |
| *(S) o-Terphenyl* | *87.4* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R3791810-2 05/13/22 16:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 25.0 | 22.7 | 90.8 | 50.0-150 | |
| C22-C32 Hydrocarbons | 25.0 | 22.8 | 91.2 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *84.2* | *18.0-148* | |

## L1491103-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491103-21 05/14/22 03:08 • (MS) R3791810-3 05/14/22 03:25 • (MSD) R3791810-4 05/14/22 03:42

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 25.6 | 2.03 | 22.6 | 24.3 | 80.6 | 86.4 | 1 | 50.0-150 | | | 7.14 | 20 |
| C22-C32 Hydrocarbons | 25.6 | 22.9 | 31.2 | 37.3 | 32.4 | 55.7 | 1 | 50.0-150 | J6 | | 17.7 | 20 |
| *(S) o-Terphenyl* | | | | | *73.4* | *80.5* | | *18.0-148* | | | | |

# QUALITY CONTROL SUMMARY

L1491485-39,42,45,48,51,54,57,60



## Method Blank (MB)

(MB) R3793074-1 05/17/22 23:29

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.733 | 4.00 |
| C22-C32 Hydrocarbons | U | | 1.33 | 4.00 |
| C32-C40 Hydrocarbons | U | | 1.33 | 4.00 |
| *(S) o-Terphenyl* | *72.1* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R3793074-2 05/17/22 23:46

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 25.0 | 17.4 | 69.6 | 50.0-150 | |
| C22-C32 Hydrocarbons | 25.0 | 17.6 | 70.4 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *50.3* | *18.0-148* | |

## L1491485-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491485-48 05/18/22 06:26 • (MS) R3793074-3 05/18/22 06:43 • (MSD) R3793074-4 05/18/22 07:00

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 27.2 | 3.60 | 26.0 | 24.6 | 82.4 | 77.1 | 1 | 50.0-150 | | | 5.62 | 20 |
| C22-C32 Hydrocarbons | 27.2 | 32.7 | 56.7 | 54.6 | 88.4 | 80.7 | 1 | 50.0-150 | | | 3.73 | 20 |
| *(S) o-Terphenyl* | | | | | *60.5* | *58.1* | | *18.0-148* | | | | |

# QUALITY CONTROL SUMMARY

L1491485-63,66,69,72,75,78,81



## Method Blank (MB)

(MB) R3794084-1 05/20/22 00:11

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| C12-C22 Hydrocarbons | U | | 0.733 | 4.00 |
| C22-C32 Hydrocarbons | U | | 1.33 | 4.00 |
| C32-C40 Hydrocarbons | U | | 1.33 | 4.00 |
| *(S) o-Terphenyl* | *78.2* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R3794084-2 05/20/22 00:28

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 25.0 | 20.3 | 81.2 | 50.0-150 | |
| C22-C32 Hydrocarbons | 25.0 | 20.7 | 82.8 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *73.0* | *18.0-148* | |

## L1492960-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492960-01 05/20/22 04:11 • (MS) R3794084-3 05/20/22 04:28 • (MSD) R3794084-4 05/20/22 04:45

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C12-C22 Hydrocarbons | 24.6 | U | 15.3 | 15.9 | 62.2 | 64.6 | 1 | 50.0-150 | | | 3.85 | 20 |
| C22-C32 Hydrocarbons | 24.6 | U | 14.9 | 16.2 | 60.6 | 65.9 | 1 | 50.0-150 | | | 8.36 | 20 |
| *(S) o-Terphenyl* | | | | | *52.0* | *54.9* | | *18.0-148* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| (dry) | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils]. |
| MDL | Method Detection Limit. |
| MDL (dry) | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| RDL (dry) | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

WHA

**Weber, Hayes & Associates**
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

H003

L149/485

| | |
|---|---|
| Site Name & Location: | 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B |
| Sampler Name: | Heather Bondiek - Weber, Hayes & Associates |
| Email report to : | Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com |

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix. (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-1A@0.5 | SS-1A-1B@0.5 COMP | 0.50 | 5/5/22@2:26PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 01 | |
| SS-1B@0.5 | | 0.50 | 5/6/22@8:27AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 02 | 03 |
| SS-1A@1.5 | SS-1A-1B@1.5 COMP | 1.50 | 5/5/22@2:28PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 04 | |
| SS-1B@1.5 | | 1.50 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 05 | 06 |
| SS-1A@3.0 | SS-1A-1B@3.0 COMP | 3.00 | 5/5/22@2:30PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 07 | HOLD |
| SS-1B@3.0 | | 3.00 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 08 | 09 |
| SS-2A@0.5 | SS-2A-2B@0.5 COMP | 0.50 | 5/5/22@2:13PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 10 | |
| SS-2B@0.5 | | 0.50 | 5/6/22@8:38AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 11 | 12 |
| SS-2A@1.5 | SS-2A-2B@1.5 COMP | 1.50 | 5/5/22@2:15PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 13 | |
| SS-2B@1.5 | | 1.50 | 5/6/22@8:40AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 14 | 15 |
| SS-2A@3.0 | SS-2A-2B@3.0 COMP | 3.00 | 5/5/22@2:17PM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 16 | HOLD |
| SS-2B@3.0 | | 3.00 | 5/6/22@8:42AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 17 | 18 |

| | |
|---|---|
| **Released By:** [signature] PRINT NAME: Heather Bondiek | Date & Time: 5/6/22 @ 11:30 SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |

| | |
|---|---|
| **Received By:** PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Received By:** [signature] PRINT NAME: | Date & Time: 5/7/22 0930 SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Received By:** PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |

Sample Receipt Checklist
COC Seal Present/Intact: Y X N — If Applicable
COC Signed/Accurate: X Y N — VOA Zero Headspace: Y N
Bottles arrive intact: X Y N — Pres.Correct/Check: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
RAD Screen <0.5 mR/hr: Y N

Cont
162 + TB

WHA

**Weber, Hayes & Associates**
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

**Site Name & Location:** 113 Lincoln St, Santa Cruz CA

**Geotracker ID:** NA **WHA Job #:** 2T158B

**Sampler Name:** Heather Bondiek - Weber, Hayes & Associates

**Email report to :** Lab@weber-hayes.com

**Also Email report to:** pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L491485

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix. (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-3A@0.5 | SS-3A-3B@0.5 COMP | 0.50 | 5/5/22@14:40 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 19 | |
| SS-3B@0.5 | | 0.50 | 5/6/22@8:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 20 | 21 |
| SS-3A@1.5 | SS-3A-3B@1.5 COMP | 1.50 | 5/5/22@14:42 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 22 | |
| SS-3B@1.5 | | 1.50 | 5/6/22@8:51 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 23 | 24 |
| SS-3A@3.0 | SS-3A-3B@3.0 COMP | 3.00 | 5/5/22@14:45 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 25 | HOLD |
| SS-3B@3.0 | | 3.00 | 5/6/22@8:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 26 | 27 |
| SS-4A@0.5 | SS-4A-4B@0.5 COMP | 0.50 | 5/5/22@13:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 28 | |
| SS-4B@0.5 | | 0.50 | 5/6/22@9:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 29 | 30 |
| SS-4A@1.5 | SS-4A-4B@1.5 COMP | 1.50 | 5/5/22@13:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 31 | |
| SS-4B@1.5 | | 1.50 | 5/6/22@9:06 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 32 | 33 |
| SS-4A@3.0 | SS-4A-4B@3.0 COMP | 3.00 | 5/5/22@13:55 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 34 | HOLD |
| SS-4B@3.0 | | 3.00 | 5/6/22@9:07 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 35 | 36 |

**Released By:** [signature] Date & Time: 5/6/22 @ 11:30
PRINT NAME: Heather Bondiek SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Released By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Released By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

WHA

**Weber, Hayes & Associates**
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

**Site Name & Location:** 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B

**Sampler Name:** Heather Bondiek - Weber, Hayes & Associates

**Email report to :** Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1491495

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix. (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-5A@0.5 | SS-5A-5B@0.5 COMP | 0.50 | 5/5/22@14:00 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 37 | 39 |
| SS-5B@0.5 | | 0.50 | 5/6/22@10:25 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 38 | |
| SS-5A@1.5 | SS-5A-5B@1.5 COMP | 1.50 | 5/5/22@14:02 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 40 | 42 |
| SS-5B@1.5 | | 1.50 | 5/6/22@10:26 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 41 | |
| SS-5A@3.0 | SS-5A-5B@3.0 COMP | 3.00 | 5/5/22@14:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 43 | HOLD |
| SS-5B@3.0 | | 3.00 | 5/6/22@10:27 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 44 | 45 |
| SS-6A@0.5 | SS-6A-6B@0.5 COMP | 0.50 | 5/5/22@13:33 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 46 | 48 |
| SS-6B@0.5 | | 0.50 | 5/6/22@9:20 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 47 | |
| SS-6A@1.5 | SS-6A-6B@1.5 COMP | 1.50 | 5/5/22@13:35 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 49 | 51 |
| SS-6B@1.5 | | 1.50 | 5/6/22@9:21 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 50 | |
| SS-6A@3.0 | SS-6A-6B@3.0 COMP | 3.00 | 5/5/22@13:37 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 52 | HOLD |
| SS-6B@3.0 | | 3.00 | 5/6/22@9:22 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 53 | 54 |

**Released By:** [signature] Date & Time: 5/6/22@11:30
PRINT NAME: Heather Bondiek SAMPLE CONDITION: AMBIENT (REFRIGERATED)

**Released By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Released By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

**Received By:** _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

L1491485

| | |
|---|---|
| Site Name & Location: | 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B |
| Sampler Name: | Heather Bondiek - Weber, Hayes & Associates |
| Email report to : | Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com |

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix. (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-7A@0.5 | SS-7A-7B@0.5 COMP | 0.50 | 5/5/22@13:00 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 55 | Please Composite |
| SS-7B@0.5 | | 0.50 | 5/6/22@9:40 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 56 57 | |
| SS-7A@1.5 | SS-7A-7B@1.5 COMP | 1.50 | 5/5/22@13:02 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 58 | Please Composite |
| SS-7B@1.5 | | 1.50 | 5/6/22@9:42 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 59 60 | |
| SS-7A@3.0 | SS-7A-7B@3.0 COMP | 3.00 | 5/5/22@13:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 61 | HOLD |
| SS-7B@3.0 | | 3.00 | 5/6/22@9:43 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 62 63 | |
| SS-8A@0.5 | SS-8A-8B@0.5 COMP | 0.50 | 5/5/22@12:15 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 64 | Please Composite |
| SS-8B@0.5 | | 0.50 | 5/6/22@10:00 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 65 66 | |
| SS-8A@1.5 | SS-8A-8B@1.5 COMP | 1.50 | 5/5/22@12:16 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 67 | Please Composite |
| SS-8B@1.5 | | 1.50 | 5/6/22@10:02 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 68 69 | |
| SS-8A@3.0 | SS-8A-8B@3.0 COMP | 3.00 | 5/5/22@12:18 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 70 | HOLD |
| SS-8B@3.0 | | 3.00 | 5/6/22@10:03 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 71 72 | |

| | | | |
|---|---|---|---|
| **Released By:** Heather Bondiek | Date & Time: 5/6/22 @11:30 | **Received By:** | Date & Time: |
| PRINT NAME: Heather Bondiek | SAMPLE CONDITION: AMBIENT / (REFRIGERATED) | PRINT NAME: | SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** | Date & Time: | **Received By:** | Date & Time: |
| PRINT NAME: | SAMPLE CONDITION: AMBIENT / REFRIGERATED | PRINT NAME: | SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** | Date & Time: | **Received By:** | Date & Time: |
| PRINT NAME: | SAMPLE CONDITION: AMBIENT / REFRIGERATED | PRINT NAME: | SAMPLE CONDITION: AMBIENT / REFRIGERATED |

WHA

**Weber, Hayes & Associates**
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

**Laboratory: Torrent**

| | |
|---|---|
| Site Name & Location: | 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B |
| Sampler Name: | Heather Bondiek - Weber, Hayes & Associates |
| Email report to : | Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com |

**Turnaround Time** (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1491485

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-9A@0.5 | SS-9A-9B@0.5 COMP | 0.50 | 5/5/22@13:20 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 73 | Please Composite |
| SS-9B@0.5 | | 0.50 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 74 75 | |
| SS-9A@1.5 | SS-9A-9B@1.5 COMP | 1.50 | 5/5/22@13:22 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 76 | Please Composite |
| SS-9B@1.5 | | 1.50 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 77 78 | |
| SS-9A@3.0 | SS-9A-9B@3.0 COMP | 3.00 | 5/5/22@13:25 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | 79 | HOLD |
| SS-9B@3.0 | | 3.00 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | 80 81 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| | |
|---|---|
| **Released By:** Heather Bondiek — Date & Time: 5/6/22 @ 11:30 | **Received By:** — Date & Time: |
| PRINT NAME: Heather Bondiek — SAMPLE CONDITION: AMBIENT / REFRIGERATED | PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** — Date & Time: | **Received By:** — Date & Time: |
| PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| **Released By:** — Date & Time: | **Received By:** — Date & Time: |
| PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | PRINT NAME: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |

| Tracking Numbers | Temperature |
| --- | --- |
| 5528 5947 5725 | DRAT 5.1 to = 5.1 |
| 5714 | .3 to = .3 DRAT |
| 5736 | .2 to = .2 DRAT |
| | |
| | |
| | |

# ANALYTICAL REPORT

June 24, 2022



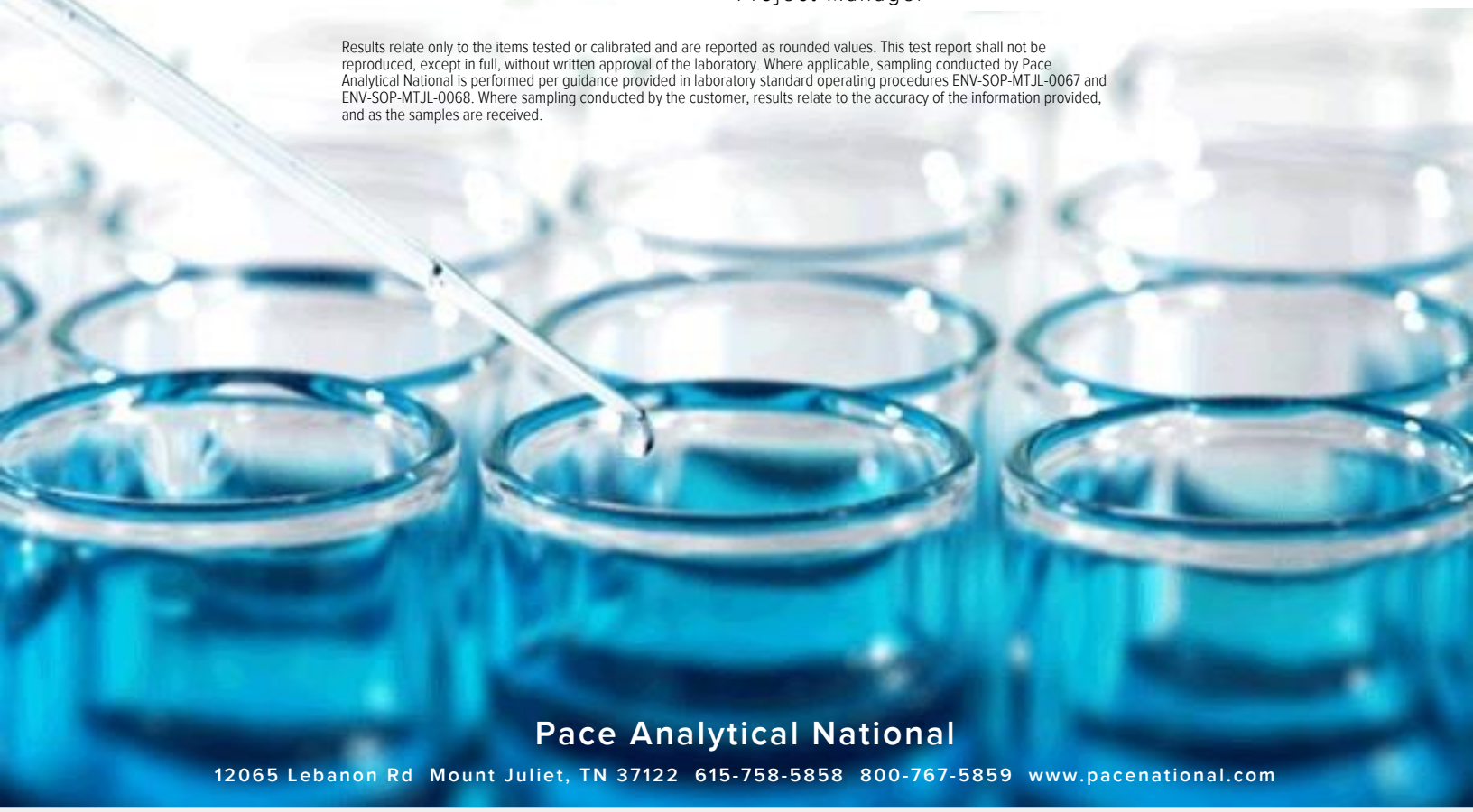
## Weber, Hayes & Associates - CA

| | |
|---|---|
| Sample Delivery Group: | L1500323 |
| Samples Received: | 05/07/2022 |
| Project Number: | 2T158B |
| Description: | Downtown Library ESA |
| Report To: | Heather Bondiek<br>120 Westgate Drive<br>Watsonville, CA 95076 |

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.




Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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## SS-1A@0.5 L1500323-01 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:26 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873784 | 1 | 06/06/22 13:27 | 06/06/22 13:32 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 14:56 | CCE | Mt. Juliet, TN |

## SS-1B@0.5 L1500323-02 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 08:27 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873784 | 1 | 06/06/22 13:27 | 06/06/22 13:32 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 14:59 | CCE | Mt. Juliet, TN |

## SS-1A-1B@0.5 COMP L1500323-03 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:19 | CCE | Mt. Juliet, TN |

## SS-2A@0.5 L1500323-04 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:13 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:01 | CCE | Mt. Juliet, TN |

## SS-2B@0.5 L1500323-05 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 08:38 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 14:42 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 5 | 06/13/22 17:05 | 06/23/22 16:20 | ZSA | Mt. Juliet, TN |

## SS-2A-2B@0.5 COMP L1500323-06 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:27 | CCE | Mt. Juliet, TN |

## SS-2A@1.5 L1500323-07 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:15 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:09 | CCE | Mt. Juliet, TN |

## SS-2B@1.5 L1500323-08 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 08:40 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:12 | CCE | Mt. Juliet, TN |

## SS-2A-2B@1.5 COMP L1500323-09 GW

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1873770 | 1 | 06/07/22 13:44 | 06/07/22 13:44 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1878613 | 9 | 06/13/22 13:05 | 06/13/22 23:36 | CCE | Mt. Juliet, TN |

## SS-3A@0.5 L1500323-10 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:40 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:14 | CCE | Mt. Juliet, TN |

## SS-3B@0.5 L1500323-11 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 08:50 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:17 | CCE | Mt. Juliet, TN |

## SS-3A-3B@0.5 COMP L1500323-12 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:30 | CCE | Mt. Juliet, TN |

## SS-3A@1.5 L1500323-13 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:42 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:20 | CCE | Mt. Juliet, TN |

## SS-3B@1.5 L1500323-14 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 08:51 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:22 | CCE | Mt. Juliet, TN |

## SS-3A-3B@1.5 COMP L1500323-15 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 00:00 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1873770 | 1 | 06/07/22 13:44 | 06/07/22 13:44 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1878613 | 9 | 06/13/22 13:05 | 06/13/22 23:39 | CCE | Mt. Juliet, TN |

## SS-4A@0.5 L1500323-16 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/05/22 13:50 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:25 | CCE | Mt. Juliet, TN |

## SS-4B@0.5 L1500323-17 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 09:05 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873786 | 1 | 06/07/22 11:45 | 06/07/22 12:02 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:27 | CCE | Mt. Juliet, TN |

## SS-4A-4B@0.5 COMP L1500323-18 Waste

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 00:00 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:33 | CCE | Mt. Juliet, TN |

## SS-4A@1.5 L1500323-19 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/05/22 13:52 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:30 | CCE | Mt. Juliet, TN |

## SS-4B@1.5 L1500323-20 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 09:06 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:33 | CCE | Mt. Juliet, TN |

## SS-4A-4B@1.5 COMP L1500323-21 Waste

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 00:00 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:36 | CCE | Mt. Juliet, TN |

## SS-5A@0.5 L1500323-22 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | .8928571 | 06/13/22 17:05 | 06/22/22 15:41 | CCE | Mt. Juliet, TN |

## SS-5B@0.5 L1500323-23 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 10:25 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:43 | CCE | Mt. Juliet, TN |

## SS-5A-5B@0.5 COMP L1500323-24 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:39 | CCE | Mt. Juliet, TN |

## SS-5A@1.5 L1500323-25 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:02 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:46 | CCE | Mt. Juliet, TN |

## SS-5B@1.5 L1500323-26 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 10:26 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:48 | CCE | Mt. Juliet, TN |

## SS-5A-5B@1.5 COMP L1500323-27 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:42 | CCE | Mt. Juliet, TN |

## SS-5A@3.0 L1500323-28 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 14:05 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876124 | 1 | 06/13/22 17:05 | 06/22/22 15:51 | CCE | Mt. Juliet, TN |

## SS-5B@3.0 L1500323-29 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 10:27 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 22:46 | CCE | Mt. Juliet, TN |

## SS-6A@0.5 L1500323-30 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 13:33 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | .8928571 | 06/09/22 18:43 | 06/22/22 22:30 | CCE | Mt. Juliet, TN |

## SS-6B@0.5 L1500323-31 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 09:20 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873787 | 1 | 06/07/22 10:52 | 06/07/22 11:13 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 22:49 | CCE | Mt. Juliet, TN |

## SS-6A-6B@0.5 COMP L1500323-32 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:44 | CCE | Mt. Juliet, TN |

## SS-6A@1.5 L1500323-33 Solid

Collected by: Heather Bondiek | Collected date/time: 05/05/22 13:05 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 22:58 | CCE | Mt. Juliet, TN |

## SS-6B@1.5 L1500323-34 Solid

Collected by: Heather Bondiek | Collected date/time: 05/06/22 09:21 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 23:00 | CCE | Mt. Juliet, TN |

## SS-6A-6B@1.5 COMP L1500323-35 Waste

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 1311 | WG1875359 | 1 | 06/07/22 15:07 | 06/07/22 15:07 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876869 | 1 | 06/10/22 11:20 | 06/22/22 02:47 | CCE | Mt. Juliet, TN |

## SS-9A@0.5 L1500323-36 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/05/22 13:20 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 23:03 | CCE | Mt. Juliet, TN |

## SS-9B@0.5 L1500323-37 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 10:10 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 23:06 | CCE | Mt. Juliet, TN |

## SS-9A@1.5 L1500323-38 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/05/22 13:22 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 23:09 | CCE | Mt. Juliet, TN |

## SS-9B@1.5 L1500323-39 Solid

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 10:10 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG1873788 | 1 | 06/07/22 11:18 | 06/07/22 11:40 | CMK | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1876132 | 1 | 06/09/22 18:43 | 06/22/22 23:12 | CCE | Mt. Juliet, TN |

## SS-1A-1B@0.5 COMP L1500323-40 GW

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Heather Bondiek | 05/06/22 00:00 | 05/07/22 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1873770 | 1 | 06/07/22 13:45 | 06/07/22 13:45 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1878613 | 9 | 06/13/22 13:05 | 06/13/22 23:42 | CCE | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 96.5 | T8 | 1 | 06/06/2022 13:32 | WG1873784 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 250 | | 0.537 | 2.07 | 1 | 06/22/2022 14:56 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.1 | T8 | 1 | 06/06/2022 13:32 | WG1873784 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 35.2 | | 0.588 | 2.27 | 1 | 06/22/2022 14:59 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:59 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:59 PM | WG1875359 |
| Initial pH | 8.51 | | 6/7/2022 3:07:59 PM | WG1875359 |
| Final pH | 4.76 | | 6/7/2022 3:07:59 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.100 | 5 | 1 | 06/22/2022 02:19 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 94.9 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 110 | | 0.546 | 2.11 | 1 | 06/22/2022 15:01 | WG1876124 |
| Barium | 1200 | | 0.0898 | 0.527 | 1 | 06/22/2022 15:01 | WG1876124 |
| Lead | 46.6 | | 0.219 | 0.527 | 1 | 06/22/2022 15:01 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 93.0 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 277 | J3 J5 | 0.557 | 2.15 | 1 | 06/22/2022 14:42 | WG1876124 |
| Barium | 5790 | | 0.458 | 2.69 | 5 | 06/23/2022 16:20 | WG1876124 |
| Lead | 149 | O1 | 0.224 | 0.538 | 1 | 06/22/2022 14:42 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 8.79 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 5.73 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.100 | 5 | 1 | 06/22/2022 02:27 | WG1876869 |
| Barium | 5.80 | | 0.100 | 100 | 1 | 06/22/2022 02:27 | WG1876869 |
| Lead | ND | | 0.100 | 5 | 1 | 06/22/2022 02:27 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.5 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 404 | | 0.232 | 0.559 | 1 | 06/22/2022 15:09 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.1 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 28.2 | | 0.236 | 0.568 | 1 | 06/22/2022 15:12 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| STLC Extraction | - | | 6/7/2022 1:44:58 PM | WG1873770 |
| Final pH | 5.83 | | 6/7/2022 1:44:58 PM | WG1873770 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 5260 | | 26.9 | 54.0 | 9 | 06/13/2022 23:36 | WG1878613 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.1 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 237 | | 0.233 | 0.561 | 1 | 06/22/2022 15:14 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.6 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 677 | | 0.235 | 0.564 | 1 | 06/22/2022 15:17 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 9.78 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.79 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 2.14 | | 0.100 | 5 | 1 | 06/22/2022 02:30 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.8 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 124 | | 0.237 | 0.570 | 1 | 06/22/2022 15:20 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.0 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 39.4 | | 0.236 | 0.568 | 1 | 06/22/2022 15:22 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| STLC Extraction | - | | 6/7/2022 1:44:58 PM | WG1873770 |
| Final pH | 5.49 | | 6/7/2022 1:44:58 PM | WG1873770 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 3480 | | 26.9 | 54.0 | 9 | 06/13/2022 23:39 | WG1878613 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 95.8 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 413 | | 0.541 | 2.09 | 1 | 06/22/2022 15:25 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.7 | T8 | 1 | 06/07/2022 12:02 | WG1873786 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 226 | | 0.584 | 2.26 | 1 | 06/22/2022 15:27 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 8.61 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.38 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.100 | 5 | 1 | 06/22/2022 02:33 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 91.1 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 75.3 | | 0.569 | 2.20 | 1 | 06/22/2022 15:30 | WG1876124 |
| Lead | 193 | | 0.228 | 0.549 | 1 | 06/22/2022 15:30 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 73.3 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 5.78 | | 0.707 | 2.73 | 1 | 06/22/2022 15:33 | WG1876124 |
| Lead | 243 | | 0.284 | 0.682 | 1 | 06/22/2022 15:33 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 8.45 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.43 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 0.188 | | 0.100 | 5 | 1 | 06/22/2022 02:36 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.9 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 285 | | 0.514 | 1.99 | .8928571 | 06/22/2022 15:41 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 85.0 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 178 | | 0.610 | 2.35 | 1 | 06/22/2022 15:43 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 7.43 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.37 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.100 | 5 | 1 | 06/22/2022 02:39 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 74.4 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 31.8 | | 0.697 | 2.69 | 1 | 06/22/2022 15:46 | WG1876124 |
| Lead | 331 | | 0.280 | 0.672 | 1 | 06/22/2022 15:46 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 85.2 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 3.34 | | 0.608 | 2.35 | 1 | 06/22/2022 15:48 | WG1876124 |
| Lead | 65.9 | | 0.244 | 0.587 | 1 | 06/22/2022 15:48 | WG1876124 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 7.07 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.40 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.100 | 5 | 1 | 06/22/2022 02:42 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 74.0 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 6.37 | | 0.700 | 2.70 | 1 | 06/22/2022 15:51 | WG1876124 |
| Lead | 248 | | 0.281 | 0.676 | 1 | 06/22/2022 15:51 | WG1876124 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 87.5 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 37.5 | | 0.592 | 2.29 | 1 | 06/22/2022 22:46 | WG1876132 |
| Lead | 386 | | 0.238 | 0.572 | 1 | 06/22/2022 22:46 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 94.8 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 309 | | 0.487 | 1.88 | .8928571 | 06/22/2022 22:30 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 89.1 | T8 | 1 | 06/07/2022 11:13 | WG1873787 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 212 | | 0.581 | 2.25 | 1 | 06/22/2022 22:49 | WG1876132 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 6.57 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.36 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.100 | 5 | 1 | 06/22/2022 02:44 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 82.9 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 340 | | 0.251 | 0.603 | 1 | 06/22/2022 22:58 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 83.0 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 686 | | 0.250 | 0.602 | 1 | 06/22/2022 23:00 | WG1876132 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| TCLP Extraction | - | | 6/7/2022 3:07:25 PM | WG1875359 |
| Fluid | 1 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Initial pH | 8.24 | | 6/7/2022 3:07:25 PM | WG1875359 |
| Final pH | 4.47 | | 6/7/2022 3:07:25 PM | WG1875359 |

## Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Limit mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 0.197 | | 0.100 | 5 | 1 | 06/22/2022 02:47 | WG1876869 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 90.9 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 17.7 | | 0.570 | 2.20 | 1 | 06/22/2022 23:03 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 94.1 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 72.6 | | 0.550 | 2.13 | 1 | 06/22/2022 23:06 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 90.5 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 2.13 | J | 0.572 | 2.21 | 1 | 06/22/2022 23:09 | WG1876132 |

## Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|
| Total Solids | 88.0 | T8 | 1 | 06/07/2022 11:40 | WG1873788 |

## Metals (ICP) by Method 6010B

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 54.5 | | 0.589 | 2.27 | 1 | 06/22/2022 23:12 | WG1876132 |

## Preparation by Method 1311/22CCRA2

| Analyte | Result | Qualifier | Prep date / time | Batch |
|---|---|---|---|---|
| STLC Extraction | - | | 6/7/2022 1:45:01 PM | WG1873770 |
| Final pH | 6.04 | | 6/7/2022 1:45:01 PM | WG1873770 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 2320 | | 26.9 | 54.0 | 9 | 06/13/2022 23:42 | WG1878613 |

# QUALITY CONTROL SUMMARY

L1500323-01,02

## Method Blank (MB)

(MB) R3800134-1 06/06/22 13:32

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1497710-45 Original Sample (OS) • Duplicate (DUP)

(OS) L1497710-45 06/06/22 13:32 • (DUP) R3800134-3 06/06/22 13:32

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 95.1 | 95.0 | 1 | 0.163 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3800134-2 06/06/22 13:32

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1500323-04,05,07,08,10,11,13,14,16,17

## Method Blank (MB)

(MB) R3800602-1 06/07/22 12:02

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1500323-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1500323-10 06/07/22 12:02 • (DUP) R3800602-3 06/07/22 12:02

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 89.1 | 89.2 | 1 | 0.0646 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3800602-2 06/07/22 12:02

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1500323-19,20,22,23,25,26,28,29,30,31

## Method Blank (MB)

(MB) R3800591-1 06/07/22 11:13

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1500323-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1500323-26 06/07/22 11:13 • (DUP) R3800591-3 06/07/22 11:13

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 85.2 | 85.0 | 1 | 0.232 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3800591-2 06/07/22 11:13

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1500323-33,34,36,37,38,39

## Method Blank (MB)

(MB) R3800593-1 06/07/22 11:40

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1500323-39 Original Sample (OS) • Duplicate (DUP)

(OS) L1500323-39 06/07/22 11:40 • (DUP) R3800593-3 06/07/22 11:40

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 88.0 | 91.6 | 1 | 4.04 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R3800593-2 06/07/22 11:40

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1500323-01,02,04,05,07,08,10,11,13,14,16,17,19,20,22,23,25,26,28



## Method Blank (MB)

(MB) R3806367-1 06/22/22 14:37

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Arsenic | U | | 0.518 | 2.00 |
| Barium | U | | 0.0852 | 0.500 |
| Lead | U | | 0.208 | 0.500 |

## Laboratory Control Sample (LCS)

(LCS) R3806367-2 06/22/22 14:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Arsenic | 100 | 97.8 | 97.8 | 80.0-120 | |
| Barium | 100 | 104 | 104 | 80.0-120 | |
| Lead | 100 | 101 | 101 | 80.0-120 | |

## L1500323-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1500323-05 06/22/22 14:42 • (MS) R3806367-5 06/22/22 14:51 • (MSD) R3806367-6 06/22/22 14:53

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 108 | 277 | 590 | 395 | 292 | 110 | 1 | 75.0-125 | J5 | J3 | 39.6 | 20 |
| Barium | 108 | 5180 | 5250 | 5370 | 65.9 | 173 | 1 | 75.0-125 | E V | E V | 2.16 | 20 |
| Lead | 108 | 149 | 248 | 261 | 92.0 | 104 | 1 | 75.0-125 | | | 4.89 | 20 |

# QUALITY CONTROL SUMMARY

L1500323-29,30,31,33,34,36,37,38,39



## Method Blank (MB)

(MB) R3806360-1 06/22/22 22:25

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Arsenic | U | | 0.518 | 2.00 |
| Lead | U | | 0.208 | 0.500 |

## Laboratory Control Sample (LCS)

(LCS) R3806360-2 06/22/22 22:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Arsenic | 100 | 94.3 | 94.3 | 80.0-120 | |
| Lead | 100 | 93.6 | 93.6 | 80.0-120 | |

## L1500323-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1500323-30 06/22/22 22:30 • (MS) R3806360-5 06/22/22 22:38 • (MSD) R3806360-6 06/22/22 22:41

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 105 | 309 | 515 | 434 | 196 | 118 | 1 | 75.0-125 | J5 | | 17.2 | 20 |
| Lead | 105 | 5.11 | 107 | 104 | 96.2 | 94.2 | 1 | 75.0-125 | | | 2.00 | 20 |

# QUALITY CONTROL SUMMARY

L1500323-03,06,12,18,21,24,27,32,35



## Method Blank (MB)

(MB) R3805810-1 06/22/22 01:54

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Arsenic | U | | 0.0330 | 0.100 |
| Barium | U | | 0.0330 | 0.100 |
| Lead | U | | 0.0330 | 0.100 |

## Laboratory Control Sample (LCS)

(LCS) R3805810-2 06/22/22 01:56

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Arsenic | 10.0 | 9.64 | 96.4 | 80.0-120 | |
| Barium | 10.0 | 9.86 | 98.6 | 80.0-120 | |
| Lead | 10.0 | 9.54 | 95.4 | 80.0-120 | |

## L1500444-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1500444-02 06/22/22 01:59 • (MS) R3805810-4 06/22/22 02:05 • (MSD) R3805810-5 06/22/22 02:07

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 10.0 | 0.169 | 10.1 | 10.0 | 99.1 | 98.3 | 1 | 75.0-125 | | | 0.797 | 20 |
| Barium | 10.0 | 0.401 | 10.5 | 10.5 | 101 | 101 | 1 | 75.0-125 | | | 0.419 | 20 |
| Lead | 10.0 | ND | 9.76 | 9.70 | 97.6 | 97.0 | 1 | 75.0-125 | | | 0.561 | 20 |

# QUALITY CONTROL SUMMARY

L1500323-09,15,40

## Method Blank (MB)

(MB) R3802750-1 06/13/22 23:18

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Lead | U | | 26.9 | 54.0 |

## Laboratory Control Sample (LCS)

(LCS) R3802750-2 06/13/22 23:21

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Lead | 1000 | 999 | 99.9 | 80.0-120 | |

## L1498361-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498361-03 06/13/22 23:24 • (MS) R3802750-4 06/13/22 23:30 • (MSD) R3802750-5 06/13/22 23:33

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 9000 | 121 | 8990 | 9070 | 98.5 | 99.4 | 9 | 75.0-125 | | | 0.857 | 20 |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| (dry) | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils]. |
| MDL | Method Detection Limit. |
| MDL (dry) | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| RDL (dry) | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| O1 | The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. |
| T8 | Sample(s) received past/too close to holding time expiration. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

H003

L1500323
~~L1491485~~

| | |
|---|---|
| Site Name & Location: | 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B |
| Sampler Name: | Heather Bondiek - Weber, Hayes & Associates |
| Email report to : | Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com |

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

Analysis Requested (check those that apply)

| Sample Identification | | Sample Info | | | Sample Containers | | | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | Notes To Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | | | | | | | | |
| SS-1A@0.5 | SS-1A-1B@0.5 COMP | 0.50 | 5/5/22@2:26pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~01~~ | -01 |
| SS-1B@0.5 | | 0.50 | 5/6/22@8:27AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~02~~ ~~03~~ | -02 -03 / ~~39~~ 40 |
| SS-1A@1.5 | SS-1A-1B@1.5 COMP | 1.50 | 5/5/22@2:28pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | 04 | |
| SS-1B@1.5 | | 1.50 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | 05 | 06 |
| SS-1A@3.0 | SS-1A-1B@3.0 COMP | 3.00 | 5/5/22@2:30pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | 07 | HOLD |
| SS-1B@3.0 | | 3.00 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | 08 | 09 |
| SS-2A@0.5 | SS-2A-2B@0.5 COMP | 0.50 | 5/5/22@2:13pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~10~~ | -04 |
| SS-2B@0.5 | | 0.50 | 5/6/22@8:38AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~11~~ ~~12~~ | -05 -06 |
| SS-2A@1.5 | SS-2A-2B@1.5 COMP | 1.50 | 5/5/22@2:15pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~13~~ | -07 |
| SS-2B@1.5 | | 1.50 | 5/6/22@8:40AM | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~14~~ ~~15~~ | -08 -09 |
| SS-2A@3.0 | SS-2A-2B@3.0 COMP | 3.00 | 5/5/22@2:17pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | 16 | HOLD |
| SS-2B@3.0 | | 3.00 | 5/6/22@8:42am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | 17 | 18 |

| | |
|---|---|
| Released By: [signature] PRINT NAME: Heather Bondiek | Date & Time: 5/6/22 @ 11:30 SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Released By: PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Released By: PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Received By: PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Received By: [signature] PRINT NAME: | Date & Time: 5/7/22 0930 SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Received By: PRINT NAME: | Date & Time: SAMPLE CONDITION: AMBIENT / REFRIGERATED |

Sample Receipt Checklist
COC Seal Present/Intact: Y N If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Pres.Correct/Check: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
RAD Screen <0.5 mR/hr: Y N

Cont
162+TB

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

Site Name & Location: 113 Lincoln St, Santa Cruz CA

Geotracker ID: NA

WHA Job #: 2T158B

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Email report to: Lab@weber-hayes.com

Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1500323
~~L1491405~~

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-3A@0.5 | SS-3A-3B@0.5 COMP | 0.50 | 5/5/22@14:40 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~19~~ | | -10 |
| SS-3B@0.5 | | 0.50 | 5/6/22@8:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~20~~ | 21 | -12 -11 |
| SS-3A@1.5 | SS-3A-3B@1.5 COMP | 1.50 | 5/5/22@14:42 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~22~~ | | -13 |
| SS-3B@1.5 | | 1.50 | 5/6/22@8:51 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~23~~ | 24 | -15 -14 |
| SS-3A@3.0 | SS-3A-3B@3.0 COMP | 3.00 | 5/5/22@14:45 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~25~~ | HOLD | |
| SS-3B@3.0 | | 3.00 | 5/6/22@8:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~26~~ | 27 | |
| SS-4A@0.5 | SS-4A-4B@0.5 COMP | 0.50 | 5/5/22@13:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~28~~ | | -16 |
| SS-4B@0.5 | | 0.50 | 5/6/22@9:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~29~~ | 30 | -17 -18 |
| SS-4A@1.5 | SS-4A-4B@1.5 COMP | 1.50 | 5/5/22@13:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~31~~ | | -19 |
| SS-4B@1.5 | | 1.50 | 5/6/22@9:06 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~32~~ | 33 | -21 -20 |
| SS-4A@3.0 | SS-4A-4B@3.0 COMP | 3.00 | 5/5/22@13:55 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~34~~ | HOLD | |
| SS-4B@3.0 | | 3.00 | 5/6/22@9:07 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~35~~ | 36 | |

Released By: Heather Bondiek
PRINT NAME: Heather Bondiek
Date & Time: 5/6/22 @ 11:30
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

Site Name & Location: 113 Lincoln St, Santa Cruz CA

Geotracker ID: NA

WHA Job #: 2T158B

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Email report to: Lab@weber-hayes.com

Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1500323
~~L1491495~~

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | Notes To Lab |
| SS-5A@0.5 | SS-5A-5B@0.5 COMP | 0.50 | 5/5/22@14:00 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~37~~ | -22 |
| SS-5B@0.5 | | 0.50 | 5/6/22@10:25 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~38~~ 39 | -24 -23 |
| SS-5A@1.5 | SS-5A-5B@1.5 COMP | 1.50 | 5/5/22@14:02 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~40~~ | 25 |
| SS-5B@1.5 | | 1.50 | 5/6/22@10:26 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~41~~ 42 | -27 26 |
| SS-5A@3.0 | SS-5A-5B@3.0 COMP | 3.00 | 5/5/22@14:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~47~~ | HOLD -28 |
| SS-5B@3.0 | | 3.00 | 5/6/22@10:27 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~44~~ 45 | -29 |
| SS-6A@0.5 | SS-6A-6B@0.5 COMP | 0.50 | 5/5/22@13:33 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~46~~ | -30 |
| SS-6B@0.5 | | 0.50 | 5/6/22@9:20 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~49~~ 48 | -32 -31 |
| SS-6A@1.5 | SS-6A-6B@1.5 COMP | 1.50 | 5/5/22@13:35 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~55~~ | -33 |
| SS-6B@1.5 | | 1.50 | 5/6/22@9:21 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~50~~ 51 | -35 -34 |
| SS-6A@3.0 | SS-6A-6B@3.0 COMP | 3.00 | 5/5/22@13:37 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~52~~ | HOLD |
| SS-6B@3.0 | | 3.00 | 5/6/22@9:22 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~53~~ 54 | |

Released By: [signature] Date & Time: 5/6/22@11:30
PRINT NAME: Heather Bondiek SAMPLE CONDITION: AMBIENT (REFRIGERATED)

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

Site Name & Location: 113 Lincoln St, Santa Cruz CA — Geotracker ID: NA — WHA Job #: 2T158B

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Email report to: Lab@weber-hayes.com — Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1500323
~~L1491485~~

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | Notes To Lab |
| SS-9A@0.5 | SS-9A-9B@0.5 COMP | 0.50 | 5/5/22@13:20 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | ~~73~~ | Please Composite -36 |
| SS-9B@0.5 | | 0.50 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | ~~74~~ ~~75~~ | -~~38~~ 37 |
| SS-9A@1.5 | SS-9A-9B@1.5 COMP | 1.50 | 5/5/22@13:22 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | ~~76~~ | Please Composite -38 |
| SS-9B@1.5 | | 1.50 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | ~~77~~ ~~78~~ | -39 |
| SS-9A@3.0 | SS-9A-9B@3.0 COMP | 3.00 | 5/5/22@13:25 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | | ~~79~~ | HOLD |
| SS-9B@3.0 | | 3.00 | 5/6/22@10:10 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | ~~80~~ ~~81~~ | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| | |
|---|---|
| Released By: Heather Bondiek — PRINT NAME: Heather Bondiek — Date & Time: 5/6/22 @ 11:30 — SAMPLE CONDITION: AMBIENT / REFRIGERATED | Received By: — PRINT NAME: — Date & Time: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Released By: — PRINT NAME: — Date & Time: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | Received By: — PRINT NAME: — Date & Time: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |
| Released By: — PRINT NAME: — Date & Time: — SAMPLE CONDITION: AMBIENT / REFRIGERATED | Received By: — PRINT NAME: — Date & Time: — SAMPLE CONDITION: AMBIENT / REFRIGERATED |

# L1491485 *WEBHAYWCA* Relog Due 06/08

R5

Please relog the following:
L1491485-03 = TCLP ASICP STLC PBIC SS-1@0.5<mailto:SS-1@0.5>
L1491485-12 = TCLP ASICP, BAICP, PBICP SS-2@0.5<mailto:SS-2@0.5>
L1491485-15 = STLC PBICP SS-2@1.5<mailto:SS-2@1.5>
L1491485-21 = TCLP PBICP SS-3@0.5<mailto:SS-3@0.5>
L1491485-24 = STLC PBICP SS-3@1.5<mailto:SS-3@1.5>
L1491485-30 = TCLP ASICP SS-4@0.5<mailto:SS-4@0.5>
L1491485-33 = TCLP PBICP SS-4@1.5<mailto:SS-4@1.5>
L1491485-39= TCLP ASICP SS-5@0.5<mailto:SS-5@0.5>
L1491485-42 = TCLP PBICP SS-5@1.5<mailto:SS-5@1.5>
L1491485-48 = TCLP ASICP SS-6@0.5<mailto:SS-6@0.5>
L1491485-51 = TCLP PBICP SS-6@1.5<mailto:SS-6@1.5>

Relog the following for Total Metals listed:

L1491485-01 ASICP
L1491485-02 ASICP
L1491485-10 ASICP, BAICP, PBICP
L1491485-11 ASICP, BAICP, PBICP
L1491485-13 = PBICP
L1491485-14 = PBICP
L1491485-19 = PBICP
L1491485-20 = PBICP
L1491485-22 = PBICP
L1491485-23 = PBICP
L1491485-28 = ASICP
L1491485-29 = ASICP
L1491485-31 = ASICP, PBICP
L1491485-32 = ASICP, PBICP
L1491485-37 = ASICP
L1491485-38 = ASICP
L1491485-40 = ASICP, PBICP
L1491485-41 = ASICP, PBICP
L1491485-43 = ASICP, PBICP
L1491485-44 = ASICP, PBICP
L1491485-46 = ASICP
L1491485-47 = ASICP
L1491485-49 = PBICP
L1491485-50 = PBICP
L1491485-73 = ASICP
L1491485-74 = ASICP
L1491485-76 = ASICP
L1491485-77 = ASICP

Thank you so much,

~Jen

1.1475

Jennifer McCurdy
Project Manager II – Pace National
12065 Lebanon Road, Mt. Juliet, TN 37122
O:615-773-9721 | M:530-604-7231 | pacelabs.com<https://www.pacelabs.com/>
[Icon Description automatically generated]
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P Please consider the environment before printing this email

From: Shaun Ersoy <shaun@weber-hayes.com>
Sent: Tuesday, May 31, 2022 5:22 PM
To: Kelly Mercer <Kelly.Mercer@pacelabs.com>; heather@weber-hayes.com
Cc: 'Pat Hoban' <pat@weber-hayes.com>; Jennifer Mccurdy <Jennifer.Mccurdy@pacelabs.com>
Subject: RE: Pace Analytical National Level II Report for 2T158B Downtown Library ESA L1491485

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.
Hi Jennifer,

Im assuming Kelly is out of office, and hoping you can help with this request. We are hoping there is enough soil volume to run the following analyses:

1. Running TCLP and STLC analysis detailed below on the composite samples.

- TCLP & STLC
  - ARSENIC: SS-1@0.5<mailto:SS-1@0.5>, SS-2@0.5<mailto:SS-2@0.5>, SS-4@0.5<mailto:SS-4@0.5>, SS-5@0.5<mailto:SS-5@0.5>, and SS-6@0.5<mailto:SS-6@0.5>
  - BARIUM: SS-2@0.5<mailto:SS-2@0.5>
  - LEAD: SS-2@0.5<mailto:SS-2@0.5>, SS-3@0.5<mailto:SS-3@0.5>, SS-4@1.5<mailto:SS-4@1.5>, SS-5@1.5<mailto:SS-5@1.5>, and SS-6@1.5<mailto:SS-6@1.5>
- STLC only
  - LEAD: SS-1@0.5<mailto:SS-1@0.5>, SS-2@1.5<mailto:SS-2@1.5>, and SS-3@1.5<mailto:SS-3@1.5>

1. Running the following discrete samples, analyzed for the associated metal:

- SS-1A & SS-1B @ 0.5 ft for ARSENIC -01,-02
- SS-2A & SS-2B @ 0.5 ft for ARSENIC, BARIUM, and LEAD -10,-11
- SS-2A & SS-2B @ 1.5 ft for LEAD-13,-14
- SS-3A & SS-3B @ 0.5 ft for LEAD -19,-20
- SS-3A & SS-3B @ 1.5 ft for LEAD -22,-23
- SS-4A & SS-4B @ 0.5 ft for ARSENIC -28,-29
- SS-4A & SS-4B @ 1.5 ft for ARSENIC, and LEAD -31,-32
- SS-5A & SS-5B @ 0.5 ft for ARSENIC -37,-38
- SS-5A & SS-5B @ 1.5 ft for ARSENIC, and LEAD -40,-41
- SS-5A & SS-5B @ 3 ft for ARSENIC, and LEAD -43,-44

- SS-6A & SS-6B @ 0.5 ft for ARSENIC -46,-47
- SS-6A & SS-6B @ 1.5 ft for LEAD -49,-50
- SS-9A & SS-9B @ 0.5 ft for ARSENIC -73,-74
- SS-9A & SS-9B @ 1.5 ft for ARSENIC -76,-77

Can you please confirm if we have enough soil volume to run ALL of the above analysis. If so go ahead and run the above items. If not, please let us know, and we may have to prioritize STLC/TCLP analysis.

Thank you,
Shaun

From: Kelly Mercer <Kelly.Mercer@pacelabs.com<mailto:Kelly.Mercer@pacelabs.com>>
Sent: Tuesday, May 24, 2022 3:06 PM
To: Shaun Ersoy <shaun@weber-hayes.com<mailto:shaun@weber-hayes.com>>; heather@weber-hayes.com<mailto:heather@weber-hayes.com>
Cc: 'Pat Hoban' <pat@weber-hayes.com<mailto:pat@weber-hayes.com>>; Jennifer Mccurdy <Jennifer.Mccurdy@pacelabs.com<mailto:Jennifer.Mccurdy@pacelabs.com>>
Subject: RE: Pace Analytical National Level II Report for 2T158B Downtown Library ESA L1491485

Shaun,
Sounds good—I'll be out of the office until June 6, so let Jennifer (CC'ed) know if they will be needed.

Thank you,

Kelly Mercer
Project Manager
12065 Lebanon Road | Mt. Juliet, TN 37122
Office: 615.773.9

--- Email body truncated due to large size. Full email body added as attachment. ---

**Time estimate:** oh **Time spent:** oh

**Members**

JM Jennifer McCurdy (responsible)

1.1477

# ANALYTICAL REPORT

July 11, 2022



## Weber, Hayes & Associates - CA

| | |
|---|---|
| Sample Delivery Group: | L1509106 |
| Samples Received: | 05/07/2022 |
| Project Number: | 2T158B |
| Description: | Downtown Library ESA |
| Report To: | Heather Bondiek<br>120 Westgate Drive<br>Watsonville, CA 95076 |

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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## SS-1A-1B@0.5 COMP L1509106-01 GW

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1886432 | 1 | 06/28/22 14:59 | 06/28/22 14:59 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1888647 | 9 | 07/01/22 09:55 | 07/08/22 17:53 | KMG | Mt. Juliet, TN |

## SS-2A-2B@0.5 COMP L1509106-02 GW

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1886432 | 1 | 06/28/22 14:59 | 06/28/22 14:59 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1888647 | 9 | 07/01/22 09:55 | 07/08/22 18:01 | KMG | Mt. Juliet, TN |

## SS-3A-3B@0.5 COMP L1509106-03 GW

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1886432 | 1 | 06/28/22 14:59 | 06/28/22 14:59 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1888647 | 9 | 07/01/22 09:55 | 07/08/22 18:04 | KMG | Mt. Juliet, TN |

## SS-4A-4B@0.5 COMP L1509106-04 GW

Collected by: Heather Bondiek | Collected date/time: 05/06/22 00:00 | Received date/time: 05/07/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Preparation by Method 22CCRA2 | WG1886432 | 1 | 06/28/22 14:59 | 06/28/22 14:59 | JWS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1888647 | 9 | 07/01/22 09:55 | 07/08/22 18:07 | KMG | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager

## Sample Delivery Group (SDG) Narrative

**Sample quantity was not sufficient to complete analysis per recommended method guidelines for the following samples.**

| Lab Sample ID | Project Sample ID | Method |
|---|---|---|
| L1509106-01 | SS-1A-1B@0.5 COMP | 22CCRA2 |
| L1509106-02 | SS-2A-2B@0.5 COMP | 22CCRA2 |
| L1509106-03 | SS-3A-3B@0.5 COMP | 22CCRA2 |
| L1509106-04 | SS-4A-4B@0.5 COMP | 22CCRA2 |

## Preparation by Method 22CCRA2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| STLC Extraction | - | | | | 1 | 06/28/2022 14:59 | WG1886432 |
| Final pH | 4.76 | | | | 1 | 06/28/2022 14:59 | WG1886432 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 916 | | 39.6 | 90.0 | 9 | 07/08/2022 17:53 | WG1888647 |

## Preparation by Method 22CCRA2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| STLC Extraction | - | | | | 1 | 06/28/2022 14:59 | WG1886432 |
| Final pH | 6.58 | | | | 1 | 06/28/2022 14:59 | WG1886432 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 1470 | | 39.6 | 90.0 | 9 | 07/08/2022 18:01 | WG1888647 |
| Barium | 11900 | | 6.62 | 45.0 | 9 | 07/08/2022 18:01 | WG1888647 |
| Lead | 145 | | 26.9 | 54.0 | 9 | 07/08/2022 18:01 | WG1888647 |

## Preparation by Method 22CCRA2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| STLC Extraction | - | | | | 1 | 06/28/2022 14:59 | WG1886432 |
| Final pH | 4.76 | | | | 1 | 06/28/2022 14:59 | WG1886432 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 29500 | | 26.9 | 54.0 | 9 | 07/08/2022 18:04 | WG1888647 |

## Preparation by Method 22CCRA2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| STLC Extraction | - | | | | 1 | 06/28/2022 14:59 | WG1886432 |
| Final pH | 4.42 | | | | 1 | 06/28/2022 14:59 | WG1886432 |

## Metals (ICP) by Method 6010B

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Arsenic | 2280 | | 39.6 | 90.0 | 9 | 07/08/2022 18:07 | WG1888647 |

# QUALITY CONTROL SUMMARY

L1509106-01,02,03,04



## Method Blank (MB)

(MB) R3812725-1 07/08/22 17:27

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Arsenic | U | | 39.6 | 90.0 |
| Barium | 19.1 | J | 6.62 | 45.0 |
| Lead | U | | 26.9 | 54.0 |

## Laboratory Control Sample (LCS)

(LCS) R3812725-2 07/08/22 17:30

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Arsenic | 1000 | 1070 | 107 | 80.0-120 | |
| Barium | 1000 | 1040 | 104 | 80.0-120 | |
| Lead | 1000 | 1070 | 107 | 80.0-120 | |

## L1508985-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1508985-05 07/08/22 17:33 • (MS) R3812725-4 07/08/22 17:38 • (MSD) R3812725-5 07/08/22 17:41

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 9000 | U | 9940 | 10000 | 110 | 111 | 9 | 75.0-125 | | | 0.627 | 20 |
| Barium | 9000 | 1460 | 11200 | 11100 | 108 | 107 | 9 | 75.0-125 | | | 0.938 | 20 |
| Lead | 9000 | 27.2 | 9860 | 9840 | 109 | 109 | 9 | 75.0-125 | | | 0.207 | 20 |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-9580

# Chain of Custody

Laboratory: Torrent

H003

L1509106
~~L1500323~~
~~L1491485~~

Site Name & Location: 113 Lincoln St, Santa Cruz CA

Geotracker ID: NA

WHA Job #: 2T1588

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Email report to: Lab@weber-hayes.com

Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

Analysis Requested (check those that apply)

| Sample Identification | | Sample Info | | | Sample Containers | | | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | Notes To Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Presevative | | | | | | | | |
| SS-1A@0.5 | SS-1A-1B@0.5 COMP | 0.50 | 5/5/22@2:26pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~01~~ ~~-01~~ | |
| SS-1B@0.5 | | 0.50 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~02~~ 03 ~~-02~~ ~~03/39 40~~ | -01 |
| SS-1A@1.5 | SS-1A-1B@1.5 COMP | 1.50 | 5/5/22@2:28pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~04~~ | |
| SS-1B@1.5 | | 1.50 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~05~~ ~~05~~ | -02 |
| SS-1A@3.0 | SS-1A-1B@3.0 COMP | 3.00 | 5/5/22@2:30pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~07~~ HOLD | |
| SS-1B@3.0 | | 3.00 | 5/6/22@8:27am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~08~~ ~~09~~ | |
| SS-2A@0.5 | SS-2A-2B@0.5 COMP | 0.50 | 5/5/22@2:13pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~10~~ ~~-04~~ | |
| SS-2B@0.5 | | 0.50 | 5/6/22@8:38am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~11~~ ~~12~~ ~~-05~~ ~~-06~~ | |
| SS-2A@1.5 | SS-2A-2B@1.5 COMP | 1.50 | 5/5/22@2:15pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~13~~ ~~-07~~ | |
| SS-2B@1.5 | | 1.50 | 5/6/22@8:40am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~14~~ ~~15~~ ~~-08~~ ~~-09~~ | |
| SS-2A@3.0 | SS-2A-2B@3.0 COMP | 3.00 | 5/5/22@2:17pm | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | ~~16~~ HOLD | |
| SS-2B@3.0 | | 3.00 | 5/6/22@8:42am | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | ~~17~~ ~~18~~ | |

Released By: [signature] Date & Time: 5/6/22 @ 11:30
PRINT NAME: Heather Bondiek SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: [signature] 5/7/22 0930
PRINT NAME: Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Cont
162+TB

Sample Receipt Checklist:
COC Seal Present/Intact: Y N If Applicable:
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Preservation Correct/Checked: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N

WHA
Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

Site Name & Location: 113 Lincoln St, Santa Cruz CA

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Geotracker ID: NA

WHA Job #: 2T158B

Email report to: Lab@weber-hayes.com

Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1509106
~~L1500323~~
~~L1491405~~

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | Notes To Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth (ft) | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Preservative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | |
| SS-3A@0.5 | SS-3A-3B@0.5 COMP | 0.50 | 5/5/22@14:40 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~19~~ ~~20~~ 21 | ~~-10~~ ~~-12~~ ~~-4~~ | -03 |
| SS-3B@0.5 | | 0.50 | 5/6/22@8:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-3A@1.5 | SS-3A-3B@1.5 COMP | 1.50 | 5/5/22@14:42 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~22~~ ~~23~~ 24 | ~~-17~~ ~~-14~~ ~~-15~~ | |
| SS-3B@1.5 | | 1.50 | 5/6/22@8:51 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-3A@3.0 | SS-3A-3B@3.0 COMP | 3.00 | 5/5/22@14:45 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~25~~ ~~26~~ 27 | HOLD | |
| SS-3B@3.0 | | 3.00 | 5/6/22@8:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-4A@0.5 | SS-4A-4B@0.5 COMP | 0.50 | 5/5/22@13:50 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~28~~ ~~29~~ 30 | ~~-16~~ ~~-17~~ ~~-18~~ | -04 |
| SS-4B@0.5 | | 0.50 | 5/6/22@9:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-4A@1.5 | SS-4A-4B@1.5 COMP | 1.50 | 5/5/22@13:52 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~31~~ ~~32~~ 33 | ~~-19~~ ~~-20~~ ~~-21~~ | -05 |
| SS-4B@1.5 | | 1.50 | 5/6/22@9:06 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-4A@3.0 | SS-4A-4B@3.0 COMP | 3.00 | 5/5/22@13:55 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | X | X | X | | | | ~~34~~ ~~35~~ 36 | HOLD | |
| SS-4B@3.0 | | 3.00 | 5/6/22@9:07 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |

Released By: Heather Bondiek
PRINT NAME: Heather Bondiek
Date & Time: 5/6/22 @ 11:30
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By:
PRINT NAME:
Date & Time:
SAMPLE CONDITION: AMBIENT / REFRIGERATED

WHA

Weber, Hayes & Associates
120 Westgate Drive, Watsonville 95060
(831) 722-3580

# Chain of Custody

Laboratory: Torrent

Site Name & Location: 113 Lincoln St, Santa Cruz CA

Sampler Name: Heather Bondiek - Weber, Hayes & Associates

Geotracker ID: NA

WHA Job #: 2T1588

Email report to: Lab@weber-hayes.com

Also Email report to: pat@weber-hayes.com; heather@weber-hayes.com; harrison@weber-hayes.com

Turnaround Time (work days: check one): O = Standard O = 1 Day RUSH O = 2 Day RUSH X = 3 Day RUSH

L1509106
~~L1500323~~
~~L1491495~~

| Sample Identification | | Sample Info | | | Sample Containers | | | Analysis Requested (check those that apply) | | | | | | | | Notes To Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHA Discrete ID # | WHA 2-point Composite ID # | Depth | Date/Time | Matrix (Soil-GW-Air) | Type | Number | Preservative | TPH-gas, diesel & motor oil (8015) | CAM 17 Metals (6010B) | Dry weight analysis | | | | | | |
| SS-5A@0.5 | SS-5A-5B@0.5 COMP | 0.50 | 5/5/22@14:00 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~37~~ ~~38~~ 39 | ~~-22~~ ~~-24~~ ~~-23~~ -06 |
| SS-5B@0.5 | | 0.50 | 5/6/22@10:25 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-5A@1.5 | SS-5A-5B@1.5 COMP | 1.50 | 5/5/22@14:02 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~40~~ ~~41~~ 42 | ~~25~~ ~~-27~~ ~~26~~ -07 |
| SS-5B@1.5 | | 1.50 | 5/6/22@10:26 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-5A@3.0 | SS-5A-5B@3.0 COMP | 3.00 | 5/5/22@14:05 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~47~~ ~~48~~ HOLD 45 | ~~-28~~ ~~-29~~ |
| SS-5B@3.0 | | 3.00 | 5/6/22@10:27 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-6A@0.5 | SS-6A-6B@0.5 COMP | 0.50 | 5/5/22@13:33 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~46~~ ~~47~~ 48 | ~~-30~~ ~~-32~~ ~~-31~~ -08 |
| SS-6B@0.5 | | 0.50 | 5/6/22@9:20 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-6A@1.5 | SS-6A-6B@1.5 COMP | 1.50 | 5/5/22@13:35 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~49~~ ~~50~~ 51 | ~~-33~~ ~~-35~~ ~~-34~~ -09 |
| SS-6B@1.5 | | 1.50 | 5/6/22@9:21 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |
| SS-6A@3.0 | SS-6A-6B@3.0 COMP | 3.00 | 5/5/22@13:37 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | x | x | x | | | | | ~~52~~ ~~53~~ HOLD 54 | |
| SS-6B@3.0 | | 3.00 | 5/6/22@9:22 | Soil | Glass | 3 | 40mlAmb/MeOH10ml | | | | | | | | | |

Released By: [signature] Date & Time: 5/6/22@11:30
PRINT NAME: Heather Bondiek SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Released By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

Received By: _____ Date & Time:
PRINT NAME: SAMPLE CONDITION: AMBIENT / REFRIGERATED

# L1500323 relog

R3/R4/RX/EX

The following were supposed to be logged for the following-- please relog with EX due 6/30.

L1500323-03: STLC ASICP
L1500323-06: STLC ASICP, BAICP, PBICP
L1500323-12: STLC PBICP
L1500323-18: STLC ASICP
L1500323-21: STLC PBICP
L1500323-24: STLC ASICP
L1500323-27: STLC PBICP
L1500323-32: STLC ASICP
L1500323-35: STLC PBICP

**Time estimate:** oh

**Time spent:** oh

**Members**

KM Kelly Mercer

1_1492

Date of Report: 06/02/2022

Harrison Hucks

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

| | |
|---|---|
| Client Project: | 113 Lincoln Street - 2T158 |
| BCL Project: | Air Samples |
| BCL Work Order: | 2210904 |
| Invoice ID: | B449247, B450235 |

Enclosed are the results of analyses for samples received by the laboratory on 5/9/2022. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supercedes Report ID 1001308422

Sincerely,

Contact Person: Brianna Schutte
Client Services Rep

Stuart Buttram
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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Pace ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

# Air Chain of Custody Form

RUSH!

Page 1 of 1

Report To:
Client: Weber, Hayes and Associates
Attn: harrison@weber-hayes.com
Street Address: 120 Westgate Drive
City, State, Zip: Watsonville, CA, 95076
Phone: 831-722-3580 Fax:
Email: harrison@weber-hayes.com
Work Order #: 22-10904

Project #: 2T158
Project Name: 113 Lincoln Street
Sampler(s): (Print) Harrison Hucks

Analysis Requested: Vol's TO-15

Comments: "Agency threshold limits require that the soil vapor (or subslab) samples are not diluted"

DATA PACKAGE: ☐ Yes ☐ No (If "Yes", Select one) ☐ III ☐ IV

UNITS (select one): ☐ ppbv ☒ µg/m3

| Sample # | Sample ID | Field ID / Point Of Collection | Date Sampled | Time Sampled | Vol's TO-15 | Air Type: Soil Vapor (SV) Ambient (A) | Sampling Equipment: Initial Pressure (“Hg) | Sampling Equipment: Canister ID # | Sampling Equipment: Flow Controller ID # | Start Sampling Information: Time | Start Sampling Information: Canister Pressure (“Hg) | Stop Sampling Information: Time | Stop Sampling Information: Canister Pressure (“Hg) | Lab Received Pressure (psia) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | SV-1 | | 5/6/22 | 1122 | X | SV | 30 | 6020 | 1254, 1180 | 1115 | 30 | 1122 | 4.5 | | |
| -2 | SV-2 | | | 1146 | X | | | 2649 | 1076 1099 | 1140 | 30 | 1146 | 4 | | |
| -3 | SV-3 | | | 1208 | X | | | 6026 | 1140, 1210 | 1202 | 30 | 1208 | 5 | | |
| -4 | SV-4 | | | 1241 | X | | | 10391 | 1247 1265 | 1235 | 30 | 1241 | 5 | | |
| -5 | SV-5 | | | 1314 | X | | | 10528 | 1022 1114 | 1308 | 30 | 1314 | 5 | | |
| -6 | SV-6 | | | 1340 | X | | | 1531 | 1105 1153 | 1334 | 30 | 1340 | 4.5 | | |
| -7 | SV-7 | | | 1411 | X | | | 2853 | 1261 1264 | 1405 | 30 | 1411 | 3.5 | | |
| -8 | SV-8 | | | 1502 | X | | | 2370 | 1260 | 1456 | 30 | 1502 | 5 | | |
| -9 | SV-9 | | | 1551 | X | | | 1134 | 1259 1269 | 1545 | 30 | 1551 | 4 | | |

CHK BY: MG
DISTRIBUTION: AIR
SUB OUT ☐

**Billing** ☑ Same as above
Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request **Surcharge: ☐ STD (10 Days) ☒ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

| | Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|---|
| 1. | (Harrison Hucks) | 5/6/22 | 1700 | PACE/BCL | 5/6/22 | 1700 |
| 2. | PACE/BCL | 5/9/22 | 1401 | | 5-9-22 | 1401 |
| 3. | | 5-9-22 | 1830 | | 5.9.22 | 18:30 |

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

REL. 5.9.22 2200

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**Chain of Custody and Cooler Receipt Form for 2210904 Page 2 of 2**

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 221090 4

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐<br>BC Lab Field Service ☑ Other ☐ (Specify)_____ | Ice Chest ☐ None ☐ Box ☑<br>Other ☐ (Specify)_____ | YES ☐ NO ☑<br>W / S |

Refrigerant: Ice ☐ Blue Ice ☐ None ☑ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) Temp °C

Date/Time 5/9/22

Analyst Init ECI 2200

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | | | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | A | A | A | A | A | A | A | A | A | |

Comments:

Sample Numbering Completed By: ECI Date/Time: 5/10/22 0045

A = Actual / C = Corrected

Rev 22 04/13/21

(S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 22)

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| | |
|---|---|
| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2210904-01** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 11:22 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-1 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-02** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 11:46 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-2 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-03** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 12:08 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-3 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-04** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 12:41 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-4 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-05** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 13:14 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-5 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-06** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 13:40 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-6 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-07** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 14:11 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-7 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |

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| | |
|---|---|
| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2210904-08** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 15:02 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-8 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |
| **2210904-09** | **COC Number:** | --- | **Receive Date:** | 05/09/2022 22:00 |
| | **Project Number:** | --- | **Sampling Date:** | 05/06/2022 15:51 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SV-9 | **Lab Matrix:** | Air |
| | **Sampled By:** | --- | **Sample Type:** | Vapor or Air |

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|---|---|
| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-01 | **Client Sample Name:** SV-1, 5/6/2022 11:22:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **46** | **ug/m3** | **8.2** | **0.71** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **4.1** | **ug/m3** | **3.3** | **0.34** | **EPA-TO-15** | ND | **A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 16 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 16 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.3 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.3 | 0.36 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **0.75** | **ug/m3** | **3.3** | **0.31** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.3 | 0.87 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 8.2 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 3.3 | 0.34 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **51** | **ug/m3** | **3.3** | **0.62** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 8.2 | 0.71 | EPA-TO-15 | ND | A01 | 1 |
| **1,2-Dibromoethane** | **60** | **ug/m3** | **8.2** | **0.95** | **EPA-TO-15** | ND | **A01** | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.2** | **ug/m3** | **8.2** | **0.74** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.2 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| **1,2-Dichloroethane** | **15** | **ug/m3** | **8.2** | **0.43** | **EPA-TO-15** | ND | **A01** | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.2 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.2 | 3.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |

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Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-01 | **Client Sample Name:** SV-1, 5/6/2022 11:22:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Ethanol** | **18** | **ug/m3** | **3.3** | **0.69** | **EPA-TO-15** | ND | **A01** | 1 |
| Ethyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| **Ethylbenzene** | **11** | **ug/m3** | **8.2** | **0.52** | **EPA-TO-15** | ND | **A01** | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| n-Heptane | ND | ug/m3 | 3.3 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 16 | 2.5 | EPA-TO-15 | ND | A01 | 1 |
| Hexane | ND | ug/m3 | 8.2 | 0.33 | EPA-TO-15 | ND | A01 | 1 |
| 2-Hexanone | ND | ug/m3 | 8.2 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **5.7** | **ug/m3** | **3.3** | **0.52** | **EPA-TO-15** | ND | **A01** | 1 |
| Methylene chloride | ND | ug/m3 | 16 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **9.5** | **ug/m3** | **3.3** | **0.31** | **EPA-TO-15** | ND | **A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| Propylene | ND | ug/m3 | 3.3 | 0.41 | EPA-TO-15 | ND | A01 | 1 |
| Styrene | ND | ug/m3 | 8.2 | 0.39 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 8.2 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **5.6** | **ug/m3** | **3.3** | **0.82** | **EPA-TO-15** | ND | **A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **9.7** | **ug/m3** | **3.3** | **0.44** | **EPA-TO-15** | ND | **A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 16 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 8.2 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.2 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| Trichloroethene | ND | ug/m3 | 3.3 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| **Trichlorofluoromethane** | **1.3** | **ug/m3** | **8.2** | **0.77** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.2 | 0.90 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.3 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **31** | **ug/m3** | **8.2** | **1.0** | **EPA-TO-15** | ND | **A01** | 1 |
| **o-Xylene** | **14** | **ug/m3** | **8.2** | **0.49** | **EPA-TO-15** | ND | **A01** | 1 |
| **Total Xylenes** | **45** | **ug/m3** | **16** | **1.5** | **EPA-TO-15** | ND | **A01** | 1 |
| **TPH - Gasoline** | **650** | **ug/m3** | **330** | **34** | **EPA-TO-15** | ND | **A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-01 | **Client Sample Name:** SV-1, 5/6/2022 11:22:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 98.5 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 98.5 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/18/22 22:03 | BEP | MS-A1 | 1.640 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-02 | **Client Sample Name:** SV-2, 5/6/2022 11:46:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Acetone | ND | ug/m3 | 1600 | 140 | EPA-TO-15 | ND | A01 | 1 |
| Acrylonitrile | ND | ug/m3 | 630 | 85 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 630 | 88 | EPA-TO-15 | ND | A01 | 1 |
| Benzene | ND | ug/m3 | 630 | 66 | EPA-TO-15 | ND | A01 | 1 |
| Benzyl chloride | ND | ug/m3 | 3100 | 82 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 1600 | 140 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 3100 | 270 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 630 | 150 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 630 | 69 | EPA-TO-15 | ND | A01 | 1 |
| Carbon disulfide | ND | ug/m3 | 630 | 60 | EPA-TO-15 | ND | A01 | 1 |
| Carbon tetrachloride | ND | ug/m3 | 1600 | 140 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 1600 | 130 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 630 | 170 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 1600 | 170 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 630 | 66 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **350** | **ug/m3** | **630** | **120** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 1600 | 140 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 1600 | 180 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 1600 | 160 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 1600 | 97 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 1600 | 160 | EPA-TO-15 | ND | A01 | 1 |
| Dichlorodifluoromethane | ND | ug/m3 | 1600 | 140 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 1600 | 72 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 1600 | 82 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 1600 | 97 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 630 | 100 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 630 | 85 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 1600 | 100 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 1600 | 94 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 1600 | 130 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 1600 | 290 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 1600 | 630 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 630 | 100 | EPA-TO-15 | ND | A01 | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-02 | **Client Sample Name:** SV-2, 5/6/2022 11:46:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Ethanol | ND | ug/m3 | 630 | 130 | EPA-TO-15 | ND | A01 | 1 |
| Ethyl acetate | ND | ug/m3 | 630 | 100 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 1600 | 100 | EPA-TO-15 | ND | A01 | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 1600 | 94 | EPA-TO-15 | ND | A01 | 1 |
| n-Heptane | ND | ug/m3 | 630 | 110 | EPA-TO-15 | ND | A01 | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 3100 | 470 | EPA-TO-15 | ND | A01 | 1 |
| Hexane | ND | ug/m3 | 1600 | 63 | EPA-TO-15 | ND | A01 | 1 |
| 2-Hexanone | ND | ug/m3 | 1600 | 91 | EPA-TO-15 | ND | A01 | 1 |
| Isopropyl alcohol | ND | ug/m3 | 630 | 100 | EPA-TO-15 | ND | A01 | 1 |
| Methylene chloride | ND | ug/m3 | 3100 | 130 | EPA-TO-15 | ND | A01 | 1 |
| Methyl ethyl ketone | ND | ug/m3 | 630 | 60 | EPA-TO-15 | ND | A01 | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 1600 | 82 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 630 | 88 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **110** | **ug/m3** | **630** | **78** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Styrene | ND | ug/m3 | 1600 | 75 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 1600 | 150 | EPA-TO-15 | ND | A01 | 1 |
| Tetrachloroethene | ND | ug/m3 | 630 | 160 | EPA-TO-15 | ND | A01 | 1 |
| Tetrahydrofuran | ND | ug/m3 | 630 | 85 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **160** | **ug/m3** | **630** | **85** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 3100 | 260 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 1600 | 120 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 1600 | 190 | EPA-TO-15 | ND | A01 | 1 |
| Trichloroethene | ND | ug/m3 | 630 | 170 | EPA-TO-15 | ND | A01 | 1 |
| Trichlorofluoromethane | ND | ug/m3 | 1600 | 150 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 1600 | 170 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 1600 | 130 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 1600 | 130 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 630 | 100 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 630 | 120 | EPA-TO-15 | ND | A01 | 1 |
| p- & m-Xylenes | ND | ug/m3 | 1600 | 190 | EPA-TO-15 | ND | A01 | 1 |
| o-Xylene | ND | ug/m3 | 1600 | 94 | EPA-TO-15 | ND | A01 | 1 |
| Total Xylenes | ND | ug/m3 | 3100 | 290 | EPA-TO-15 | ND | A01 | 1 |
| **TPH - Gasoline** | **100000000** | **ug/m3** | **63000** | **6600** | **EPA-TO-15** | ND | **A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-02 | **Client Sample Name:** SV-2, 5/6/2022 11:46:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 95.8 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.8 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 10:17 | BEP | MS-A1 | 314 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-03 | **Client Sample Name:** SV-3, 5/6/2022 12:08:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **68** | **ug/m3** | **8.0** | **0.68** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.2 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **0.86** | **ug/m3** | **3.2** | **0.33** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 16 | 0.41 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.0 | 0.72 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 16 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.2 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.2 | 0.35 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **0.79** | **ug/m3** | **3.2** | **0.30** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.0 | 0.72 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.2 | 0.84 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 8.0 | 0.86 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 3.2 | 0.33 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **53** | **ug/m3** | **3.2** | **0.60** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 8.0 | 0.68 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 8.0 | 0.92 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.6** | **ug/m3** | **8.0** | **0.72** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.0 | 0.37 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 8.0 | 0.41 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.0 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.0 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.0 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.0 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.0 | 3.2 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |

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120 Westgate Drive
Watsonville, CA 95076

**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-03 | **Client Sample Name:** SV-3, 5/6/2022 12:08:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Ethanol** | **2.4** | **ug/m3** | **3.2** | **0.67** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Ethyl acetate | ND | ug/m3 | 3.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 8.0 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| **1-Ethyl-4-methylbenzene** | **0.96** | **ug/m3** | **8.0** | **0.48** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **n-Heptane** | **0.78** | **ug/m3** | **3.2** | **0.54** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 16 | 2.4 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **0.82** | **ug/m3** | **8.0** | **0.32** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 8.0 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **13** | **ug/m3** | **3.2** | **0.51** | **EPA-TO-15** | ND | **A01** | 1 |
| Methylene chloride | ND | ug/m3 | 16 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **3.7** | **ug/m3** | **3.2** | **0.30** | **EPA-TO-15** | ND | **A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.0 | 0.41 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.2 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| Propylene | ND | ug/m3 | 3.2 | 0.40 | EPA-TO-15 | ND | A01 | 1 |
| Styrene | ND | ug/m3 | 8.0 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 8.0 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **9.8** | **ug/m3** | **3.2** | **0.80** | **EPA-TO-15** | ND | **A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **3.0** | **ug/m3** | **3.2** | **0.43** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 16 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 8.0 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.0 | 0.97 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **0.86** | **ug/m3** | **3.2** | **0.86** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Trichlorofluoromethane** | **1.4** | **ug/m3** | **8.0** | **0.75** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.0 | 0.87 | EPA-TO-15 | ND | A01 | 1 |
| **1,2,4-Trimethylbenzene** | **1.9** | **ug/m3** | **8.0** | **0.64** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.2 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **2.7** | **ug/m3** | **8.0** | **0.97** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **o-Xylene** | **1.1** | **ug/m3** | **8.0** | **0.48** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Total Xylenes** | **3.8** | **ug/m3** | **16** | **1.4** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **TPH - Gasoline** | **980** | **ug/m3** | **320** | **33** | **EPA-TO-15** | ND | **A01** | 1 |

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| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-03 | **Client Sample Name:** SV-3, 5/6/2022 12:08:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 94.1 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 94.1 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/18/22 22:38 | BEP | MS-A1 | 1.590 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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120 Westgate Drive
Watsonville, CA 95076

**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-04 | **Client Sample Name:** SV-4, 5/6/2022 12:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **49** | **ug/m3** | **8.2** | **0.71** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **2.2** | **ug/m3** | **3.3** | **0.34** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 16 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 16 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.3 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.3 | 0.36 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **2.0** | **ug/m3** | **3.3** | **0.31** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.3 | 0.87 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 8.2 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 3.3 | 0.34 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **98** | **ug/m3** | **3.3** | **0.62** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 8.2 | 0.71 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 8.2 | 0.95 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.5** | **ug/m3** | **8.2** | **0.74** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.2 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 8.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.2 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.2 | 3.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |

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Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-04 | **Client Sample Name:** SV-4, 5/6/2022 12:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Ethanol** | **1.2** | **ug/m3** | **3.3** | **0.69** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Ethyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| **Ethylbenzene** | **0.95** | **ug/m3** | **8.2** | **0.52** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| **n-Heptane** | **1.3** | **ug/m3** | **3.3** | **0.56** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 16 | 2.5 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **1.7** | **ug/m3** | **8.2** | **0.33** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 8.2 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **10** | **ug/m3** | **3.3** | **0.52** | **EPA-TO-15** | ND | **A01** | 1 |
| Methylene chloride | ND | ug/m3 | 16 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **6.7** | **ug/m3** | **3.3** | **0.31** | **EPA-TO-15** | ND | **A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **11** | **ug/m3** | **3.3** | **0.41** | **EPA-TO-15** | ND | **A01** | 1 |
| Styrene | ND | ug/m3 | 8.2 | 0.39 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 8.2 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **4.6** | **ug/m3** | **3.3** | **0.82** | **EPA-TO-15** | ND | **A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **3.4** | **ug/m3** | **3.3** | **0.44** | **EPA-TO-15** | ND | **A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 16 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 8.2 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.2 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **2.2** | **ug/m3** | **3.3** | **0.89** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Trichlorofluoromethane** | **1.4** | **ug/m3** | **8.2** | **0.77** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.2 | 0.90 | EPA-TO-15 | ND | A01 | 1 |
| **1,2,4-Trimethylbenzene** | **1.2** | **ug/m3** | **8.2** | **0.66** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.3 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **4.0** | **ug/m3** | **8.2** | **1.0** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **o-Xylene** | **1.5** | **ug/m3** | **8.2** | **0.49** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Total Xylenes** | **5.5** | **ug/m3** | **16** | **1.5** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **TPH - Gasoline** | **3700** | **ug/m3** | **330** | **34** | **EPA-TO-15** | ND | **A01** | 1 |

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| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-04 | **Client Sample Name:** SV-4, 5/6/2022 12:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 95.9 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.9 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/18/22 23:13 | BEP | MS-A1 | 1.640 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-05 | **Client Sample Name:** SV-5, 5/6/2022 1:14:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **21** | **ug/m3** | **10** | **0.86** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 4.0 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 4.0 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **3.0** | **ug/m3** | **4.0** | **0.42** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 20 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 10 | 0.90 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 20 | 1.7 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 4.0 | 0.94 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 4.0 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **2.6** | **ug/m3** | **4.0** | **0.38** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 10 | 0.90 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 10 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 4.0 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 10 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 4.0 | 0.42 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **290** | **ug/m3** | **4.0** | **0.76** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 10 | 0.86 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 10 | 1.2 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 10 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 10 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 10 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.4** | **ug/m3** | **10** | **0.90** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 10 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 10 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 10 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 4.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 4.0 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 10 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 10 | 0.60 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 10 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 10 | 1.8 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 10 | 4.0 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 4.0 | 0.66 | EPA-TO-15 | ND | A01 | 1 |

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-05 | **Client Sample Name:** SV-5, 5/6/2022 1:14:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Ethanol | ND | ug/m3 | 4.0 | 0.84 | EPA-TO-15 | ND | A01 | 1 |
| Ethyl acetate | ND | ug/m3 | 4.0 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 10 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 10 | 0.60 | EPA-TO-15 | ND | A01 | 1 |
| **n-Heptane** | **2.6** | **ug/m3** | **4.0** | **0.68** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 20 | 3.0 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **3.7** | **ug/m3** | **10** | **0.40** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 10 | 0.58 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **2.3** | **ug/m3** | **4.0** | **0.64** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methylene chloride | ND | ug/m3 | 20 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **4.9** | **ug/m3** | **4.0** | **0.38** | **EPA-TO-15** | ND | **A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 10 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 4.0 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **4.4** | **ug/m3** | **4.0** | **0.50** | **EPA-TO-15** | ND | **A01** | 1 |
| Styrene | ND | ug/m3 | 10 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 10 | 0.94 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **2.9** | **ug/m3** | **4.0** | **1.0** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 4.0 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **3.8** | **ug/m3** | **4.0** | **0.54** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 20 | 1.6 | EPA-TO-15 | ND | A01 | 1 |
| **1,1,1-Trichloroethane** | **2.0** | **ug/m3** | **10** | **0.78** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 10 | 1.2 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **9.6** | **ug/m3** | **4.0** | **1.1** | **EPA-TO-15** | ND | **A01** | 1 |
| **Trichlorofluoromethane** | **1.5** | **ug/m3** | **10** | **0.94** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 10 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 10 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 10 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 4.0 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 4.0 | 0.78 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **1.8** | **ug/m3** | **10** | **1.2** | **EPA-TO-15** | ND | **J,A01** | 1 |
| o-Xylene | ND | ug/m3 | 10 | 0.60 | EPA-TO-15 | ND | A01 | 1 |
| **Total Xylenes** | **1.8** | **ug/m3** | **20** | **1.8** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **TPH - Gasoline** | **1100** | **ug/m3** | **400** | **42** | **EPA-TO-15** | ND | **A01** | 1 |

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| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-05 | **Client Sample Name:** SV-5, 5/6/2022 1:14:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 94.6 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 94.6 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 09:11 | BEP | MS-A1 | 2.010 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-06 | **Client Sample Name:** SV-6, 5/6/2022 1:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **13** | **ug/m3** | **10** | **0.89** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 4.2 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 4.2 | 0.58 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **0.71** | **ug/m3** | **4.2** | **0.44** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 21 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 10 | 0.94 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 21 | 1.8 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 4.2 | 0.98 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 4.2 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| Carbon disulfide | ND | ug/m3 | 4.2 | 0.40 | EPA-TO-15 | ND | A01 | 1 |
| Carbon tetrachloride | ND | ug/m3 | 10 | 0.94 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 10 | 0.83 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 4.2 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 10 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 4.2 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **11** | **ug/m3** | **4.2** | **0.79** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 10 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 10 | 1.2 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 10 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 10 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 10 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.6** | **ug/m3** | **10** | **0.94** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 10 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 10 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 10 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 4.2 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 4.2 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 10 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 10 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 10 | 0.83 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 10 | 1.9 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 10 | 4.2 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 4.2 | 0.69 | EPA-TO-15 | ND | A01 | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-06 | **Client Sample Name:** SV-6, 5/6/2022 1:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Ethanol | ND | ug/m3 | 4.2 | 0.87 | EPA-TO-15 | ND | A01 | 1 |
| Ethyl acetate | ND | ug/m3 | 4.2 | 0.69 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 10 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 10 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| n-Heptane | ND | ug/m3 | 4.2 | 0.71 | EPA-TO-15 | ND | A01 | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 21 | 3.1 | EPA-TO-15 | ND | A01 | 1 |
| Hexane | ND | ug/m3 | 10 | 0.42 | EPA-TO-15 | ND | A01 | 1 |
| 2-Hexanone | ND | ug/m3 | 10 | 0.60 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **2.5** | **ug/m3** | **4.2** | **0.67** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methylene chloride | ND | ug/m3 | 21 | 0.83 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **3.4** | **ug/m3** | **4.2** | **0.40** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 10 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 4.2 | 0.58 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **4.2** | **ug/m3** | **4.2** | **0.52** | **EPA-TO-15** | ND | **A01** | 1 |
| Styrene | ND | ug/m3 | 10 | 0.50 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 10 | 0.98 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **8.4** | **ug/m3** | **4.2** | **1.0** | **EPA-TO-15** | ND | **A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 4.2 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **1.3** | **ug/m3** | **4.2** | **0.56** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 21 | 1.7 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 10 | 0.81 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 10 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| Trichloroethene | ND | ug/m3 | 4.2 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| **Trichlorofluoromethane** | **1.4** | **ug/m3** | **10** | **0.98** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 10 | 1.1 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 10 | 0.83 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 10 | 0.83 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 4.2 | 0.69 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 4.2 | 0.81 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **1.8** | **ug/m3** | **10** | **1.3** | **EPA-TO-15** | ND | **J,A01** | 1 |
| o-Xylene | ND | ug/m3 | 10 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| Total Xylenes | ND | ug/m3 | 21 | 1.9 | EPA-TO-15 | ND | A01 | 1 |
| **TPH - Gasoline** | **190** | **ug/m3** | **420** | **44** | **EPA-TO-15** | ND | **J,A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-06 | **Client Sample Name:** SV-6, 5/6/2022 1:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 95.4 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.4 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 09:46 | BEP | MS-A1 | 2.080 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-07 | **Client Sample Name:** SV-7, 5/6/2022 2:11:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **5.7** | **ug/m3** | **8.0** | **0.69** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.2 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **1.4** | **ug/m3** | **3.2** | **0.34** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 16 | 0.42 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.0 | 0.72 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 16 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.2 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.2 | 0.35 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **2.2** | **ug/m3** | **3.2** | **0.30** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.0 | 0.72 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.2 | 0.85 | EPA-TO-15 | ND | A01 | 1 |
| **Chloroform** | **0.88** | **ug/m3** | **8.0** | **0.86** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Chloromethane | ND | ug/m3 | 3.2 | 0.34 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **360** | **ug/m3** | **32** | **6.1** | **EPA-TO-15** | ND | **A01** | 2 |
| Dibromochloromethane | ND | ug/m3 | 8.0 | 0.69 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 8.0 | 0.93 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.50 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.0 | 0.80 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.5** | **ug/m3** | **8.0** | **0.72** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.0 | 0.37 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 8.0 | 0.42 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.0 | 0.50 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.0 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.0 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.0 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.0 | 3.2 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.2 | 0.53 | EPA-TO-15 | ND | A01 | 1 |

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Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-07 | **Client Sample Name:** SV-7, 5/6/2022 2:11:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Ethanol** | **1.4** | **ug/m3** | **3.2** | **0.67** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Ethyl acetate | ND | ug/m3 | 3.2 | 0.53 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 8.0 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 8.0 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| **n-Heptane** | **1.6** | **ug/m3** | **3.2** | **0.54** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 16 | 2.4 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **3.9** | **ug/m3** | **8.0** | **0.32** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 8.0 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **2.9** | **ug/m3** | **3.2** | **0.51** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methylene chloride | ND | ug/m3 | 16 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **1.2** | **ug/m3** | **3.2** | **0.30** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.0 | 0.42 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.2 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **8.9** | **ug/m3** | **3.2** | **0.40** | **EPA-TO-15** | ND | **A01** | 1 |
| Styrene | ND | ug/m3 | 8.0 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 8.0 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **29** | **ug/m3** | **3.2** | **0.80** | **EPA-TO-15** | ND | **A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 3.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **3.1** | **ug/m3** | **3.2** | **0.43** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 16 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,1-Trichloroethane | ND | ug/m3 | 8.0 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.0 | 0.98 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **6.0** | **ug/m3** | **3.2** | **0.86** | **EPA-TO-15** | ND | **A01** | 1 |
| **Trichlorofluoromethane** | **3.9** | **ug/m3** | **8.0** | **0.75** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.0 | 0.88 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.0 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.2 | 0.53 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.2 | 0.62 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **1.3** | **ug/m3** | **8.0** | **0.98** | **EPA-TO-15** | ND | **J,A01** | 1 |
| o-Xylene | ND | ug/m3 | 8.0 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| Total Xylenes | ND | ug/m3 | 16 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| **TPH - Gasoline** | **900** | **ug/m3** | **320** | **34** | **EPA-TO-15** | ND | **A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-07 | **Client Sample Name:** SV-7, 5/6/2022 2:11:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 94.6 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 94.6 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 2 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 00:57 | BEP | MS-A1 | 1.600 | B139975 | EPA TO-15 |
| 2 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 10:45 | BEP | MS-A1 | 16 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-08 | **Client Sample Name:** SV-8, 5/6/2022 3:02:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **7.3** | **ug/m3** | **8.2** | **0.71** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **0.86** | **ug/m3** | **3.3** | **0.34** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 16 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 16 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.3 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.3 | 0.36 | EPA-TO-15 | ND | A01 | 1 |
| Carbon disulfide | ND | ug/m3 | 3.3 | 0.31 | EPA-TO-15 | ND | A01 | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.2 | 0.74 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.3 | 0.87 | EPA-TO-15 | ND | A01 | 1 |
| Chloroform | ND | ug/m3 | 8.2 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| Chloromethane | ND | ug/m3 | 3.3 | 0.34 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **55** | **ug/m3** | **3.3** | **0.62** | **EPA-TO-15** | ND | **A01** | 1 |
| Dibromochloromethane | ND | ug/m3 | 8.2 | 0.71 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 8.2 | 0.95 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.2 | 0.82 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.2** | **ug/m3** | **8.2** | **0.74** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.2 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 8.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.2 | 0.51 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.2 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.2 | 3.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-08 | **Client Sample Name:** SV-8, 5/6/2022 3:02:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Ethanol | ND | ug/m3 | 3.3 | 0.69 | EPA-TO-15 | ND | A01 | 1 |
| Ethyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Ethylbenzene | ND | ug/m3 | 8.2 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 8.2 | 0.49 | EPA-TO-15 | ND | A01 | 1 |
| n-Heptane | ND | ug/m3 | 3.3 | 0.56 | EPA-TO-15 | ND | A01 | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 16 | 2.5 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **0.61** | **ug/m3** | **8.2** | **0.33** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 8.2 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **53** | **ug/m3** | **3.3** | **0.52** | **EPA-TO-15** | ND | **A01** | 1 |
| Methylene chloride | ND | ug/m3 | 16 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **1.3** | **ug/m3** | **3.3** | **0.31** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.2 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.3 | 0.46 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **1.3** | **ug/m3** | **3.3** | **0.41** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Styrene | ND | ug/m3 | 8.2 | 0.39 | EPA-TO-15 | ND | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 8.2 | 0.77 | EPA-TO-15 | ND | A01 | 1 |
| **Tetrachloroethene** | **2.1** | **ug/m3** | **3.3** | **0.82** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Tetrahydrofuran | ND | ug/m3 | 3.3 | 0.44 | EPA-TO-15 | ND | A01 | 1 |
| **Toluene** | **2.5** | **ug/m3** | **3.3** | **0.44** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 16 | 1.3 | EPA-TO-15 | ND | A01 | 1 |
| **1,1,1-Trichloroethane** | **0.96** | **ug/m3** | **8.2** | **0.64** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.2 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **5.0** | **ug/m3** | **3.3** | **0.89** | **EPA-TO-15** | ND | **A01** | 1 |
| **Trichlorofluoromethane** | **1.3** | **ug/m3** | **8.2** | **0.77** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.2 | 0.90 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.2 | 0.66 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.3 | 0.54 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.3 | 0.64 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **2.7** | **ug/m3** | **8.2** | **1.0** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **o-Xylene** | **1.1** | **ug/m3** | **8.2** | **0.49** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Total Xylenes** | **3.8** | **ug/m3** | **16** | **1.5** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **TPH - Gasoline** | **1100** | **ug/m3** | **330** | **34** | **EPA-TO-15** | ND | **A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-08 | **Client Sample Name:** SV-8, 5/6/2022 3:02:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 95.9 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.9 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 01:32 | BEP | MS-A1 | 1.640 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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**Reported:** 06/02/2022 11:10
Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-09 | **Client Sample Name:** SV-9, 5/6/2022 3:51:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **34** | **ug/m3** | **8.4** | **0.72** | **EPA-TO-15** | ND | **A01** | 1 |
| Acrylonitrile | ND | ug/m3 | 3.3 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| Allyl chloride | ND | ug/m3 | 3.3 | 0.47 | EPA-TO-15 | ND | A01 | 1 |
| **Benzene** | **4.8** | **ug/m3** | **3.3** | **0.35** | **EPA-TO-15** | ND | **A01** | 1 |
| Benzyl chloride | ND | ug/m3 | 17 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Bromodichloromethane | ND | ug/m3 | 8.4 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| Bromoform | ND | ug/m3 | 17 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| Bromomethane | ND | ug/m3 | 3.3 | 0.78 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Butadiene | ND | ug/m3 | 3.3 | 0.37 | EPA-TO-15 | ND | A01 | 1 |
| **Carbon disulfide** | **5.0** | **ug/m3** | **3.3** | **0.32** | **EPA-TO-15** | ND | **A01** | 1 |
| Carbon tetrachloride | ND | ug/m3 | 8.4 | 0.75 | EPA-TO-15 | ND | A01 | 1 |
| Chlorobenzene | ND | ug/m3 | 8.4 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| Chloroethane | ND | ug/m3 | 3.3 | 0.89 | EPA-TO-15 | ND | A01 | 1 |
| **Chloroform** | **8.4** | **ug/m3** | **8.4** | **0.90** | **EPA-TO-15** | ND | **A01** | 1 |
| Chloromethane | ND | ug/m3 | 3.3 | 0.35 | EPA-TO-15 | ND | A01 | 1 |
| **Cyclohexane** | **420** | **ug/m3** | **67** | **13** | **EPA-TO-15** | ND | **A01** | 2 |
| Dibromochloromethane | ND | ug/m3 | 8.4 | 0.72 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dibromoethane | ND | ug/m3 | 8.4 | 0.97 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichlorobenzene | ND | ug/m3 | 8.4 | 0.84 | EPA-TO-15 | ND | A01 | 1 |
| 1,3-Dichlorobenzene | ND | ug/m3 | 8.4 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dichlorobenzene | ND | ug/m3 | 8.4 | 0.84 | EPA-TO-15 | ND | A01 | 1 |
| **Dichlorodifluoromethane** | **2.2** | **ug/m3** | **8.4** | **0.75** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1-Dichloroethane | ND | ug/m3 | 8.4 | 0.38 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloroethane | ND | ug/m3 | 8.4 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Dichloroethene | ND | ug/m3 | 8.4 | 0.52 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.53 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,2-Dichloroethene | ND | ug/m3 | 3.3 | 0.45 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloropropane | ND | ug/m3 | 8.4 | 0.53 | EPA-TO-15 | ND | A01 | 1 |
| cis-1,3-Dichloropropene | ND | ug/m3 | 8.4 | 0.50 | EPA-TO-15 | ND | A01 | 1 |
| trans-1,3-Dichloropropene | ND | ug/m3 | 8.4 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ug/m3 | 8.4 | 1.5 | EPA-TO-15 | ND | A01 | 1 |
| 1,1-Difluoroethane | ND | ug/m3 | 8.4 | 3.3 | EPA-TO-15 | ND | A01 | 1 |
| 1,4-Dioxane | ND | ug/m3 | 3.3 | 0.55 | EPA-TO-15 | ND | A01 | 1 |

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Project: Air Samples
Project Number: 113 Lincoln Street - 2T158
Project Manager: Harrison Hucks

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-09 | **Client Sample Name:** SV-9, 5/6/2022 3:51:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| **Ethanol** | **10** | **ug/m3** | **3.3** | **0.70** | **EPA-TO-15** | ND | **A01** | 1 |
| Ethyl acetate | ND | ug/m3 | 3.3 | 0.55 | EPA-TO-15 | ND | A01 | 1 |
| **Ethylbenzene** | **1.0** | **ug/m3** | **8.4** | **0.53** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1-Ethyl-4-methylbenzene | ND | ug/m3 | 8.4 | 0.50 | EPA-TO-15 | ND | A01 | 1 |
| **n-Heptane** | **3.7** | **ug/m3** | **3.3** | **0.57** | **EPA-TO-15** | ND | **A01** | 1 |
| Hexachlorobutadiene | ND | ug/m3 | 17 | 2.5 | EPA-TO-15 | ND | A01 | 1 |
| **Hexane** | **5.6** | **ug/m3** | **8.4** | **0.33** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 2-Hexanone | ND | ug/m3 | 8.4 | 0.48 | EPA-TO-15 | ND | A01 | 1 |
| **Isopropyl alcohol** | **2100** | **ug/m3** | **67** | **11** | **EPA-TO-15** | ND | **A01** | 2 |
| Methylene chloride | ND | ug/m3 | 17 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| **Methyl ethyl ketone** | **2.1** | **ug/m3** | **3.3** | **0.32** | **EPA-TO-15** | ND | **J,A01** | 1 |
| Methyl isobutyl ketone | ND | ug/m3 | 8.4 | 0.43 | EPA-TO-15 | ND | A01 | 1 |
| Methyl t-butyl ether | ND | ug/m3 | 3.3 | 0.47 | EPA-TO-15 | ND | A01 | 1 |
| **Propylene** | **19** | **ug/m3** | **3.3** | **0.42** | **EPA-TO-15** | ND | **A01** | 1 |
| **Styrene** | **1.1** | **ug/m3** | **8.4** | **0.40** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **1,1,2,2-Tetrachloroethane** | **1.1** | **ug/m3** | **8.4** | **0.78** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Tetrachloroethene** | **2.3** | **ug/m3** | **3.3** | **0.84** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Tetrahydrofuran** | **0.97** | **ug/m3** | **3.3** | **0.45** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Toluene** | **10** | **ug/m3** | **3.3** | **0.45** | **EPA-TO-15** | ND | **A01** | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 17 | 1.4 | EPA-TO-15 | ND | A01 | 1 |
| **1,1,1-Trichloroethane** | **6.0** | **ug/m3** | **8.4** | **0.65** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloroethane | ND | ug/m3 | 8.4 | 1.0 | EPA-TO-15 | ND | A01 | 1 |
| **Trichloroethene** | **30** | **ug/m3** | **3.3** | **0.90** | **EPA-TO-15** | ND | **A01** | 1 |
| **Trichlorofluoromethane** | **2.7** | **ug/m3** | **8.4** | **0.78** | **EPA-TO-15** | ND | **J,A01** | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/m3 | 8.4 | 0.92 | EPA-TO-15 | ND | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 8.4 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 8.4 | 0.67 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl acetate | ND | ug/m3 | 3.3 | 0.55 | EPA-TO-15 | ND | A01 | 1 |
| Vinyl chloride | ND | ug/m3 | 3.3 | 0.65 | EPA-TO-15 | ND | A01 | 1 |
| **p- & m-Xylenes** | **3.5** | **ug/m3** | **8.4** | **1.0** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **o-Xylene** | **1.2** | **ug/m3** | **8.4** | **0.50** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **Total Xylenes** | **4.6** | **ug/m3** | **17** | **1.5** | **EPA-TO-15** | ND | **J,A01** | 1 |
| **TPH - Gasoline** | **3200** | **ug/m3** | **330** | **35** | **EPA-TO-15** | ND | **A01** | 1 |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

**BCL Sample ID:** 2210904-09 | **Client Sample Name:** SV-9, 5/6/2022 3:51:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surrogate) | 95.3 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.3 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 95.4 | % | 70 - 130 (LCL - UCL) | | EPA-TO-15 | | | 2 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 02:06 | BEP | MS-A1 | 1.670 | B139975 | EPA TO-15 |
| 2 | EPA-TO-15 | 05/18/22 08:41 | 05/19/22 11:15 | BEP | MS-A1 | 33.400 | B139975 | EPA TO-15 |

DCN = Data Continuation Number

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|---|---|
| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: B139975** | | | | | | |
| Acetone | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.43 | |
| Acrylonitrile | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.27 | |
| Allyl chloride | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.28 | |
| Benzene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.21 | |
| Benzyl chloride | B139975-BLK1 | ND | ug/m3 | 10 | 0.26 | |
| Bromodichloromethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.45 | |
| Bromoform | B139975-BLK1 | ND | ug/m3 | 10 | 0.86 | |
| Bromomethane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.47 | |
| 1,3-Butadiene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.22 | |
| Carbon disulfide | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.19 | |
| Carbon tetrachloride | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.45 | |
| Chlorobenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.40 | |
| Chloroethane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.53 | |
| Chloroform | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.54 | |
| Chloromethane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.21 | |
| Cyclohexane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.38 | |
| Dibromochloromethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.43 | |
| 1,2-Dibromoethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.58 | |
| 1,2-Dichlorobenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.50 | |
| 1,3-Dichlorobenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.31 | |
| 1,4-Dichlorobenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.50 | |
| Dichlorodifluoromethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.45 | |
| 1,1-Dichloroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.23 | |
| 1,2-Dichloroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.26 | |
| 1,1-Dichloroethene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.31 | |
| cis-1,2-Dichloroethene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.32 | |
| trans-1,2-Dichloroethene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.27 | |
| 1,2-Dichloropropane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.32 | |
| cis-1,3-Dichloropropene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.30 | |
| trans-1,3-Dichloropropene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.40 | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.91 | |
| 1,1-Difluoroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 2.0 | |
| 1,4-Dioxane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.33 | |
| Ethanol | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.42 | |

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| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: B139975** | | | | | | |
| Ethyl acetate | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.33 | |
| Ethylbenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.32 | |
| 1-Ethyl-4-methylbenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.30 | |
| n-Heptane | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.34 | |
| Hexachlorobutadiene | B139975-BLK1 | ND | ug/m3 | 10 | 1.5 | |
| Hexane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.20 | |
| 2-Hexanone | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.29 | |
| Isopropyl alcohol | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.32 | |
| Methylene chloride | B139975-BLK1 | ND | ug/m3 | 10 | 0.40 | |
| Methyl ethyl ketone | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.19 | |
| Methyl isobutyl ketone | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.26 | |
| Methyl t-butyl ether | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.28 | |
| Propylene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.25 | |
| Styrene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.24 | |
| 1,1,2,2-Tetrachloroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.47 | |
| Tetrachloroethene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.50 | |
| Tetrahydrofuran | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.27 | |
| Toluene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.27 | |
| 1,2,4-Trichlorobenzene | B139975-BLK1 | ND | ug/m3 | 10 | 0.82 | |
| 1,1,1-Trichloroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.39 | |
| 1,1,2-Trichloroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.61 | |
| Trichloroethene | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.54 | |
| Trichlorofluoromethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.47 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.55 | |
| 1,2,4-Trimethylbenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.40 | |
| 1,3,5-Trimethylbenzene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.40 | |
| Vinyl acetate | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.33 | |
| Vinyl chloride | B139975-BLK1 | ND | ug/m3 | 2.0 | 0.39 | |
| p- & m-Xylenes | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.61 | |
| o-Xylene | B139975-BLK1 | ND | ug/m3 | 5.0 | 0.30 | |
| Total Xylenes | B139975-BLK1 | ND | ug/m3 | 10 | 0.91 | |
| TPH - Gasoline | B139975-BLK1 | ND | ug/m3 | 200 | 21 | |
| **4-Bromofluorobenzene (Surrogate)** | **B139975-BLK1** | **93.2** | % | **70 - 130 (LCL - UCL)** | | |

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# Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B139975** | | | | | | | | | | |
| Benzene | B139975-BS1 | LCS | 15.811 | 15.974 | ug/m3 | 99.0 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 15.629 | 15.974 | ug/m3 | 97.8 | 1.2 | 70 - 130 | 30 | |
| Chloroform | B139975-BS1 | LCS | 24.462 | 24.413 | ug/m3 | 100 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 24.227 | 24.413 | ug/m3 | 99.2 | 1.0 | 70 - 130 | 30 | |
| Ethylbenzene | B139975-BS1 | LCS | 21.893 | 21.711 | ug/m3 | 101 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 21.576 | 21.711 | ug/m3 | 99.4 | 1.5 | 70 - 130 | 30 | |
| Tetrachloroethene | B139975-BS1 | LCS | 33.919 | 33.913 | ug/m3 | 100 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 33.255 | 33.913 | ug/m3 | 98.1 | 2.0 | 70 - 130 | 30 | |
| Toluene | B139975-BS1 | LCS | 18.838 | 18.842 | ug/m3 | 100 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 18.669 | 18.842 | ug/m3 | 99.1 | 0.9 | 70 - 130 | 30 | |
| Trichloroethene | B139975-BS1 | LCS | 26.670 | 26.869 | ug/m3 | 99.3 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 26.476 | 26.869 | ug/m3 | 98.5 | 0.7 | 70 - 130 | 30 | |
| Trichlorofluoromethane | B139975-BS1 | LCS | 28.479 | 28.092 | ug/m3 | 101 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 28.176 | 28.092 | ug/m3 | 100 | 1.1 | 70 - 130 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | B139975-BS1 | LCS | 38.395 | 38.318 | ug/m3 | 100 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 37.858 | 38.318 | ug/m3 | 98.8 | 1.4 | 70 - 130 | 30 | |
| p- & m-Xylenes | B139975-BS1 | LCS | 44.051 | 43.421 | ug/m3 | 101 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 43.938 | 43.421 | ug/m3 | 101 | 0.3 | 70 - 130 | 30 | |
| o-Xylene | B139975-BS1 | LCS | 22.206 | 21.711 | ug/m3 | 102 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 21.989 | 21.711 | ug/m3 | 101 | 1.0 | 70 - 130 | 30 | |
| Total Xylenes | B139975-BS1 | LCS | 66.257 | 65.132 | ug/m3 | 102 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 65.927 | 65.132 | ug/m3 | 101 | 0.5 | 70 - 130 | 30 | |
| 4-Bromofluorobenzene (Surrogate) | B139975-BS1 | LCS | 73.2 | 71.6 | ug/m3 | 102 | | 70 - 130 | | |
| | B139975-BSD1 | LCSD | 73.0 | 71.6 | ug/m3 | 102 | 0.3 | 70 - 130 | | |

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|---|---|
| Weber, Hayes & Associates<br>120 Westgate Drive<br>Watsonville, CA 95076 | **Reported:** 06/02/2022 11:10<br>Project: Air Samples<br>Project Number: 113 Lincoln Street - 2T158<br>Project Manager: Harrison Hucks |

## Notes And Definitions

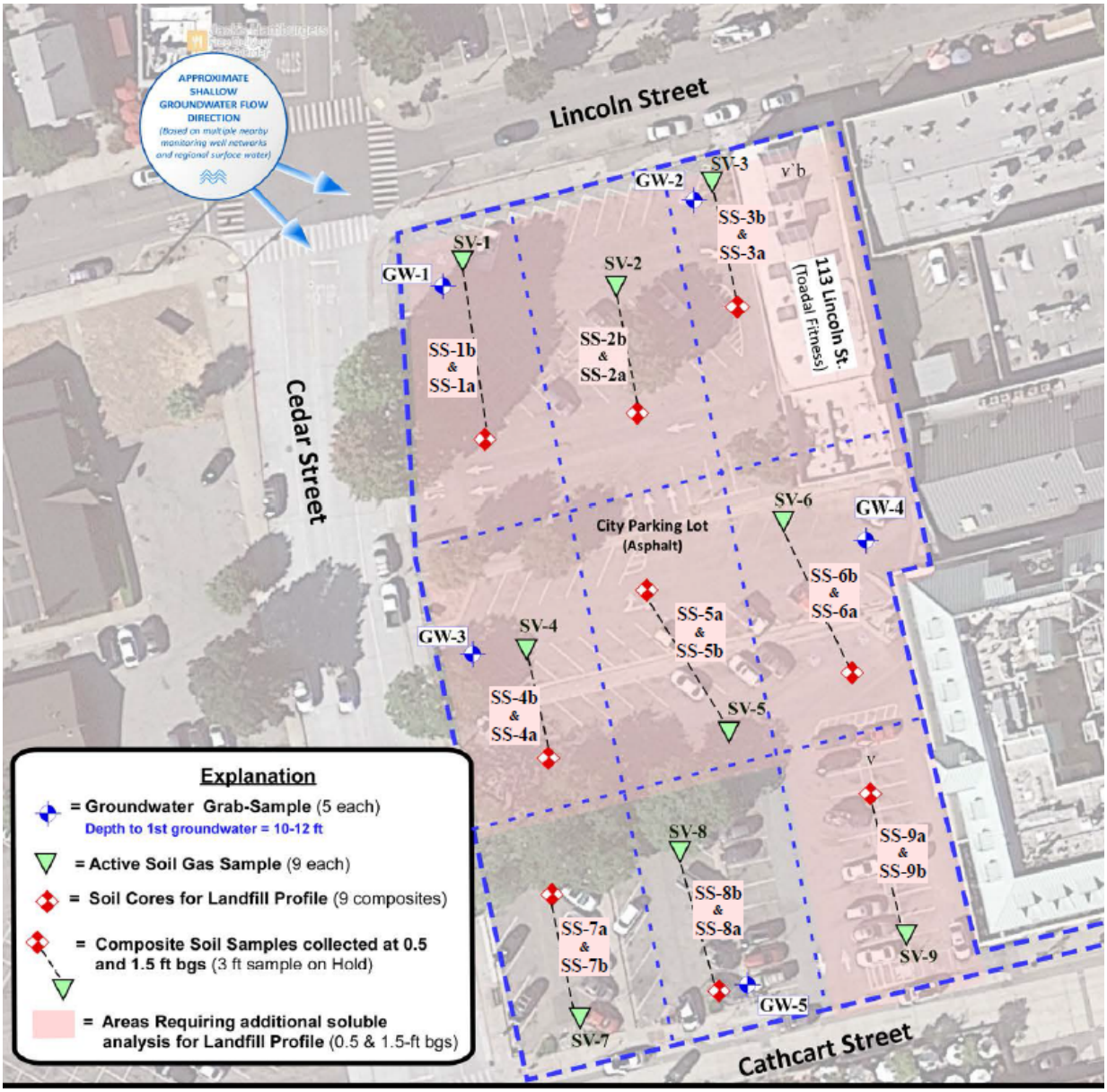
| | |
|---|---|
| J | Estimated Value (CLP Flag) |
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| A01 | Detection and quantitation limits are raised due to sample dilution. |

Library Search Compound Report

```
Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY14.D
Acq On    : 18 May 2022  10:03 pm
Operator  : BEP
Sample    : 2210904-01
Misc      : 1.64 vol 400mL # i: f:
ALS Vial  : 1   Sample Multiplier: 1.64

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title  : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library    : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
```

**********

MS-TO15.M Thu May 26 14:51:13 2022



## Pat Hoban

**From:** Bowen Parker <Bowen.Parker@pacelabs.com>
**Sent:** Thursday, May 26, 2022 3:26 PM
**To:** heather@weber-hayes.com
**Cc:** '(WHA) Harrison'; 'Pat Hoban'
**Subject:** RE: Report for 2T158B Downtown Library ESA L1491075
**Attachments:** 2210904-01.pdf; 2210904-09.pdf; 2210904-08.pdf; 2210904-07.pdf; 2210904-06.pdf; 2210904-05.pdf; 2210904-04.pdf; 2210904-03.pdf; 2210904-02.pdf

Hello,

Please find attached tentatively identified compound (TIC) reports for 2210904. Lots of alpha-pinene, along with some camphor and D-limonene.

I updated the sample multiplier, so the number below "EstConc" is the estimated concertation of the compound, no need to apply the dilution factor.

Thanks,

**Bowen Parker**
Scientist III, Air Department
pacelabs.com

---

**From:** heather@weber-hayes.com <heather@weber-hayes.com>
**Sent:** Wednesday, May 25, 2022 1:02 PM
**To:** Bowen Parker <Bowen.Parker@pacelabs.com>
**Cc:** '(WHA) Harrison' <Harrison@weber-hayes.com>; 'Pat Hoban' <pat@weber-hayes.com>
**Subject:** Report for 2T158B Downtown Library ESA L1491075

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Bowen,

I have a question for you regarding the soil vapor results we received for sample location SV-2 (see attachment). It looks like the sample was diluted which raised the PQL and MDL above Environmental Screening Levels (ESL) making it impossible for us to compare our results with agency standards. We requested the samples not be diluted on the chain of custody to avoid having results that are not suitable for ESL assessment (see lab results in attachment). Is it possible to re-run the analysis without dilution? I appreciate your help in this matter.

Thank you,

Heather Bondiek
Weber-Hayes & Associates
Staff Geologist, QISP
C (831) 821 - 3665

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY23.D
Acq On : 19 May 2022 10:17 am
Operator : BEP
Sample : 2210904-02
Misc : 314 vol 200mL tedlar x157
ALS Vial : 6 Sample Multiplier: 314

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.001 | 53575.90 ppbv | 8316520 | Chlorobenzene-d5 | 11.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 .beta.-Pinene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.371 | 1105.96 ppbv | 171677 | Chlorobenzene-d5 | 11.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 2 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 96 |

MS-TO15.M Thu May 26 15:03:02 2022

Library Search Compound Report

```
Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY15.D
Acq On    : 18 May 2022  10:38 pm
Operator  : BEP
Sample    : 2210904-03
Misc      : 1.59 vol 400mL # i: f:
ALS Vial  : 2   Sample Multiplier: 1.59

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title  : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library    : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number  1  1R-.alpha.-Pinene              Concentration Rank  2

  R.T.     EstConc          Area       Relative to ISTD         R.T.
---------------------------------------------------------------------
 12.001   28.84 ppbv      1048720   Chlorobenzene-d5           11.015

 Hit# of  5    Tentative ID             MW  MolForm       CAS#       Qual
---------------------------------------------------------------------
 1 1R-.alpha.-Pinene                   136 C10H16         007785-70-8 97


MS-TO15.M Thu May 26 14:51:54 2022
```

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY16.D
Acq On : 18 May 2022 11:13 pm
Operator : BEP
Sample : 2210904-04
Misc : 1.64 vol 400mL # i: f:
ALS Vial : 3 Sample Multiplier: 1.64

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.001 | 214.50 ppbv | 7041130 | Chlorobenzene-d5 | 11.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 .beta.-Myrcene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.287 | 5.11 ppbv | 167726 | Chlorobenzene-d5 | 11.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Myrcene | 136 | C10H16 | 000123-35-3 | 91 |
| 2 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 80 |

**********
Peak Number 3 3-Carene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.597 | 101.89 ppbv | 3344620 | Chlorobenzene-d5 | 11.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 2 | 3-Carene | 136 | C10H16 | 013466-78-9 | 96 |

MS-TO15.M Thu May 26 14:54:15 2022

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY21.D
Acq On : 19 May 2022 9:11 am
Operator : BEP
Sample : 2210904-05
Misc : 2.01 vol 400mL # i: f:
ALS Vial : 4 Sample Multiplier: 2.01

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.994 | 13.75 ppbv | 367846 | Chlorobenzene-d5 | 11.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 3-Carene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.591 | 2.37 ppbv | 63472 | Chlorobenzene-d5 | 11.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Carene | 136 | C10H16 | 013466-78-9 | 97 |

MS-TO15.M Thu May 26 14:59:20 2022

Library Search Compound Report

```
Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY22.D
Acq On    : 19 May 2022   9:46 am
Operator  : BEP
Sample    : 2210904-06
Misc      : 2.08 vol 400mL # i: f:
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title  : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library    : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
```

**********

MS-TO15.M Thu May 26 15:02:11 2022

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY17.D
Acq On : 19 May 2022 12:57 am
Operator : BEP
Sample : 2210904-07
Misc : 1.60 vol 400mL # i: f:
ALS Vial : 1 Sample Multiplier: 1.6

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.000 | 16.11 ppbv | 524870 | Chlorobenzene-d5 | 11.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 Camphene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.148 | 11.39 ppbv | 371090 | Chlorobenzene-d5 | 11.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphene | 136 | C10H16 | 000079-92-5 | 97 |

**********
Peak Number 3 3-Carene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.591 | 5.88 ppbv | 191638 | Chlorobenzene-d5 | 11.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Carene | 136 | C10H16 | 013466-78-9 | 97 |

MS-TO15.M Thu May 26 14:55:14 2022

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY18.D
Acq On : 19 May 2022 1:32 am
Operator : BEP
Sample : 2210904-08
Misc : 1.64 vol 400mL # i: f:
ALS Vial : 2 Sample Multiplier: 1.64

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.999 | 12.93 ppbv | 414301 | Chlorobenzene-d5 | 11.013 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 Camphene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.147 | 10.11 ppbv | 323829 | Chlorobenzene-d5 | 11.013 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphene | 136 | C10H16 | 000079-92-5 | 97 |

**********
Peak Number 3 .beta.-Pinene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.369 | 38.04 ppbv | 1219140 | Chlorobenzene-d5 | 11.013 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 2 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 96 |

**********
Peak Number 4 3-Carene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.596 | 1.69 ppbv | 54187 | Chlorobenzene-d5 | 11.013 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Carene | 136 | C10H16 | 013466-78-9 | 96 |

**********
Peak Number 5 D-Limonene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|

12.709 1.68 ppbv 53928 Chlorobenzene-d5 11.013

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | D-Limonene | 136 | C10H16 | 005989-27-5 | 94 |

MS-TO15.M Thu May 26 14:56:09 2022

Library Search Compound Report

Data Path : C:\msdchem\1\DATA\2022\MAY2022\MAY18\
Data File : 18MAY19.D
Acq On : 19 May 2022 2:06 am
Operator : BEP
Sample : 2210904-09
Misc : 1.67 vol 400mL # i: f:
ALS Vial : 3 Sample Multiplier: 1.67

Quant Method : C:\msdchem\1\METHODS\2022\202205\17-1848\MS-TO15.M
Quant Title : TO-14A / TO-15 Vapor analysis w/ MS-A1

TIC Library : C:\Database\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.001 | 42.34 ppbv | 1380880 | Chlorobenzene-d5 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1R-.alpha.-Pinene | 136 | C10H16 | 007785-70-8 | 97 |

**********
Peak Number 2 Camphene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.149 | 4.85 ppbv | 158229 | Chlorobenzene-d5 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphene | 136 | C10H16 | 000079-92-5 | 98 |

**********
Peak Number 3 .beta.-Pinene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.370 | 5.39 ppbv | 175704 | Chlorobenzene-d5 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 2 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 96 |

**********
Peak Number 4 3-Carene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.597 | 27.49 ppbv | 896406 | Chlorobenzene-d5 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 2 | 3-Carene | 136 | C10H16 | 013466-78-9 | 96 |

**********
Peak Number 5 D-Limonene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.711 | 1.90 ppbv | 61870 | Chlorobenzene-d5 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 3 | D-Limonene | 136 | C10H16 | 005989-27-5 | 81 |

MS-TO15.M Thu May 26 14:58:15 2022

# STORMWATER CONTROL PLAN

**For:**
**Santa Cruz Library Mixed Use**
**119 Lincoln Street, 600-698 Cedar Street**
**Santa Cruz, CA 95060**

**September 8, 2022**

**Prepared for:**

**Santa Cruz Library Mixed Use**
**119 Lincoln Street, 600-698 Cedar Street**
**Santa Cruz, CA 95060**

**Prepared by:**

**Scott Schork**
**R.C.E. No. 47813**
**BKF ENGINEERS**
**1730 N. First Street, Suite 600**
**San Jose, CA 95112**
**Phone: (408) 467-9100**

**Certification**

**Project: Santa Cruz Library Mixed Use**
**Address: 119 Lincoln Street, 600-698 Cedar Street, Santa Cruz, CA**

I certify under penalty of law that all storm water treatment Best Management Practices described in this Storm Water Control Plan have been designed to be in substantial general conformance with the overall intent of the City of Santa Cruz's Chapter 6B of the Best Management Practices Manual for the City's Storm Water management Program and the NPDES Permit issued by the Regional Water Quality Control Board. This document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted.

_____ Title: Principal/Vice President
Scott Schork, PE

***ENGINEERS / SURVEYORS / PLANNERS***

***1730 North First Street, Suite 600***
***San Jose, CA 95112***
***(408) 467-9100***

Date 2022/09/06

(Note: Any subsequent amendments to the SWMP should be reflected on this page.)

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## I. Project Data

| | |
|---|---|
| Project Name | Santa Cruz Library Mixed Use |
| Project Location | 119 Lincoln Street, 600-698 Cedar Street, Santa Cruz, CA 95060 |
| Project Phase No. | N/A |
| Project Type and Description | Demolition of existing commercial building and parking area and constructing mix-used building. |

## II. Project Site Assessment Summary

II.A. Project Location and Description

Project Name: Santa Cruz Library Mixed Use
119 Lincoln Street, 600-698 Cedar Street,
Santa Cruz, CA. 95060
APN: 005-141-11, 21

Facility Activities: Demolish Existing City Development
Demolish Existing City Surface Parking Lot
Construct an 8-story mix-used building encompassing 307,968 square feet with a public library facility, daycare, parking garage and residential units.

II.B. Geology and Soil Types

Geotechnical investigation performed by Cornerstone Earth Group, dated June 2, 2022 is provided for soil and geological characteristic for the project site.

II.C. Hydrologic Considerations

The project site currently drains toward west and to Cedar Street via sheet flow to catch basins. The stormwater that is collected at these catch basins will then be conveyed through city's main storm drain system to be discharged to San Lorenzo River.

The design groundwater depth is determined to be at 7' below the existing ground. See Appendix A prepared by Cornerstone Earth Group, dated June 2, 2022.

## III. Stormwater Performance Criteria and Drainage Management

III.A. Development Area and BMP Requirement Tier

| | |
|---|---|
| Total Project Site Area | 65,560 SF |
| Total Off-Site Area | 9,286 SF |
| Pre-Project Impervious Area | 65,096 SF |
| Post-Project Impervious Area | 44,440 SF |
| Replaced Impervious Area | 44,440 SF |
| New Impervious Area | 0 SF |
| Total New and Replaced Impervious Area | 44,440 SF |
| Net Impervious Area | 44,440 SF |

III.B. Drainage Management Areas

| Drainage Management Area | Total Area (SF) | Impervious Area (SF) | Pervious Area (SF) | Required Storm Water Control Measure (4%) (SF) | Provided (SF) |
|---|---|---|---|---|---|
| DMA 1 | 6,439 | 0 | 6,439 | 0 | 0 |
| DMA 2 | 1,422 | 1,004 | 418 | 40 | 59 |
| DMA 3 | 4,450 | 4,257 | 193 | 170 | 193 |
| DMA 4 | 4,345 | 4,112 | 233 | 164 | 233 |
| DMA 5 | 4,333 | 2,859 | 1,474 | 114 | 117 |
| DMA 6 | 9,674 | 0 | 9,674 | 0 | 0 |
| DMA 7 | 9,023 | 7,457 | 1,566 | 298 | 315 |
| DMA 8 | 4,162 | 3,931 | 231 | 157 | 172 |
| DMA 9 | 7,086 | 6,795 | 291 | 272 | 291 |
| DMA 10 | 4,634 | 4,442 | 192 | 178 | 192 |
| DMA 11 | 3,320 | 3,185 | 135 | 127 | 135 |
| DMA 12 | 3,596 | 3,449 | 147 | 138 | 147 |
| DMA 13 | 3,076 | 2,949 | 127 | 118 | 127 |
| DMA 14 (Off-Site) | 1,352 | 1,246 | 106 | 50 | 52 |
| DMA 15 (Off-Site) | 909 | 805 | 104 | 32 | 44 |
| DMA 16 (Off-Site) | 2,117 | 1,896 | 221 | 76 | 89 |
| DMA 17 (Off-Site) | 3,469 | 3,252 | 217 | 130 | 138 |
| DMA 18 (Off-Site) | 1,439 | 1,329 | 110 | 53 | 54 |

## IV. Site Design and SCMs

IV.A. Stormwater Requirement Conformance

Tier 1. Runoff Reduction

- Project site has been optimized to minimize the use of the impervious surface. The project conforms to Tier 1 by increasing the pervious area.

Tier 2. Water Quality Treatment

- The project proposes biotreatment basins to provide runoff treatment. Since most of the site will be covered by the building, the runoff will be routed via building plumbing. Minimum 4% of impervious area is dedicated as treatment basin. See Section IV.C for detailed calculation. Runoff from the building roof and site will be collected via storm drain structures and routed to each biotreatment basins. See Appendix F for civil, roof and plumbing plans.

Tier 3. Retention Requirement

- The project is exempted from the retention requirement because the site is within Urban Sustainability Area, and meets all of the small parcel requirements (1-2 acre).
  - Site is located within USA boundaries.
  - The project does not propose any surface parking.
  - 85% of the project site is covered by permanent structure.
  - The site is located within 0.25 miles from a transit hub.

IV.B. SCM Sizing Calculation

- DMA 1
  - Tier 2 Surface Area Required = 0 SF X 0.04 (4%) = 0 SF
  - Provided Area = 0 SF
- DMA 2
  - Tier 2 Surface Area Required = 1,004 SF X 0.04 (4%) = 40 SF
  - Provided Area = 59 SF
- DMA 3
  - Tier 2 Surface Area Required = 4,257 SF X 0.04 (4%) = 170 SF
  - Provided Area = 193 SF
- DMA 4
  - Tier 2 Surface Area Required = 4,112 SF X 0.04 (4%) = 164 SF
  - Provided Area = 233 SF
- DMA 5
  - Tier 2 Surface Area Required = 2,859 SF X 0.04 (4%) = 114 SF
  - Provided Area = 117 SF
- DMA 6
  - Tier 2 Surface Area Required = 0 SF X 0.04 (4%) = 0 SF
  - Provided Area = 0 SF
- DMA 7
  - Tier 2 Surface Area Required = 7,475 SF X 0.04 (4%) = 298 SF
  - Provided Area = 315 SF
- DMA 8
  - Tier 2 Surface Area Required = 3,931 SF X 0.04 (4%) = 157 SF
  - Provided Area = 172 SF
- DMA 9
  - Tier 2 Surface Area Required = 6,795 SF X 0.04 (4%) = 272 SF
  - Provided Area = 291 SF
- DMA 10
  - Tier 2 Surface Area Required = 4,442 SF X 0.04 (4%) = 178 SF
  - Provided Area = 192 SF
- DMA 11
  - Tier 2 Surface Area Required = 3,185 SF X 0.04 (4%) = 127 SF
  - Provided Area = 135 SF
- DMA 12
  - Tier 2 Surface Area Required = 3,449 SF X 0.04 (4%) = 138 SF
  - Provided Area = 147 SF
- DMA 13
  - Tier 2 Surface Area Required = 2,949 SF X 0.04 (4%) = 118 SF
  - Provided Area = 127 SF
- DMA 14
  - Tier 2 Surface Area Required = 1,246 SF X 0.04 (4%) = 50 SF
  - Provided Area = 52 SF
- DMA 15
  - Tier 2 Surface Area Required = 805 SF X 0.04 (4%) = 32 SF
  - Provided Area = 44 SF
- DMA 16
  - Tier 2 Surface Area Required = 1,896 SF X 0.04 (4%) = 76 SF

- DMA 17
  - Tier 2 Surface Area Required = 3,252 SF X 0.04 (4%) = 130 SF
  - Provided Area = 138 SF
- DMA 18
  - Tier 2 Surface Area Required = 1,329 SF X 0.04 (4%) = 53 SF
  - Provided Area = 54 SF

## V. Best Management Practices (BMP) Operation and Maintenance Plan

### V.A. Ownership and Responsibility for Maintenance in Perpetuity

The Principal maintenance objective is to prevent sediment buildup and clogging, which reduces pollutant removal efficiency and may lead to biotreatment area failure. Routine maintenance activities, and the frequency at which they will be conducted, are shown below.

See Appendix A for a copy of the project Storm Water Control Plan showing the location of the proposed biotreatment areas.

### V.B BMP Maintenance

#### A. Maintenance Objectives

A comprehensive monitoring and maintenance program is an essential element of a long-term storm water management plan. The proposed storm water system for the subject project will operate in an automatic and reliable manner. However, as with all physical infrastructure, the storm water system will need adequate routine maintenance to function as designed. The monitoring and maintenance program has the following goals:

- To monitor all BMPs to assess whether they continue to function as appropriate mitigation for the effects of urban non-point source pollution on receiving waters in a manner consistent with the highest regard for public safety;
- To set forth the expected routine maintenance functions and associated schedules that allow the BMPs to function as designed;
- To anticipate non-routine maintenance needs that may arise and suggest appropriate responses to these needs;
- The operations and maintenance plan will be a “living document” that can be modified in the future to save costs (without compromising the goals of the program) and to adjust to changes at the site or in regulatory guidance.

#### B. Scheduling of Monitoring and Maintenance

Routine maintenance for the BMPs should be carried out on a schedule similar to the rest of the stormwater system. This will typically require a thorough inspection and maintenance visit in late summer or early fall prior to the rainy season. Observations and recommendations for corrective measure (if necessary) will be recorded and kept by Santa Cruz Library Mixed Use. Remedial maintenance will be performed immediately or scheduled to take place within a reasonable time frame. Records will be available to the City of Santa Cruz for review upon request.

The following general monitoring and maintenance guidelines shall be performed:

- A thorough inspection and maintenance of all the BMP's mentioned above shall be conducted in late summer or early fall prior to the rainy season (October 1st).
- All BMP's mentioned above shall be monitored following major storm events (greater that 1-inch of rain).
- Any debris and/or sediment encountered anywhere on the project site shall be removed as necessary.
- Remedial maintenance shall be performed immediately as conditions allow.
- See Appendix B for a Sample BMP Inspection/Maintenance Form and for Biotreatment Area Maintenance Plan and Operation and Maintenance Inspection Report.
- If mosquito larvae are present and persistent, contact the County for information and advice. Mosquito larvicide should be applied only when absolutely necessary and then only by a licensed individual or contractor.
- Representatives of the City, the local vector control district and the Regional Water Quality Control Board may enter the common areas for purposes of verifying proper operation and maintenance of the BMP's outlined in the approved plan.
- It is the responsibility of Santa Cruz Library Mixed Use to ensure that all monitoring and maintenance of treatment control measures is performed on time and as scheduled.

A summary of the inspection and maintenance schedule for source control and treatment control BMP's is shown in Table 1.

C. Summary of Maintenance Requirements

The maintenance for all source and treatment control BMP's is as described below. See Table 1 for a summary of the inspection and maintenance schedule. Records of observations and recommendations shall be kept by the Property Owner/Management and made available to the City of Santa Cruz upon request.

1. Landscape Maintenance

The following landscape maintenance shall be performed on all landscape areas:

- Landscape areas within the project site shall be covered with plants or some type of ground cover to minimize erosion. No areas are to be left as bare dirt that could erode.
- Pesticides and fertilizers shall be stored as hazardous materials and in appropriate packaging. Over spraying onto paved areas shall be avoided when applying fertilizers and pesticides. Pesticides and fertilizers will be prohibited from being stored outside.
- Landscape areas shall be inspected for debris and obstructions to drainage flow. All debris and obstructions to drainage flow shall be removed.

2. Storm Drainage Collection System Maintenance

The storm drainage collection system consists of area drains, catch basins, drop inlets, distribution piping, and manholes. The following maintenance shall be performed on all storm drainage collection systems:

- *Inlet and Catch Basin Cleaning.* Inspect all overflow drains, area drains, catch basins drop inlets and manholes twice a year for debris and sediment before and after the

rainy season (before October 1st and after April 1st). During inspection, all debris and sediment shall be removed.

- *Regular Street Sweeping.* Regular street sweeping can have a significant impact on the control of such constituents of concern as trash and debris, particulates, and heavy metals. All streets should be swept on a regular basis to control the build-up of sediment and trash with particular attention to the early fall period prior to the onset of the winter rainy season. Street Sweeping schedules will follow City of Santa Cruz standards, but should not be less than monthly.

3. Storm Water Treatment System Maintenance

Biotreatment Area:
To ensure that the storm water treatment system is properly functional and operational, the following routine maintenance, but not limited to, shall be performed:

- Overflow drains within the biotreatment area shall be inspected twice a year before and after the rainy season for debris and sediment (before October 1st and after April 1st). Any debris or accumulations of sediment encountered shall be removed.
- After every major storm event (greater that 1-inch of rain) all overflow drains, storm drain clean out boxes and manholes shall be inspected to remove any obstructions to the flow.
- If eroded areas are observed in the biotreatment area, repair the area by placing a seeded blanket on eroded area as soon as scour is observed.
- Herbicides, pesticides or non-organic fertilizers should not be used in the biotreatment area. Instead, use integrated pest management techniques and hand weed these areas.
- When water stands in the biotreatment basin between storms and does not drain within 72 hours after rainfall, the 24” thick treatment soil section (infiltration rate of 5 inches per hour) and planting shall be replaced per the development Improvement Plans.
- In addition to above, the Property Owner/Management shall follow the Biotreatment Area Maintenance Plan and Operation and Maintenance Inspection Report in Appendix B.

**Table 1: Inspection and Maintenance Schedule Summary**

| Areas* | Inspection | Schedule | Cost Estimate |
|---|---|---|---|
| **Landscaping** (Includes Biotreatment areas) | Inspect for erosion, damage to vegetation, channelization of flow and sediment accumulation | Twice a year: before and after the rainy season (before October 1st and after April 1st) | $3,000/yr |
| | Plants maintenance and/or trimming | As needed (frequent seasonally) | |
| **Storm Drainage Collection System** | Inspect area drains, catch basins, drop inlets, and manholes | Twice a year: before and after the rainy season (before October 1st and after April 1st) | $6,000/yr |
| | Clean area drains, catch basins, drop inlets, and manholes | Twice a year: before and after the rainy season (before October 1st and after April 1st). After every major storm event | |
| **Stormwater Treatment/ Retention/ Detention System** (Biotreatment areas) | Inspect overflow drains | Twice a year: before and after the rainy season (before October 1st and after April 1st). After every major storm event | $3,000/yr |
| | Repair any damaged areas within the biotreatment areas. Remove sediment from the biotreatment areas if vegetation growth is inhibited or if the sediment is blocking the even spreading of water. | Twice a year: before and after the rainy season (before October 1st and after April 1st)<br><br>Ensure paving area is clean of debris, dewaters between storms and is clean of sediment (monthly). | |

## V.C. Maintenance Agreement

See Appendix E for a copy of the project's Maintenance Agreement.

Appendix A

**O&M Site Plan**

Appendix B

**Post Construction BMP Maintenance and/or Source Control Activities Table**

**Biotreatment Area Maintenance Plan for Santa Cruz Library Mixed Use**

*Biotreatment areas function as soil and plant-based filtration devices that remove pollutants through a variety of physical, biological, and chemical treatment processes. These facilities normally consist of a grass buffer strip, sand bed, ponding area, organic layer or mulch layer, planting soil, and plants.*

Project Address and Cross Streets:

119 Lincoln Street, 600-698 Cedar Street, Santa Cruz, CA 95060

Assessor's Parcel No.: 005-141-11, 21

The property contains 2 biotreatment area(s) located as described below and as shown in the Storm Water Management Plan.

| | | |
|---|---|---|
| B.B.2 | Biotreatment Area | |
| B.B.3 | Biotreatment Area | |
| B.B.4 | Biotreatment Area | |
| B.B.5 | Biotreatment Area | |
| B.B.7 | Biotreatment Area | |
| B.B.8 | Biotreatment Area | |
| B.B.9 | Biotreatment Area | |
| B.B.10 | Biotreatment Area | |
| B.B.11 | Biotreatment Area | |
| B.B.12 | Biotreatment Area | |
| B.B.13 | Biotreatment Area | |
| B.B.14 | Biotreatment Area | |
| B.B.15 | Biotreatment Area | |
| B.B.16 | Biotreatment Area | |
| B.B.17 | Biotreatment Area | |
| B.B.18 | Biotreatment Area | |

## *I. Routine Maintenance Activities*

The principal maintenance objective is to prevent sediment buildup and clogging, which reduces pollutant removal efficiency and may lead to biotreatment area failure. Routine maintenance activities, and the frequency at which they will be conducted, are shown in Table 1.

**Table 1-Routine Maintenance Activities for Biotreatment Areas**

| No. | Maintenance Task | Frequency of Task |
|---|---|---|
| 1 | Remove obstructions, debris and trash from biotreatment area and dispose of properly. | Monthly, or as needed after storm events |
| 2 | Inspect biotreatment area to ensure that it drains between storms and within five days after rainfall. | Monthly, or as needed after storm events |
| 3 | Inspect inlets for channels, soil exposure or other evidence of erosion. Clear obstructions and remove sediment. | Monthly, or as needed after storm events |
| 4 | Remove and replace all dead and diseased vegetation. | Twice a year |
| 5 | Maintain vegetation and the irrigation system. Prune and weed to keep biotreatment area neat and orderly in appearance. | Before wet season begins, or as needed |
| 6 | Check that mulch is at appropriate depth (3 inches per soil specifications) and replenish as necessary before wet season begins. | Monthly |
| 7 | Inspect biotreatment area using the attached inspection checklist. | Monthly, or after large storm events, and after removal of accumulated debris or material |

## *II. Prohibitions*

The use of pesticides and quick release fertilizers shall be minimized, and the principles of integrated pest management (IPM) followed:

1. Employ non-chemical controls (biological, physical and cultural controls) before using chemicals to treat a pest problem.
2. Prune plants properly and at the appropriate time of year.
3. Provide adequate irrigation for landscape plants. Do not over water.
4. Limit fertilizer use unless soil testing indicates a deficiency. Slow-release or organic fertilizer is preferable. Check with municipality for specific requirements.
5. Pest control should avoid harming non-target organisms, or negatively affecting air and water quality and public health. Apply chemical controls only when monitoring indicates that preventative and non-chemical methods are not keeping pests below acceptable levels. When pesticides are required, apply the least toxic and the least persistent pesticide that will provide adequate pest control. Do not apply pesticides on a prescheduled basis.
6. Sweep up spilled fertilizer and pesticides. Do not wash away or bury such spills.
7. Do not over apply pesticide. Spray only where the infestation exists. Follow the manufacturer's instructions for mixing and applying materials.
8. Only licensed, trained pesticide applicators shall apply pesticides.
9. Apply pesticides at the appropriate time to maximize their effectiveness and minimize the likelihood of discharging pesticides into runoff. With the exception of pre-emergent pesticides, avoid application if rain is expected.
10. Unwanted/unused pesticides shall be disposed as hazardous waste.

Standing water shall not remain in the treatment measures for more than five days, to prevent mosquito generation. Should any mosquito issues arise, contact the Santa Cruz County Mosquito Abatement & Vector Control Division, as needed for assistance. Mosquito larvicides shall be applied only when absolutely necessary, as indicated by the Santa Cruz County Mosquito Abatement & Vector Control Division, and then only by a licensed professional or contractor. Contact information is provided below.

## *III. Mosquito Abatement Contact Information*

Santa Cruz County Mosquito Abatement & Vector Control Division
870 17th Ave.
Santa Cruz, CA 95062
PH:(831) 454-2590

## *IV. Inspections*

The attached Biotreatment Area Inspection and Maintenance Checklist shall be used to conduct inspections monthly (or as needed), identify needed maintenance, and record maintenance that is conducted.

**Biotreatment Area**
## Inspection and Maintenance Checklist

Property Address: 119 Lincoln Street, 600-698 Cedar Street, CA 95060
Property Owner: For the Future Housing

Treatment Measure No.: _____ Date of Inspection: _____

Type of Inspection:
☐ Monthly ☐ Pre-Wet Season ☐ After heavy runoff ☐ End of Wet Season
☐ Other:_____
Inspector(s): _____

| **Defect** | **Conditions When Maintenance Is Needed** | **Maintenance Needed? (Y/N)** | **Comments** (Describe maintenance completed and if needed maintenance was not conducted, note when it will be done) | **Results Expected When Maintenance Is Performed** |
|---|---|---|---|---|
| 1. Standing Water | When water stands in the biotreatment area between storms and does not drain within five days after rainfall. | | | There should be no areas of standing water once inflow has ceased. Any of the following may apply: sediment or trash blockages removed, improved grade from head to foot of biotreatment area, or added underdrains. |
| 2. Trash and Debris Accumulation | Trash and debris accumulated in the biotreatment area. | | | Trash and debris removed from biotreatment area and disposed of properly. |
| 3. Sediment | Evidence of sedimentation in biotreatment area. | | | Material removed so that there is no clogging or blockage. Material is disposed of properly. |
| 4. Erosion | Channels have formed around inlets, there are areas of bare soil, and/or other evidence of erosion. | | | Obstructions and sediment removed so that water flows freely and disperses over a wide area. Obstructions and sediment are disposed of properly. |
| 5. Vegetation | Vegetation is dead, diseased and/or overgrown. | | | Vegetation is healthy and attractive in appearance. |
| 6. Mulch | Mulch is missing or patchy in appearance. Areas of bare earth are exposed, or mulch layer is less than 3 inches in depth. | | | All bare earth is covered, except mulch is kept 6 inches away from trunks of trees and shrubs. Mulch is even in appearance, at a depth of 3 inches. |
| 7. Miscellaneous | Any condition not covered above that needs attention in order for the biotreatment area to function as designed. | | | Meet the design specifications. |

**Storm Water Treatment Measure Operation and Maintenance Inspection Report for the Santa Cruz Library Mixed Use**

This report and attached Inspection and Maintenance Checklists document the inspection and maintenance conducted for the identified storm water treatment measure(s) subject to the Maintenance Agreement between the City and the property owner during the annual reporting period indicated below.

## I. Property Information:

Property Address or APN: 119 Lincoln Street, 600-698 Cedar Street, Santa Cruz, CA

Property Owner: For the Future Housing

## II. Contact Information:

Name of person to contact regarding this report:_____

Phone number of contact person:_____ Email:_____

Address to which correspondence regarding this report should be directed:

_____

_____

## III. Reporting Period:

This report, with the attached completed inspection checklists, documents the inspections and maintenance of the identified treatment measures during the time period from _____ to _____.

## IV. Stormwater Treatment Measure Information:

The following stormwater treatment measures (identified treatment measures) are located on the property identified above and are subject to the Maintenance Agreement:

| Identifying Number of Treatment Measure | Type of Treatment Measure | Location of Treatment Measure on the Property |
|---|---|---|
| B.B.2 | Biotreatment Basin #2 | North end of the site |
| B.B.3 | Biotreatment Basin #3 | Northeast end of the site |
| B.B.4 | Biotreatment Basin #4 | Northwest mid center of the site |
| B.B.5 | Biotreatment Basin #5 | Northwest end of the site |
| B.B.7 | Biotreatment Basin #7 | East end of the site |
| B.B.8 | Biotreatment Basin #8 | East end of the site |
| B.B.9 | Biotreatment Basin #9 | South end of the site |

| | | |
|---|---|---|
| B.B.10 | Biotreatment Basin #10 | East end of the site |
| B.B.11 | Biotreatment Basin #11 | South mid center of the site |
| B.B.12 | Biotreatment Basin #12 | Southeast end of the site |
| B.B.13 | Biotreatment Basin #13 | South end of the site |
| B.B.14 | Biotreatment Basin #14 | Northwest end of the site |
| B.B.15 | Biotreatment Basin #15 | Northwest end of the site |
| B.B.16 | Biotreatment Basin #16 | West end of the site |
| B.B.17 | Biotreatment Basin #17 | Southwest end of the site |
| B.B.18 | Biotreatment Basin #18 | Southeast end of the site |

## V. Summary of Inspections and Maintenance:

Summarize the following information using the attached Inspection and Maintenance Checklists:

| Identifying Number of Treatment Measure | Date of Inspection | Operation and Maintenance Activities Performed and Date(s) Conducted | Additional Comments |
|---|---|---|---|
| **B.B.2** | | | |
| **B.B.3** | | | |
| **B.B.4** | | | |
| **B.B.5** | | | |
| **B.B.7** | | | |
| **B.B.8** | | | |
| **B.B.9** | | | |
| **B.B.10** | | | |
| **B.B.11** | | | |
| **B.B.12** | | | |
| **B.B.13** | | | |
| **B.B.14** | | | |
| **B.B.15** | | | |
| **B.B.16** | | | |
| **B.B.17** | | | |
| **B.B.18** | | | |

## VI. Sediment Removal:

Total amount of accumulated sediment removed from the stormwater treatment measure(s) during the reporting period: _____ cubic yards.

How was sediment disposed?

- ☐ landfill
- ☐ other location on-site as described in and allowed by the maintenance plan
- ☐ other, explain_____

## VII. Inspector Information:

The inspections documented in the attached Inspection and Maintenance Checklists were conducted by the following inspector(s):

| Inspector Name and Title | Inspector's Employer and Address |
|---|---|
| | |
| | |

## VIII. Certification:

I hereby certify, under penalty of perjury, that the information presented in this report and attachments is true and complete:

_____ _____

Signature of Property Owner or Other Responsible Party Date

_____

Type or Print Name

_____

Company Name

_____

Address

Phone number:_____ Email:_____

Appendix C

## SAMPLE BMP INSPECTION & MAINTENANCE FORM

Date:_____

Responsible Inspector:_____

### *LANDSCAPE MAINTENANCE*

| Location | Date | Observations<br>Maintenance or Repair Needed? Debris? Erosion Problems? | Action Taken | Date Completed |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### *STORM DRAINAGE COLLECTION SYSTEM MAINTENANCE*

| Location | Date | Observations<br>Debris or Sediment?<br>Silt Accumulation? | Action Taken | Date Completed |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### *STORMWATER TREATMENT SYSTEM MAINTENANCE*

| Location | Date | Observations<br>Flow Obstructions?<br>Overflow Drain Obstructions?<br>Debris or Sediment? Erosion Problems? | Action Taken | Date Completed |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SAMPLE FORM ONLY
INSPECTOR/OWNER TO EXPAND AND MODIFY AS NECESSARY

Appendix D

**Employee Training Program Table**

## Table A-4: Employee Training Program

| Name of Responsible Part responsible for training: _____<br>Provide the following information:<br>Address_____<br>Phone_____ Fax_____ E-mail: | | |
|---|---|---|
| Description of Items for Training (e.g. maintenance, inspection, pesticide use, others as applicable to site) | Training Schedule | Employees To Be Trained (Job Category or Title) |
| Maintenance | Yearly | Property Management |
| Inspection | Yearly | Property Management |

Appendix E

**Maintenance Agreement**

# Maintenance Agreement Regarding Maintenance of Structural or Treatment Control Best Management Practices (BMPs)

*for:* *Address* 600 Cedar, Santa Cruz *APN#* 005-141-11, 21

I, _____, being the owner of the real property, APN No. _____, which is located at 600 Cedar, Santa Cruz, Santa Cruz, California, consent and agree to inspect and maintain any and all structural or treatment control Best Management Practices (BMPs) a minimum of once per year prior to **October 1** on the subject property. The structural or treatment control BMPs on the subject property include(s):

_____

_____.

**I agree to send a letter that provides proof of inspection and maintenance to the City of Santa Cruz Department of Public Works prior to December 1 of each year.** Proof of inspection and maintenance shall include a log of inspection and maintenance dates for the past year, and receipts if conducted by a hired service. The log should also indicate any significant observations or repairs made. **The proof of inspection and maintenance should be sent to: Environmental Projects Analyst, Department of Public Works, City of Santa Cruz, 809 Center Street, Room 201, Santa Cruz, CA 95060.**

In the event that the property is sold, transferred, or leased, the obligations hereby imposed on the property owner shall be assumed by subsequent property owners and lessees. To this end, property owner, in any deed transferring an ownership interest in the property or in any lease agreement for the property, shall include a term by which the subsequent property owner or lessee acknowledges his or her understanding of the obligations imposed by this agreement and expressly agrees to accept and assume responsibility for complying with all said obligations imposed by this agreement.

In addition, I will provide printed information to the new property owner or lessee regarding proper BMP inspection and maintenance frequency and methods. The information shall accompany the first deed transfer. This information shall include the following:

(1) a description of any and all storm water structural or treatment control BMPs;
(2) a map of the property indicating the BMP locations; and
(3) a description of how inspections and necessary maintenance can be performed.

The transfer of this information shall also be required with any subsequent sale of the property.

Failure to comply with the provisions of this Maintenance Agreement may result in enforcement actions including assessment of civil penalties as allowed by the City's Municipal Code, Chapter 16.19.190 Administrative Remedies.

I have read the above agreement and understand it.

Owner Name: _____ Signature: _____

Date: _____

Owner Address: _____

Phone: _____ Email: _____

Appendix F

**Plans**

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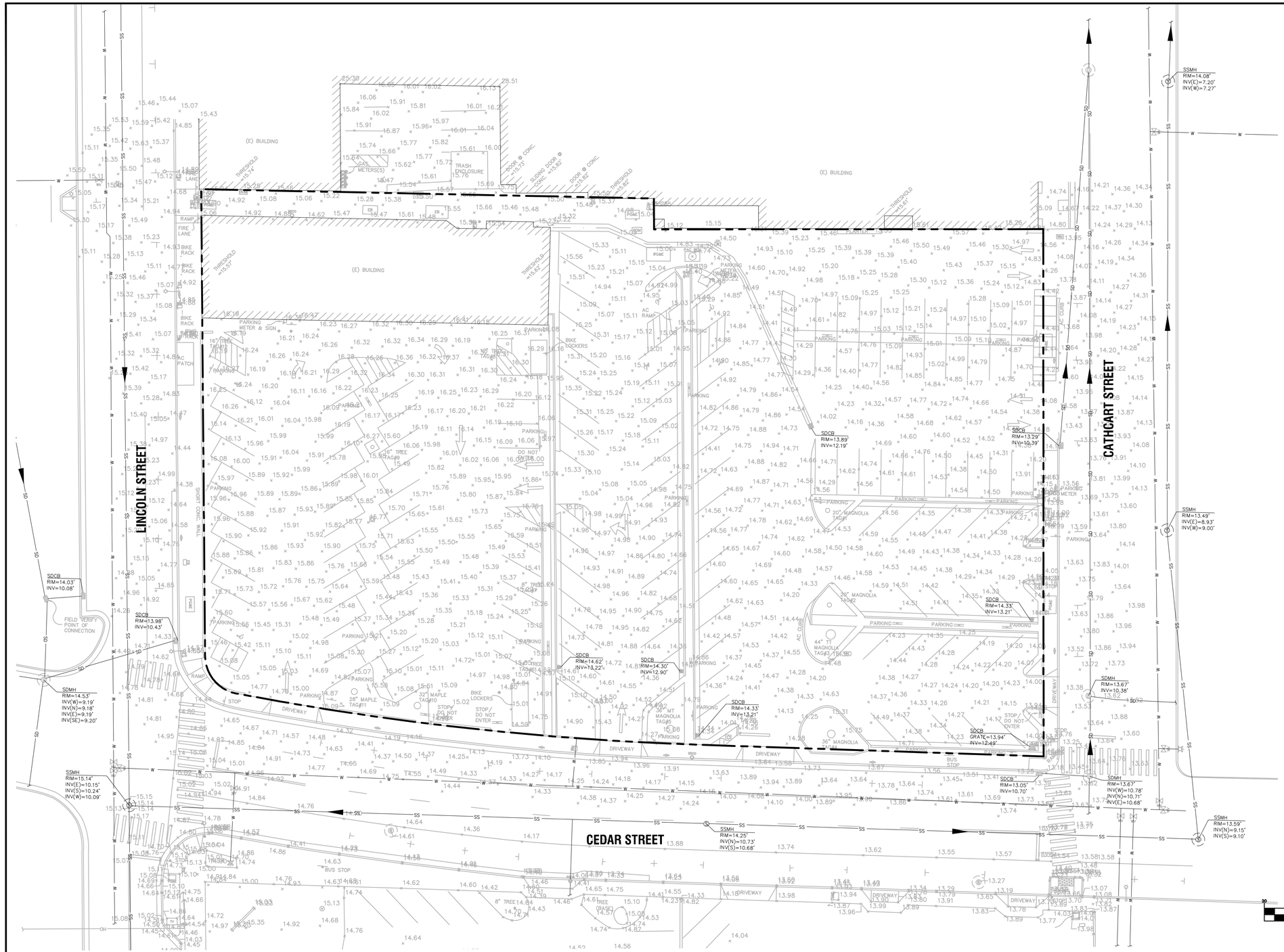


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| SANITARY SEWER | SS |
| STORM DRAIN | SD |
| WATER | W |
| VALLEY GUTTER | |
| VERTICAL CURB | |
| CURB AND GUTTER | |
| SANITARY SEWER MANHOLE | SSMH |
| STORM DRAIN MANHOLE | SDMH |
| COMMUNICATION MANHOLE | |
| SANITARY SEWER CLEANOUT | |
| WATER VALVE | |
| WATER METER | |
| FIRE HYDRANT | |
| STORM DRAIN CATCH BASIN | SDCB |
| STREET SIGN | |
| PARKING METER | |
| ELECTRICAL BOX | |
| STREET LIGHT BOX | |
| GAS METER | |
| GAS VALVE | |
| STREETLIGHT POLE | |

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# SANTA CRUZ LIBRARY MIXED USE
## EXISTING CONDITIONS

SANTA CRUZ COUNTY, CALIFORNIA

SANTA CRUZ

| Revisions | |
|---|---|
| No. | |

Date 09/08/2022
Scale 1" = 20'
Design AA
Drawn DS
Approved JM
Job No 20210922

Sheet Number:
C1.0

DRAWING NAME: K:\2021\210922_Santa_Cruz_Library_MU\ENG\PLANNING\SHEETS\C1.0 EX COND.dwg
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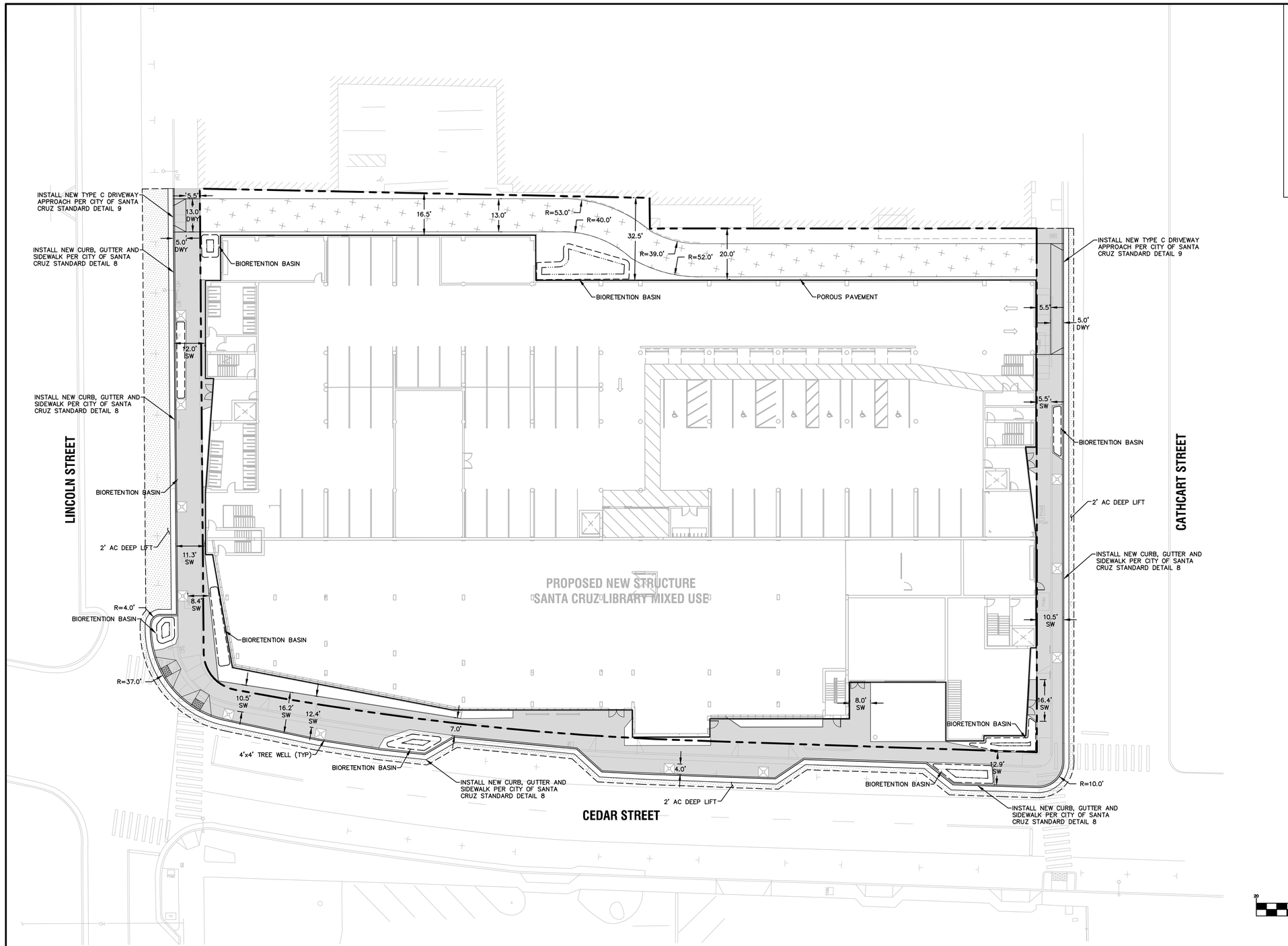


## LEGEND

- PROPERTY LINE
- VERTICAL CURB & GUTTER
- BIORETENTION BASIN
- CONCRETE SIDEWALK
- POROUS PAVEMENT

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

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# SANTA CRUZ LIBRARY MIXED USE
## SITE PLAN

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| | |

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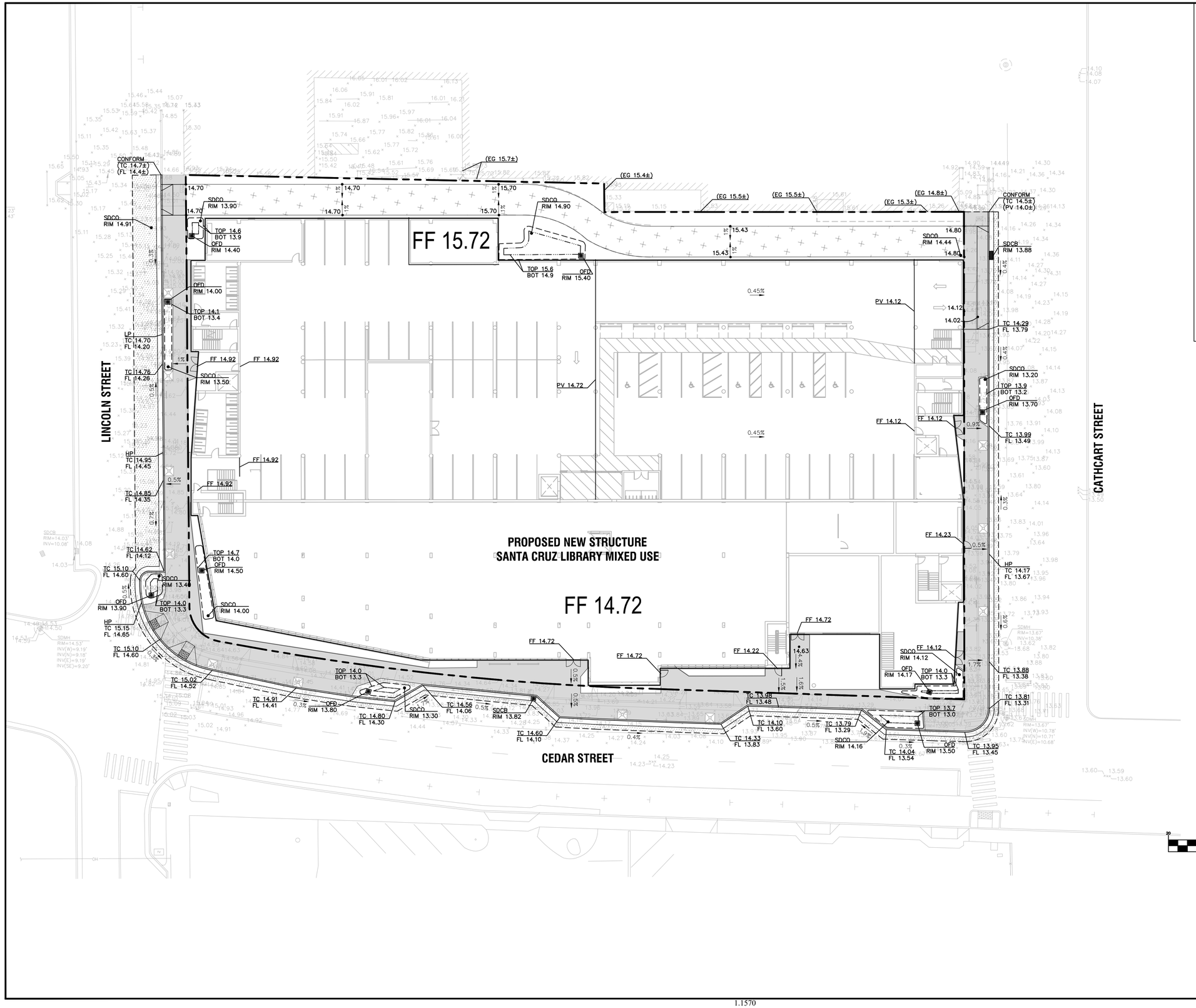


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| SAWCUT LINE | |
| BIORETENTION AREA | |
| VERTICAL CURB & GUTTER | |
| NEW CONCRETE SIDEWALK | |
| NEW POROUS CONCRETE | |
| AC DEEPLIFT | |
| FINISH FLOOR ELEVATION | FF 36.05 |
| TOP OF CURB ELEVATION | TC 36.05 |
| FLOW LINE ELEVATION ELEVATION | FL 36.05 |
| PAVEMENT ELEVATION | PV 36.05 |
| SLOPE/DIRECTION OF FLOW | SLOPE% |

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# SANTA CRUZ LIBRARY MIXED USE
# GRADING AND DRAINAGE PLAN

SANTA CRUZ COUNTY, CALIFORNIA

SANTA CRUZ

| No. | Revisions |
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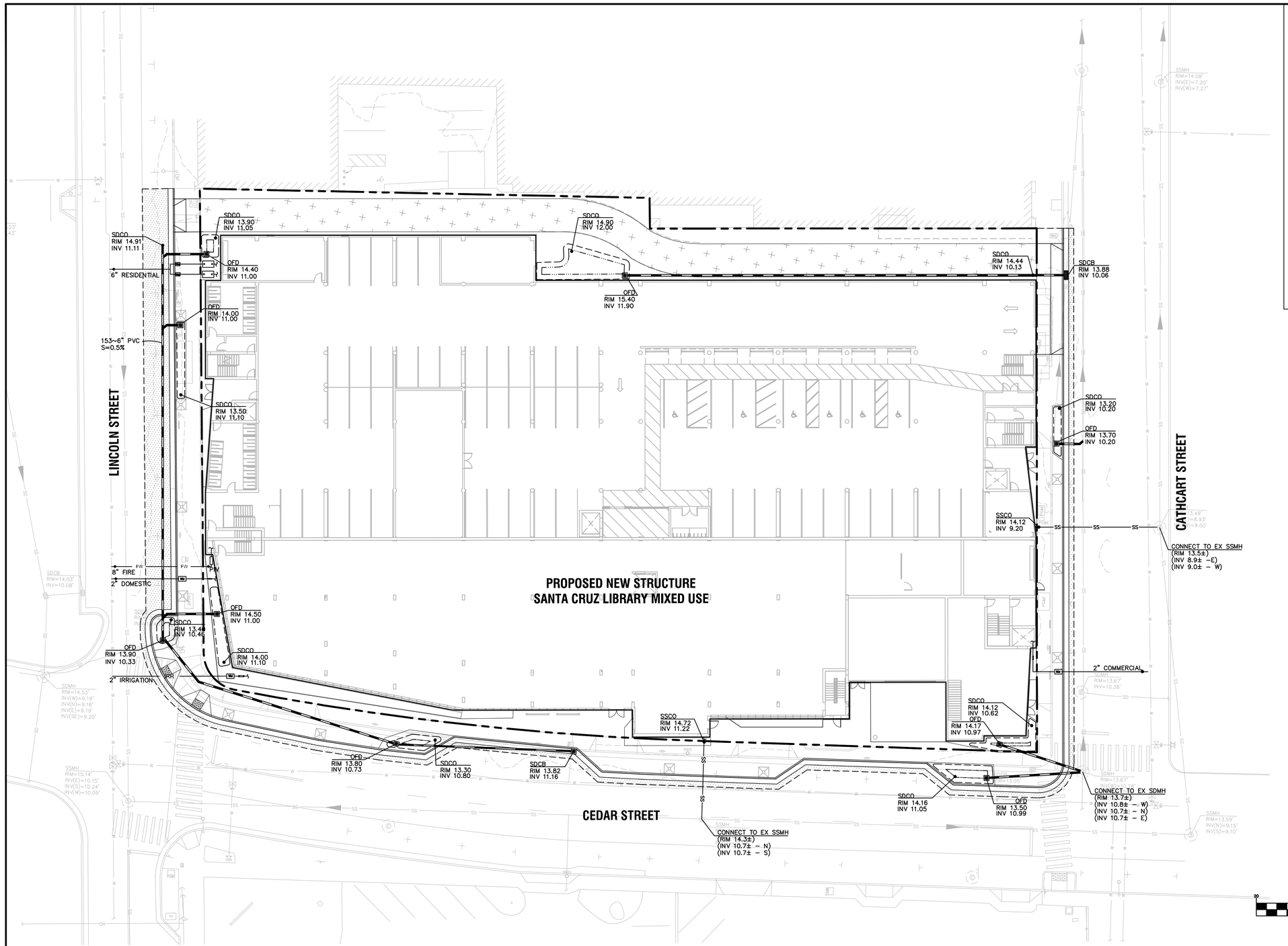


## LEGEND

| | |
|---|---|
| PROPERTY LINE | |
| VERTICAL CURB & GUTTER | |
| VERTICAL CURB | |
| BIORETENTION BASIN | |
| STORM DRAIN LINE (TREATED) | |
| PERFORATED PIPE | |
| SANITARY SEWER | SS |
| DOMESTIC WATER | W |
| IRRIGATION | IRR |
| FIRE WATER | FW |
| OVERFLOW DRAIN | |
| STORM DRAIN/SANITARY SEWER CLEANOUT | |
| WATER METER/ WATER VALVE | |
| BACKFLOW PREVENTION | |

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# SANTA CRUZ LIBRARY MIXED USE
# UTILITY PLAN

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# TIER 3 RETENTION EXEMPTION SUMMARY

THE PROJECT SITE IS WITHIN A DESIGNATED URBAN SUSTAINABILITY AREA (USA)

TOTAL LOT AREA = 66,921 SF

- STRUCTURE COVERED AREA = 56,558 SF
- LOT AREA = 66,921 SF
- 56,558 SF/66,921 SF = 85% SF WITHIN 0.25 MILES OF A LOCAL TRANSIT STOP

THE PROJECT IS EXEMPT FROM RUNOFF RETENTION REQUIREMENT

| Drainage Management Area (DMA) | STORMWATER CONTROL MEASURE (SCM) | TOTAL AREA (SF) | IMPERVIOUS SURFACE (SF) | PERVIOUS SURFACE (SF) | STORM WATER CONTROL MEASURE | TREATMENT AREA REQUIRED (SF) (4% IMPERVIOUS SURFACE) | TREATMENT AREA PROVIDED (SF) |
|---|---|---|---|---|---|---|---|
| A-1 | - | 6,439 | - | 6,439 | POROUS PAVEMENT | - | - |
| A-2 | B.B.2 | 1,422 | 1,004 | 418 | BIORETENTION BASIN | 40 | 59 |
| A-3 | B.B.3 | 4,450 | 4,257 | 193 | BIORETENTION BASIN | 170 | 193 |
| A-4 | B.B.4 | 4,345 | 4,112 | 233 | BIORETENTION BASIN | 164 | 233 |
| A-5 | B.B.5 | 4,333 | 2,859 | 1,474 | BIORETENTION BASIN | 114 | 117 |
| A-6 | - | 9,674 | - | 9,674 | GREEN ROOF | - | - |
| A-7 | B.B.7 | 9,023 | 7,457 | 1,566 | BIORETENTION BASIN | 298 | 315 |
| A-8 | B.B.8 | 4,162 | 3,931 | 231 | BIORETENTION BASIN | 157 | 172 |
| A-9 | B.B.9 | 7,086 | 6,795 | 291 | BIORETENTION BASIN | 272 | 291 |
| A-10 | B.B.10 | 4,634 | 4,442 | 192 | BIORETENTION BASIN | 178 | 192 |
| A-11 | B.B.11 | 3,320 | 3,185 | 135 | BIORETENTION BASIN | 127 | 135 |
| A-12 | B.B.12 | 3,596 | 3,449 | 147 | BIORETENTION BASIN | 138 | 147 |
| A-13 | B.B.13 | 3,076 | 2,949 | 127 | BIORETENTION BASIN | 118 | 127 |
| A-14 | B.B.14 | 1,352 | 1,246 | 106 | BIORETENTION BASIN | 50 | 52 |
| A-15 | B.B.15 | 909 | 805 | 104 | BIORETENTION BASIN | 32 | 44 |
| A-16 | B.B.16 | 2,117 | 1,896 | 221 | BIORETENTION BASIN | 76 | 89 |
| A-17 | B.B.17 | 3,469 | 3,252 | 217 | BIORETENTION BASIN | 130 | 138 |
| A-18 | B.B.18 | 1,439 | 1,329 | 110 | BIORETENTION BASIN | 53 | 54 |

REQUIREMENT CRITERIA

TIER 1. RUNOFF REDUCTION
– SITE IMPERVIOUS SURFACE IS OPTIMIZED AND IMPERVIOUS SURFACE HAS BEEN DECREASED COMPARED TO PRE–PROJECT CONDITIONS.

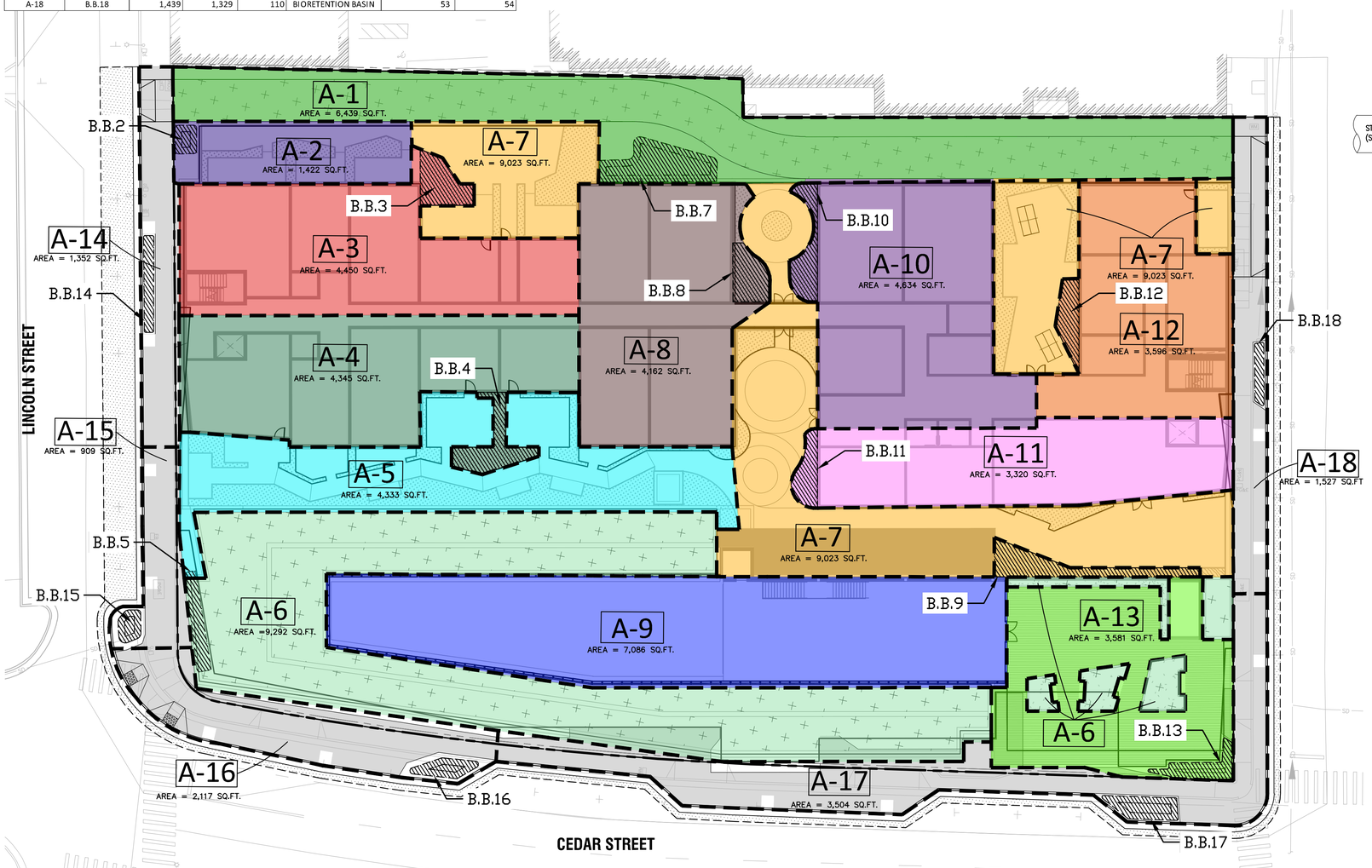
TIER 2. WATER QUALITY TREATMENT
– BIOTREATMENT AREA IS PROVIDED (MINIMUM 4% OF NEW IMPERVIOUS SURFACE)

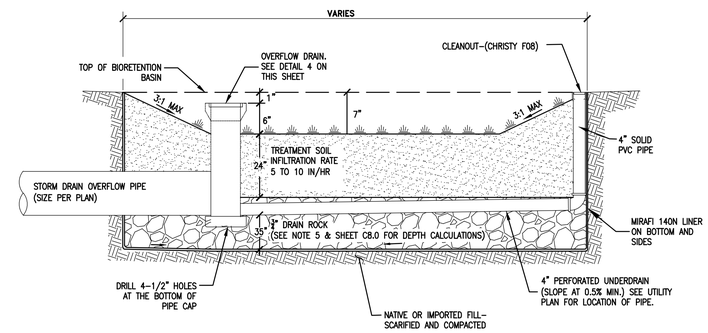
TIER 3. RETENTION REQUIREMENT
– EXEMPT. THE PROJECT SITE IS WITHIN AN URBAN SUSTAINABILITY AREA (USA) AND MEETS ALL OF THE SMALL PARCEL REQUIREMENTS (1–2 ACRE) AND IS WITHIN 0.25 MILES OF A TRANSIT HUB.

TIER 4. PEAK FLOW MANAGEMENT
– EXEMPT. CURRENT SITE IS DISCHARGING TO THE SAN LORENZO RIVER.

## LEGEND

- PROPERTY LINE
- DRAINAGE AREA BOUNDARY
- BIORETENTION BASIN
- SELF TREATING AREA
- LANDSCAPE AREA
- DRAINAGE AREA # — A-#
- BIORETENTION BASIN # — BB#




## TYPICAL TREATMENT BASIN SECTION

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

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# SANTA CRUZ LIBRARY MIXED USE STORMWATER CONTROL PLAN

SANTA CRUZ COUNTY, CALIFORNIA

SANTA CRUZ

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PLOT DATE: 09-09-22
PLOTTED BY: ankw

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Appendix G

**Geotechnical Report**

CORNERSTONE EARTH GROUP

| | |
|---|---|
| **Type of Services** | **Geotechnical Investigation** |
| **Project Name** | **Downtown Library Residential Mixed-Use** |
| **Location** | **Cathcart Street and Cedar Street<br>Santa Cruz, California** |
| **Client** | **For the Future Housing, Inc.** |
| **Client Address** | **950 S. Bascom Avenue, Suite 1014<br>San Jose, California** |
| **Project Number** | **1271-2-1** |
| **Date** | **June 2, 2022** |

DRAFT

**Prepared by** **Stephen C. Ohlsen, P.E.**
Project Engineer
Geotechnical Project Manager

**John Dye, P.E., G.E.**
Senior Principal Engineer
Quality Assurance Reviewer

1259 Oakmead Parkway | Sunnyvale, CA 94085
T 408 245 4600 | F 408 245 4620

1220 Oakland Boulevard, Suite 220 | Walnut Creek, CA 94596
T 925 988 9500 | F 925 988 9501

www.cornerstoneearth.com

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DRAFT

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APPENDIX A: FIELD INVESTIGATION
APPENDIX B: LABORATORY TEST PROGRAM

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| | |
|---|---|
| **Type of Services** | **Geotechnical Investigation** |
| **Project Name** | **Downtown Library Residential Mixed-Use** |
| **Location** | **Cathcart Street and Cedar Street** |
| | **Santa Cruz, California** |

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## SECTION 1: INTRODUCTION

This geotechnical report was prepared for the sole use of For the Future Housing, Inc. for the Santa Cruz Library Residential Mixed-Use project in Santa Cruz, California. The location of the site is shown on the Vicinity Map, Figure 1. For our use, we were provided with the following documents:

- Design workshop meeting package plan set titled "Downtown Library Mixed Use" prepared by Ten Over, dated February 3, 2022.
- Entitlements Package Draft plan set titled "Downtown Library Mixed Use" provided by Ten Over, dated April 14, 2022.

### 1.1 PROJECT DESCRIPTION

The project will include redeveloping the approximately 1¼-acre, generally rectangular site for a new library and multi-family residential mixed-use development. The new residential building will extend one-level below grade and up to eight floors above grade and will likely by of concrete-, steel- and wood-frame construction. The residential tower portion will be located along the eastern half of the building, and the library front along Cedar Street will be up to three floors with no below-grade parking. The below-grade level and first three floors of the residential tower are planned for parking, and the remaining floors are planned for residential units. The western half of the building will be comprised of the library, commercial space, and a daycare. A mezzanine, patio and "green roof" will be located above the library at the fourth floor. A 12-foot-wide alley is planned along the eastern property line between the new residential tower and the existing structures to the east. Appurtenant utilities, bioretention basins, and landscaping are also planned for development.

Structural loads are not available at this time; however, structural loads are expected to be typical for similar mid-rise structures. Estimated cuts and fills up to about 1 to 3 feet are expected for the at-grade building and 10 to 12 feet for the below grade parking garage.

### 1.2 SCOPE OF SERVICES

Our scope of services was presented in our proposal dated March 1, 2022 and consisted of field and laboratory programs to evaluate physical and engineering properties of the subsurface soils, engineering analysis to prepare recommendations for site work and grading, building foundations, flatwork, retaining walls, and pavements, and preparation of this report. Brief descriptions of our exploration and laboratory programs are presented below.

### 1.3 EXPLORATION PROGRAM

Field exploration consisted of three borings drilled on April 18 and 19, 2022 with truck-mounted hollow-stem auger drilling equipment and four Cone Penetration Tests (CPTs) advanced on April 11, 2022. The borings were drilled to depths of 60 to 80 feet; the CPTs were advanced to depths of 50 to 80 feet before encountering practical refusal. Seismic shear wave velocity measurements were collected from CPT-2 and CPT-4. Borings EB-1 and EB-3 were advanced adjacent to CPT-1 and CPT-3, respectively, for direct evaluation of physical samples to correlated soil behavior. The borings and CPTs were backfilled with cement grout in accordance with local requirements; exploration permits were obtained as required by local jurisdictions.

The approximate locations of our exploratory borings are shown on the Site Plan, Figure 2. Details regarding our field program are included in Appendix A.

### 1.4 LABORATORY TESTING PROGRAM

In addition to visual classification of samples, the laboratory program focused on obtaining data for foundation design and seismic ground deformation estimates. Testing included moisture contents, dry densities, Plasticity Index, and washed sieve analyses. Details regarding our laboratory program are included in Appendix B.

### 1.5 ENVIRONMENTAL SERVICES

Environmental services were not requested for this project. If environmental concerns are determined to be present during future evaluations, the project environmental consultant should review our geotechnical recommendations for compatibility with the environmental concerns.

## SECTION 2: REGIONAL SETTING

### 2.1 REGIONAL SEISMICITY

While seismologists cannot predict earthquake events, geologists from the U.S. Geological Survey have recently updated (in 2015) earlier estimates from their 2014 Uniform California Earthquake Rupture Forecast (Version 3; UCERF3) publication. The estimated probability of one or more magnitude 6.7 earthquakes (the size of the destructive 1994 Northridge earthquake) expected to occur somewhere in the San Francisco Bay Area has been revised (increased) to 72 percent for the period 2014 to 2043 (Aagaard et al., 2016). The faults in the

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region with the highest estimated probability of generating damaging earthquakes between 2014 and 2043 are the Hayward (33%), Calaveras (26%), and San Andreas Faults (22%). In this 30-year period, the probability of an earthquake of magnitude 6.7 or larger occurring is 22 percent along the San Andreas Fault and 33 percent for the Hayward Fault.

The faults considered capable of generating significant earthquakes are generally associated with the well-defined areas of crustal movement, which trend northwesterly. The table below presents the State-considered active faults within 25 kilometers of the site.

**Table 1: Approximate Fault Distances**

| Fault Name | Distance | |
|---|---|---|
| | (miles) | (kilometers) |
| Montery Bay-Tularcitos | 6.3 | 10.2 |
| Zayante-Vergeles | 8.1 | 13.0 |
| San Gregorio | 9.9 | 15.9 |
| San Andreas (1906) | 11.3 | 18.2 |
| Sargent | 12.5 | 20.1 |

A regional fault map is presented as Figure 3, illustrating the relative distances of the site to significant fault zones.

## SECTION 3: SITE CONDITIONS

### 3.1 SITE BACKGROUND

We reviewed historical aerial imagery provided online by Historical Aerials (http://www.historicaerials.com). A summary of pertinent surface changes at and near the site is as follows:

- 1952: The project site is occupied by two buildings and three asphalt concrete parking lots located off Center Street.
- 1956: Two buildings have been constructed on the eastern and western portions of the project site.
- 1968: The western building has been demolished and replaced with an asphalt parking area, and the eastern building has been rebuilt with a smaller footprint outside of the project site.
- 1982: The western half of the northern building has been demolished and replaced with asphalt parking lots.
- 2005: The southern building has been rebuilt with a smaller footprint, and no longer occupies the southeastern portion of the site. An asphalt parking area has taken its place, and the project site appears to remain relatively unchanged since the 2005 photo.

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## 3.2 SURFACE DESCRIPTION

Based on the parcel map provided by the County of Santa Cruz, the approximately 1¼-acre site is comprised of two parcels. Parcel 1 is comprised of the asphalt parking lot along Center Street and occupies the majority of the site. Parcel 2 is in the northeastern portion of the site and includes a two-story commercial building to be demolished for the planned development. The site is relatively level but graded to drain to existing storm drainage facilities.

At our exploration locations, surface pavements generally consisted of 2 to 5 inches of asphalt concrete over 5 to 8 inches of aggregate base. Based on visual observations overall, the existing pavements are in poor condition, with areas of significant alligator and transverse cracking.

## 3.3 SUBSURFACE CONDITIONS

Below the surface pavements, our explorations generally encountered existing undocumented fill underlain by native alluvial soil to the maximum depths explored during this investigation. A more detailed description of the subsurface conditions is presented in the following sections.

### 3.3.1 Undocumented Fills

Below the surface pavements, our borings generally encountered approximately 1 to 5½ feet of undocumented fill. The fills were highly variable in content and generally consisted of loose silty sands and loose poorly graded sand with silt. Abundant brick debris was encountered in Boring EB-1 at a depth of about 3 to 5 feet.

### 3.3.2 Alluvial Soils

Below the undocumented fill in exploratory Boring EB-1, the native alluvial soils consisted of loose to medium dense silty sand and poorly graded sand with silt to a depth of about 16 feet below existing site grades, followed by dense to very dense poorly graded sand with varying amounts of silt and gravel to the terminal boring depth of 60 feet.

At Boring EB-2, the fill is underlain by native alluvial soils consisting of very stiff lean clay with sand to a depth of about 6 feet, loose to medium dense silty sand and poorly graded sand with silt to about 27 feet below existing site grades, and dense to very dense silty sand and poorly graded sand with varying amounts of silt and gravel to the maximum boring depth of 80 feet.

Boring EB-3 encountered native alluvial soil below the undocumented fill consisting of very stiff lean clay with sand to a depth of about 5 feet followed by loose to medium dense silty sand and poorly graded sands with silt down to about 17 feet. The medium dense sands were underlain by dense to very dense poorly graded sand and silty sand to the terminal boring depth of 60 feet. A soft sandy silt layer was encountered between 32 and 36 feet below grade.

Below the terminal depth of our borings, our CPTs generally encountered poorly graded sands and silty sands to the maximum depth explored of approximately 80 feet. CPT-2 and CPT-4

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encountered practical refusal in dense sand layers at depths of approximately 77 and 80 feet below existing grades.

### 3.3.3 In-Situ Moisture Contents

Laboratory testing indicated that the in-situ moisture contents within the upper 15 feet range from about 6 percent under to 13 percent over the estimated laboratory optimum moisture.

## 3.4 GROUNDWATER

Groundwater was encountered in all three of our exploratory borings at depths ranging from 9 to 11 feet below current grades. CPT pore pressure measurements estimated groundwater depths of approximately 10 to 11 feet below current grades. All measurements were taken at the time of drilling and may not represent the stabilized levels that can be higher than the initial levels encountered.

We also reviewed groundwater data available online from the website GeoTracker, https://geotracker.waterboards.ca.gov/. Nearby monitoring well data indicates that groundwater has been measured at depths of approximately 7 to 10 feet below existing site grades at wells located at 1018 Pacific Ave (approximately 300 feet east) between 2004 and 2012.

Based on the above, we recommend a design groundwater depth of 7 feet below current site grades. Fluctuations in groundwater levels occur due to many factors including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors.

# SECTION 4: GEOLOGIC HAZARDS

## 4.1 FAULT SURFACE RUPTURE

As discussed above several significant faults are located within 25 kilometers of the site. The site is not located within a State-designated Alquist Priolo Earthquake Fault Zone. As shown in Figure 3, no known surface expression of fault traces is thought to cross the site; therefore, fault surface rupture hazard is not a significant geologic hazard at the site.

## 4.2 ESTIMATED GROUND SHAKING

Moderate to severe (design-level) earthquakes can cause strong ground shaking, which is the case for most sites within the Bay Area. A site modified peak ground acceleration ($PGA_M$) was determined in accordance with the 2019 California Building Code (CBC) and Section 21.5 of ASCE 7-16. Therefore, we recommend a site-specific $MCE_G$ peak ground acceleration, $PGA_M$, of 0.64g for this project.

## 4.3 LIQUEFACTION POTENTIAL

The site is not currently mapped by the State of California but is within a zone mapped as having a high liquefaction potential by the City of Santa Cruz. Our field and laboratory programs

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addressed this issue by testing and sampling potentially liquefiable layers to depths of at least 50 feet, performing visual classification on sampled materials, evaluating CPT data, and performing various tests to further classify soil properties.

### 4.3.1 Background

During strong seismic shaking, cyclically induced stresses can cause increased pore pressures within the soil matrix that can result in liquefaction triggering, soil softening due to shear stress loss, potentially significant ground deformation due to settlement within sandy liquefiable layers as pore pressures dissipate, and/or flow failures in sloping ground or where open faces are present (lateral spreading) (NCEER 1998). Limited field and laboratory data is available regarding ground deformation due to settlement; however, in clean sand layers settlement on the order of 2 to 4 percent of the liquefied layer thickness can occur. Soils most susceptible to liquefaction are loose, non-cohesive soils that are saturated and are bedded with poor drainage, such as sand and silt layers bedded with a cohesive cap.

### 4.3.2 Analysis

As discussed in the "Subsurface" section above, several sand layers were encountered below the design groundwater depth of 7 feet. Following the liquefaction analysis framework in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008), incorporating updates in *CPT and SPT Based Liquefaction Triggering Procedures* (Boulanger and Idriss, 2014), and in accordance with CDMG Special Publication 117A guidelines (CDMG, 2008) for quantitative analysis, these layers were analyzed for liquefaction triggering and potential post-liquefaction settlement. These methods compare the ratio of the estimated cyclic shaking (Cyclic Stress Ratio - CSR) to the soil's estimated resistance to cyclic shaking (Cyclic Resistance Ratio - CRR), providing a factor of safety against liquefaction triggering. Factors of safety less than or equal to 1.3 are considered to be potentially liquefiable and capable of post-liquefaction re-consolidation (i.e. settlement).

The CSR for each layer quantifies the stresses anticipated to be generated due to a design-level seismic event, is based on the peak horizontal acceleration generated at the ground surface discussed in the "Estimated Ground Shaking" section above and is corrected for overburden and stress reduction factors as discussed in the procedure developed by Seed and Idriss (1971) and updated in the 2008 Idriss and Boulanger monograph.

In estimating post-liquefaction settlement at the site, we have implemented a depth weighting factor proposed by Cetin (2009). Following evaluation of 49 high-quality, cyclically induced, ground settlement case histories from seven different earthquakes, Cetin proposed the use of a weighting factor based on the depth of layers. The weighting procedure was used to tune the surface observations at liquefaction sites to produce a better model fit with measured data. Aside from the better model fit it produced, the rationale behind the use of a depth weighting factor is based on the following: 1) upward seepage, triggering void ratio redistribution, and resulting in unfavorably higher void ratios for the shallower sublayers of soil layers; 2) reduced induced shear stresses and number of shear stress cycles transmitted to deeper soil layers due to initial liquefaction of surficial layers; and 3) possible arching effects due to nonliquefied soil

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layers. All these may significantly reduce the contribution of volumetric settlement of deeper soil layers to the overall ground surface settlement (Cetin, 2009).

The soil's CRR is estimated from the in-situ measurements from CPTs and laboratory testing on samples retrieved from our borings. SPT "N" values obtained from hollow-stem auger borings were not used in our analyses, as the "N" values obtained are less reliable in sands below groundwater. The tip pressures are corrected for effective overburden stresses, taking into consideration both the groundwater level at the time of exploration and the design groundwater level, and stress reduction versus depth factors. The CPT method utilizes the soil behavior type index ($I_C$) to estimate the plasticity of the layers.

The results of our CPT analyses (CPT-1 through CPT-4) are presented on Figures 4A to 4D of this report.

### 4.3.3 Summary

Our analyses indicate that several layers could potentially experience liquefaction triggering that could result in post-liquefaction total settlement at the ground surface ranging from approximately 5⅔ to 6½ inches based on the Yoshimine (2006) method. As discussed in SP 117A, differential movement for level ground sites over deep soil sites will be up to about two-thirds of the total settlement between independent foundation elements. In our opinion, differential settlements are anticipated to be on the order of 3¾ to 4¼-inches over a horizontal distance of 30 to 40 feet.

### 4.3.4 Ground Deformation and Surficial Cracking Potential

The methods used to estimate liquefaction settlements assume that there is a sufficient cap of non-liquefiable material to prevent ground deformation or sand boils. For ground deformation to occur, the pore water pressure within the liquefiable soil layer will need to be great enough to break through the overlying non-liquefiable layer, which could cause significant ground deformation and settlement. The work of Youd and Garris (1995) indicates that the 7-foot-thick layer of non-liquefiable cap is insufficient to prevent ground deformation and significant surficial cracking; therefore, additional settlement and differential movement may occur during a seismic event at the site unless the near surface soils are improved. Ground deformation potential will be mitigated following installation of ground improvement. Additional discussion of ground improvement is presented in the "Foundations" section of this report.

## 4.4 LATERAL SPREADING

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water; typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. As failure tends to propagate as block failures, it is difficult to analyze and estimate where the first tension crack will form.

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The current San Lorenzo River runs approximately 800 to 950 feet east of the proposed site. Based on review of Google Earth, the river bottom appears to be at approximately Elevation 4 feet. Therefore, the channel bottom is approximately 9 to 10 feet deep relative to existing site grades. As part of our liquefaction analyses, we calculated the Lateral Displacement Index (LDI) for potentially liquefiable layers based on methods presented in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008). LDI is a summation of the maximum shear strains versus depth, which is a measurement of the potential maximum displacement at that exploration location. Summations of the LDI values to a depth equal to twice the open face height were included. Based on our analysis, it appears that the potential for lateral spreading is moderate and could potentially result in lateral movement without ground improvement. Additional discussion of ground improvement is presented in the "Foundations" section of this report.

## 4.5 SEISMIC SETTLEMENT/UNSATURATED SAND SHAKING

Loose unsaturated sandy soils can settle during strong seismic shaking. We evaluated the potential for seismic compaction of the loose to medium dense sands based on the work by Robertson and Shao (2010). Based on our analyses, the potential for significant seismic settlement affecting the proposed improvements is low. In addition, we anticipate that the below-grade basement will remove unsaturated sands within the building footprint.

## 4.6 TSUNAMI/SEICHE

The terms tsunami or seiche are described as ocean waves or similar waves usually created by undersea fault movement or by a coastal or submerged landslide. Tsunamis may be generated at great distance from shore (far field events) or nearby (near field events). Waves are formed, as the displaced water moves to regain equilibrium, and radiates across the open water, similar to ripples from a rock being thrown into a pond. When the waveform reaches the coastline, it quickly raises the water level, with water velocities as high as 15 to 20 knots. The water mass, as well as vessels, vehicles, or other objects in its path create tremendous forces as they impact coastal structures.

Tsunamis have affected the coastline along the Pacific Northwest during historic times. The Fort Point tide gauge in San Francisco recorded approximately 21 tsunamis between 1854 and 1964. The 1964 Alaska earthquake generated a recorded wave height of 7.4 feet and drowned eleven people in Crescent City, California. For the case of a far-field event, the Bay area would have hours of warning; for a near field event, there may be only a few minutes of warning, if any.

A tsunami or seiche originating in the Pacific Ocean would lose much of its energy passing through San Francisco Bay. Based on the mapping of tsunami inundation potential for the San Francisco Bay Area by CGS (conservation.ca.gov/cgs/tsunami/maps), areas most likely to be inundated are marshlands, tidal flats, and former bay margin lands that are now artificially filled, but are still at or below sea level, and are generally within 1½ miles of the shoreline. The site is approximately ⅔ miles inland from the Pacific Ocean shoreline, is approximately 15 to 16 feet

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above mean sea level, and lies within a mapped tsunami hazard zone. Therefore, the potential for inundation due to tsunami or seiche is considered high.

### 4.7 FLOODING

Based on our internet search of the Federal Emergency Management Agency (FEMA) flood map public database, the site is located within Zone A99; areas to be protected from 1% annual chance flood event by a federal flood protection system under construction, no Base Flood Elevations determined. We recommend the project civil engineer be retained to confirm this information and verify the base flood elevation, if appropriate.

The Department of Water Resources (DWR), Division of Safety of Dams (DSOD) compiled a database of Dam Failure Inundation Hazard Maps (DSOD, 2015). The generalized hazard maps were prepared by dam owners as required by the State Office of Emergency Services; they are intended for planning purposes only. Based on our review of these maps, the site is located within a dam failure inundation area for the Newell Reservoir.

## SECTION 5: CONCLUSIONS

### 5.1 SUMMARY

From a geotechnical viewpoint, the project is feasible provided the concerns listed below are addressed in the project design. Descriptions of each concern with brief outlines of our recommendations follow the listed concerns.

- Potential for significant seismic settlements
- Potential for ground deformation and significant surficial cracking
- Potential for lateral spreading
- Undocumented fill and re-development considerations
- Shallow groundwater
- Presence of cohesionless soils
- Shoring and underpinning considerations
- Differential movement at on-grade to on-structure transitions

#### 5.1.1 Potential for Significant Seismic Settlements

As discussed, our liquefaction analysis indicates that there is a very high potential for liquefaction of localized sand layers during a significant seismic event. Our analysis indicates that liquefaction-induced settlement on the order of 5⅔ to 6½ inches could occur, resulting in differential settlement up to 4¼ inches. To mitigate the potential for significant differential movement, we recommend the structure be supported on shallow foundations overlying ground improvement. If conventional shallow footings with ground improvement are considered for the at-grade library, the ground floor slab will either need to be underlain by ground improvement as well, or be designed as a structural slab that is capable of spanning between footings unsupported. A discussion of potential mitigation options is presented in the “Foundations” and “Slabs-on-Grade” sections.

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### 5.1.2 Potential for Ground Deformation and Significant Surficial Cracking

The potential for ground deformation and significant surficial cracking is considered high and is correlated with the high potential for seismic settlement previously discussed. The resulting soil ejecta (sand boils), as observed in the Santa Cruz downtown during the 1989 Loma Prieta earthquake, could potentially occur near the edges of the site or in areas where ground improvement is not performed. Additional settlement and differential movement may occur during a seismic event at the site unless the near surface soils are improved. As discussed above, typical techniques to mitigate the potential ground deformation include ground improvement. and A reinforced concrete mat foundation can also be used to mitigate differential settlement and to provide confinement of liquefiable layers. A discussion of ground deformation mitigation options is presented in the "Foundations" section of this report.

### 5.1.3 Potential for Lateral Spreading

As discussed, there is a potential for lateral spreading towards the nearby San Lorenzo River. The potential for lateral displacement affecting the proposed improvements is high. As discussed above, we understand that the eastern half of the proposed structure will be supported on a single-level below-grade garage and that the entire structure, at- and below-grade, will be underlain by ground improvement mitigation. As such, we anticipate the potential for lateral displacement affecting the proposed improvements to be mitigated. A discussion of ground improvement options is presented in the "Foundations" section.

### 5.1.4 Undocumented Fill and Redevelopment Considerations

We encountered approximately 1 to 5½ feet of undocumented fill in our explorations and anticipate that fill may exist across much of the site due to previous development and grading. While we anticipate that most of the fill will be removed during the excavation of the below-grade garage, any at-grade building areas will be underlain by fill that may not provide uniform support for slabs-on-grade or other site improvements. Since the proposed library and residential mixed-use building will be supported on either shallow footings overlying ground improvement or a mat foundation overlying ground improvement at the basement level, in our opinion, a complete over-excavation and removal of existing fill is not required for the structure. However, after the ground improvement has been completed, the upper 2 feet of the at-grade building pad and at the basement level should be re-compacted to repair any damages that may have occurred and provide uniform support for slabs-on-grade or mat foundations. Further recommendations for mitigation of the existing fills are presented in the "Earthwork" section of this report.

Additionally, as discussed, the site is currently occupied by an existing building and appurtenant flatwork, site fixtures, and landscaping. We understand that all the existing improvements will be demolished for the construction of the new building. Potential issues that are often associated with redeveloping sites include demolition of existing improvements, abandonment of existing utilities, old foundations and slabs, and localized undocumented fills that may be deeper than encountered in our borings. Please refer to the "Earthwork" section below for further recommendations.

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### 5.1.5 Shallow Groundwater

Shallow groundwater was measured at depths ranging from approximately 9 to 11 feet below the existing ground surface. As discussed above, we recommend a design groundwater depth of 7 feet below existing grades. Our experience with similar sites in the vicinity indicates that shallow groundwater could significantly impact grading and underground construction. These impacts typically consist of potentially wet and unstable pavement and basement subgrade, difficulty achieving compaction, and difficult underground utility installation. Dewatering and shoring of utility trenches will be required. Foundations extending below the design groundwater level should be designed to resist hydrostatic pressures and be waterproofed. Detailed recommendations addressing this concern are presented in the "Earthwork" section of this report.

### 5.1.6 Presence of Cohesionless Soils

As mentioned, the site is underlain by cohesionless, sandy soils with low fines content. The sandy soils are not likely to stand vertical when excavated and excavation sidewalls for foundations, utility trenches, temporary slopes, basement excavation, etc. may cave in or accumulate significant amount of slough. Grading and excavation contractors should be made aware of this condition and plan on forming footings, preparing subgrade just prior to concrete placement, and other similar construction issues as relates to temporary shoring, utility excavations, etc. These issues are addressed within the "Earthwork" and "Foundations" sections of this report.

### 5.1.7 Shoring and Underpinning Considerations

For a one level below-grade basement, an approximately 12 to 15 feet deep excavation will likely be required for a shallow foundation excavation. Locally deeper excavations will be required if auto stacker pits are considered or for elevator pits. The adjacent buildings, sidewalks, streets and utilities along the sides of the site should be supported by temporary shoring until the permanent basement walls have been constructed. The primary considerations in selecting a suitable shoring system typically include 1) control of vertical and lateral ground surface or wall movements, 2) constructability, 3) dewatering and 4) cost. There are several possible methods of providing lateral support for the excavation, including a soldier pile and lagging retaining system, soldier pile tremie concrete (SPTC) walls or mixed-in-place soil/cement walls.

All systems would require tiebacks or internal bracing for lateral support. A soldier pile and lagging retaining system is more flexible and pervious than either an SPTC or mixed-in-place soil/cement wall. The latter two types of walls would be relatively rigid and could significantly limit lateral deflections and ground movement related to the shoring. In addition, SPTC or mixed-in-place soil/cement walls are relatively impervious and would reduce the volume of water pumped to dewater the site. The disadvantages of these systems are cost and space requirements, as they may require 2 to 3 feet around the perimeter of the site. A combination of these systems could be used depending on the performance desired along the various excavation faces. For example, some of the basement walls may encounter more permeable

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silt and sand layers that may be susceptible to sloughing or caving and would likely require greater volume of groundwater pumping. Where movements could be detrimental to adjacent existing buildings/improvements or it is not practical to install underpinning, the stiffer shoring systems could be used. The shoring system selected should be designed by a shoring designer or structural engineer experienced in the specific type of construction.

If the excavation extends below the level of an adjacent building foundation, lateral support should be provided to prevent loss of ground beneath existing slab-on-grade floors. Where adjacent foundations are above an imaginary 1:1 (horizontal to vertical) line extending up from the base of the excavation, they should be underpinned unless the shoring can be designed to provide lateral and/or vertical support for the structure. Additional design and construction considerations for the shoring system include the following items:

1. Soldier pile and lagging wall below the groundwater may experience difficulties with seepage, localized flowing sand and possible increased wall movement.
2. Adjacent structures may need to be underpinned to protect from ground movement associated with the proposed shoring system. Slant piles will likely be an acceptable method to underpin adjacent structures, although other methods are available. Underpinning will likely need to extend into competent soil below the excavation level.
3. The shoring will need to extend deep enough to reduce the potential for base heave, groundwater piping, and/or bearing failure.
4. Tie-backs in the upper loose to medium dense sands will likely require a smooth-cased tieback method and pressure grouting to develop sufficient bond strengths.
5. Internal bracing may be required in areas where tie-back encroachment is not feasible or allowed by adjacent property owners.
6. The contractor should establish survey points on the shoring and on adjacent improvements within 25 feet of the excavation perimeter prior to the start of excavation. These survey points should be used to monitor the vertical and horizontal movements of the shoring and surrounding improvements during construction. In addition, a thorough crack survey of the adjacent buildings should be performed by the project surveyor prior to the start of construction and immediately after its completion.

Recommendations for design of temporary shoring, tie-back anchors, dewatering and underpinning are presented in the following sections of this report.

### 5.1.8 Differential Movement at On-Grade to On-Structure Transitions

We anticipate areas adjacent to the planned basement that will have flatwork areas that may transition from on-grade support to overlying the basement. These transition areas typically experience increased differential movement due to a variety of causes, including difficulty in achieving compaction of retaining wall backfill closest to the wall.

If flush shoring is not utilized and engineered fill is placed behind retaining walls extending to near finished grade, we recommend consideration be given to dowels between the pavement and building or subslabs beneath flatwork or pavers that can cantilever at least 3 feet beyond the wall. Hinge slabs and subslabs should be considered at these transitions at garage

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entrances. If surface improvements are included that are highly sensitive to differential movement, additional measures may be necessary. We also recommend that retaining wall backfill be compacted to 95 percent where surface improvements are planned (see "Retaining Wall" section). At this time, we do not anticipate any at-grade portions of the building to extend beyond the basement limits. We should be consulted if this changes.

### 5.2 PLANS AND SPECIFICATIONS REVIEW

We recommend that we be retained to review the geotechnical aspects of the project structural, civil, and landscape plans and specifications, allowing sufficient time to provide the design team with any comments prior to issuing the plans for construction.

### 5.3 CONSTRUCTION OBSERVATION AND TESTING

As site conditions may vary significantly between the small-diameter borings performed during this investigation, we also recommend that a Cornerstone representative be present to provide geotechnical observation and testing during earthwork and foundation construction. This will allow us to form an opinion and prepare a letter at the end of construction regarding contractor compliance with project plans and specifications, and with the recommendations in our report. We will also be allowed to evaluate any conditions differing from those encountered during our investigation and provide supplemental recommendations as necessary. For these reasons, the recommendations in this report are contingent of Cornerstone providing observation and testing during construction. Contractors should provide at least a 48-hour notice when scheduling our field personnel.

## SECTION 6: EARTHWORK

### 6.1 SITE DEMOLITION

All existing improvements not to be reused for the current development, including all foundations, flatwork, pavements, utilities, and other improvements should be demolished and removed from the site. Recommendations in this section apply to the removal of these improvements, which are currently present on the site, prior to the start of mass grading or the construction of new improvements for the project.

Cornerstone should be notified prior to the start of demolition and should be present on at least a part-time basis during all backfill and mass grading as a result of demolition. Occasionally, other types of buried structures (wells, cisterns, debris pits, etc.) can be found on sites with prior development. If encountered, Cornerstone should be contacted to address these types of structures on a case-by-case basis.

#### 6.1.1 Demolition of Existing Slabs, Foundations and Pavements

All slabs, foundations, and pavements should be completely removed from within planned building areas. A discussion of recycling existing improvements is provided later in this report.

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Special care should be taken during the demolition and removal of existing floor slabs, foundations, utilities and pavements to minimize disturbance of the subgrade. Excessive disturbance of the subgrade, which includes either native or previously placed engineered fill, resulting from demolition activities can have serious detrimental effects on planned foundation and paving elements.

Existing foundations are typically mat-slabs, shallow footings, or piers/piles. If slab or shallow footings are encountered, they should be completely removed. If drilled piers are encountered, they should be cut off at an elevation at least 60-inches below proposed footings or the final subgrade elevation, whichever is deeper. The remainder of the drilled pier could remain in place. Foundation elements to remain in place should be surveyed and superimposed on the proposed development plans to determine the potential for conflicts or detrimental impacts to the planned construction. Following review, additional mitigation or planned foundation elements may need to be modified.

### 6.1.2 Abandonment of Existing Utilities

All utilities should be completely removed from within planned building areas. For any utility line to be considered acceptable to remain within building areas, the utility line must be completely backfilled with grout or sand-cement slurry (sand slurry is not acceptable), the ends outside the building area capped with concrete, and the trench fills either removed and replaced as engineered fill with the trench side slopes flattened to at least 1:1, or the trench fills are determined not to be a risk to the structure. The assessment of the level of risk posed by the particular utility line will determine whether the utility may be abandoned in place or needs to be completely removed. The contractor should assume that all utilities will be removed from within building areas unless provided written confirmation from both the owner and the geotechnical engineer.

Utilities extending beyond the building area may be abandoned in place provided the ends are plugged with concrete, they do not conflict with planned improvements, and that the trench fills do not pose significant risk to the planned surface improvements.

The risk for owners associated with abandoning utilities in place include the potential for future differential settlement of existing trench fills, and/or partial collapse and potential ground loss into utility lines that are not completely filled with grout.

## 6.2 SITE CLEARING AND PREPARATION

### 6.2.1 Site Stripping

The site should be stripped of all surface vegetation, and surface and subsurface improvements to be removed within the proposed development area. Demolition of existing improvements is discussed in the prior paragraphs. A detailed discussion of removal of existing fills is provided later in this report. Surface vegetation and topsoil should be stripped to a sufficient depth to remove all material greater than 3 percent organic content by weight. Based on our site

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observations, surficial stripping should extend about 4 to 6 inches below existing grade in vegetated areas that will have at-grade improvements.

### 6.2.2 Tree and Shrub Removal

Trees and shrubs designated for removal should have the root balls and any roots greater than ½-inch diameter removed completely. Mature trees are estimated to have root balls extending to depths of 2 to 4 feet, depending on the tree size. Significant root zones are anticipated to extend to the diameter of the tree canopy. Grade depressions resulting from root ball removal should be cleaned of loose material and backfilled in accordance with the recommendations in the "Compaction" section of this report.

## 6.3 RE-COMPACTION OF UNDOCUMENTED FILLS

As the building will be supported on ground improvement elements, we recommend that the upper 2 feet of the building pad be over-excavated following the ground improvement installation to re-compact areas disturbed by the ground improvement process and to provide a uniform support for the proposed slab-on-grade or mat foundation. Depending on the final building pad elevation and foundation type, the depths of the over-excavation may be modified in the field.

Provided the fills meet the "Material for Fill" requirements below, the shallow fills may be reused when backfilling the excavations. If materials are encountered that do not meet the requirements, such as debris, wood, trash, those materials should be screened out of the remaining material and be removed from the site. Backfill of excavations should be placed in lifts and compacted in accordance with the "Compaction" section below.

Fills extending into planned pavement and flatwork areas may be left in place provided they are determined to be a low risk for future differential settlement and that the upper 12 inches of fill below pavement subgrade is re-worked and compacted as discussed in the "Compaction" section below.

## 6.4 TEMPORARY CUT AND FILL SLOPES

The contractor is responsible for maintaining all temporary slopes and providing temporary shoring where required. Temporary shoring, bracing, and cuts/fills should be performed in accordance with the strictest government safety standards. On a preliminary basis, the upper 20 feet at the site may be classified as OSHA Soil Type C materials. Recommended soil parameters for temporary shoring are provided in the "Temporary Shoring" section of this report.

Excavations performed during site demolition and fill removal should be sloped at 3:1 (horizontal:vertical) within the upper 5 feet below building subgrade. Actual excavation inclinations should be reviewed in the field during construction, as needed. Excavations below building subgrade and excavations in pavement and flatwork areas should be sloped in accordance with OSHA soil classification requirements.

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## 6.5 BELOW-GRADE EXCAVATIONS

Below-grade excavations may be constructed with temporary slopes in accordance with the "Temporary Cut and Fill Slopes" section above if space allows. Alternatively, temporary shoring may support the planned cuts up to 15 feet. We have provided geotechnical parameters for shoring design in the section below. The choice of shoring method should be left to the contractor's judgment based on experience, economic considerations and adjacent improvements such as utilities, pavements, and foundation loads. Temporary shoring should support adjacent improvements without distress and should be the contractor's responsibility. A pre-condition survey including photographs and installation of monitoring points for existing site improvements should be included in the contractor's scope. We should be provided the opportunity to review the geotechnical parameters of the shoring design prior to implementation; the project structural engineer should be consulted regarding support of adjacent structures.

### 6.5.1 Temporary Shoring

Based on the site conditions encountered during our investigation, the cuts may be supported by soldier beams and tie-backs, braced excavations, soil nailing, or potentially other methods. Where shoring will extend more than about 10 feet, restrained shoring will most likely be required to limit detrimental lateral deflections and settlement behind the shoring. In addition to soil earth pressures, the shoring system will need to support adjacent loads such as construction vehicles and incidental loading, existing structure foundation loads, and street loading. We recommend that heavy construction loads (cranes, etc.) and material stockpiles be kept at least 15 feet behind the shoring. Where this loading cannot be set back, the shoring will need to be designed to support the loading. The shoring designer should provide for timely and uniform mobilization of soil pressures that will not result in excessive lateral deflections. Minimum suggested geotechnical parameters for shoring design are provided in the table below.

**Table 2: Suggested Temporary Shoring Design Parameters**

| Design Parameter | Design Value |
|---|---|
| Minimum Lateral Wall Surcharge (upper 5 feet) | 120 psf |
| Cantilever Wall – Triangular Earth Pressure | 40 pcf |
| Restrained Wall – Uniform Earth Pressure | 25H* |
| Passive Pressure – Starting at 2 feet below the bottom of the excavation | 375 pcf up to 3,000 psf maximum uniform pressure |

* H equals the height of the excavation; passive pressures are assumed to act over twice the soldier pile diameter

The restrained earth pressure may also be distributed as described in Figure 24 of the *FHWA Circular No. 4 – Ground Anchors and Anchored Systems* (with the hinge points at ¼H and ¾H) provided the total pressure is established from the uniform pressure above.

If shotcrete lagging is used for the shoring facing, the permanent retaining wall drainage materials, as discussed in the "Wall Drainage" section of this report, will need to be installed

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during temporary shoring construction. At a minimum, 2-foot-wide vertical panels should be placed between soil nails or tiebacks that are spaced at 6-foot centers. For 8-foot centers, 4-foot-wide vertical panels should be provided. A horizontal strip drain connecting the vertical panels should be provided, or pass-through connections should be included for each vertical panel.

We performed our borings with hollow-stem auger drilling equipment and as such were not able to evaluate the potential for caving soils, which can create difficult conditions during soldier beam, tie-back, or soil nail installation; caving soils can also be problematic during excavation and lagging placement. The contractor is responsible for evaluating excavation difficulties prior to construction. Where relatively clean sands (especially encountered below groundwater) or difficult drilling or cobble conditions were encountered during our exploration, pilot holes performed by the contractor may be desired to further evaluate these conditions prior to the finalization of the shoring budget.

In addition to anticipated deflection of the shoring system, other factors such as voids created by soil sloughing, and erosion of granular layers due to perched water conditions can create adverse ground subsidence and deflections. The contractor should attempt to cut the excavation as close to neat lines as possible. Where voids are created, they should be backfilled as soon as possible with sand, gravel, or grout.

As previously mentioned, we recommend that a monitoring program be developed and implemented to evaluate the effects of the shoring on adjacent improvements. All sensitive improvements should be located and monitored for horizontal and vertical deflections and distress cracking based on a pre-construction survey. For multi-level excavations, the installation of inclinometers at critical areas may be desired for more detailed deflection monitoring. The monitoring frequency should be established and agree to by the project team prior to start of shoring construction.

The above recommendations are for the use of the design team; the contractor in conjunction with input from the shoring designer should perform additional subsurface exploration they deem necessary to design the chosen shoring system. A California-licensed civil or structural engineer must design and be in responsible charge of the temporary shoring design. The contractor is responsible for means and methods of construction, as well as site safety.

### 6.5.2 Construction Dewatering

Groundwater levels are expected to be as high as 5 to 7 feet above the planned excavation bottom; therefore, temporary dewatering will be necessary during construction. Design, selection of the equipment and dewatering method, and construction of temporary dewatering should be the responsibility of the contractor. Modifications to the dewatering system are often required in layered alluvial soils and should be anticipated by the contractor. The dewatering plan, including planned dewatering well filter pack materials, should be forwarded to our office for review prior to implementation.

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The dewatering design should maintain groundwater at least 5 feet below the bottom of the mass excavation, and at least 2 feet below localized excavations such as deepened footings, elevator shafts, and utilities. If the dewatering system was to shut down for an extended period of time, destabilization and/or heave of the excavation bottom requiring over-excavation and stabilization, flooding and softening, and/or shoring failures could occur; therefore, we recommend that a backup power source be considered.

Depending on the groundwater quality and previous environmental impacts to the site and surrounding area, settlement and storage tanks, particulate filtration, and environmental testing may be required prior to discharge, either into storm or sanitary, or trucked to an off-site facility.

### 6.5.3 Underpinning

Where foundations for adjacent buildings are above an imaginary 1:1 line drawn up from the bottom of the proposed basement excavation, they should be underpinned, or the shoring should be designed to provide vertical and lateral support for adjacent structures. If underpinning is required, we judge slant piles or offset augercast piles will be acceptable methods to underpin adjacent structures. On a preliminary basis, underpinning piles/piers may be designed using an ultimate frictional resistance of 800 pounds per square foot, provided they are embedded at least 15 feet below the basement excavation level. The underpinning designer should apply an appropriate factor of safety to the above ultimate capacity, as required. To reduce movement and provide adequate foundation support during installation of the underpinning piers, adjacent piers should not be drilled or excavated concurrently. We recommend underpinning piers should be preloaded prior to dry packing. We should observe the installation of the underpinning piers to check that adequate embedment has been achieved.

If slant piles are used, they should be designed by the underpinning contractor, and we should review the geotechnical aspects of the underpinning design.

## 6.6 AT-GRADE SUBGRADE PREPARATION

After site clearing and demolition is complete, and prior to backfilling any excavations resulting from fill removal or demolition, the excavation subgrade and subgrade within areas to receive additional site fills, slabs-on-grade and/or pavements should be scarified to a depth of 6 inches, moisture conditioned, and compacted in accordance with the “Compaction” section below.

Due to the sandy soils likely to be encountered at the subgrade elevation, we recommend that subgrade compaction and proof rolling be performed within 24 hours of capillary break layer or slab-on-grade construction.

## 6.7 WET SOIL STABILIZATION GUIDELINES

Native soil and fill materials, especially soils with high fines contents such as clays and silty soils, can become unstable due to high moisture content, whether from high in-situ moisture contents or from winter rains. As the moisture content increases over the laboratory optimum, it

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becomes more likely the materials will be subject to softening and yielding (pumping) from construction loading or become unworkable during placement and compaction.

As discussed in the "Subsurface" section in this report, the in-situ moisture contents are up to about 13 percent over the estimated laboratory optimum in the upper 15 feet of the soil profile. The contractor should anticipate drying the soils prior to reusing them as fill. In addition, repetitive rubber-tire loading will likely de-stabilize the soils.

There are several methods to address potential unstable soil conditions and facilitate fill placement and trench backfill. Some of the methods are briefly discussed below. Implementation of the appropriate stabilization measures should be evaluated on a case-by-case basis according to the project construction goals and the site conditions.

### 6.7.1 Scarification and Drying

The subgrade may be scarified to a depth of 6 to 8 inches and allowed to dry to near optimum conditions, if sufficient dry weather is anticipated to allow sufficient drying. More than one round of scarification may be needed to break up the soil clods.

### 6.7.2 Removal and Replacement

As an alternative to scarification, the contractor may choose to over-excavate the unstable soils and replace them with dry on-site or import materials. A Cornerstone representative should be present to provide recommendations regarding the appropriate depth of over-excavation, whether a geosynthetic (stabilization fabric or geogrid) is recommended, and what materials are recommended for backfill.

### 6.7.3 Chemical Treatment

Where the unstable area exceeds about 5,000 to 10,000 square feet and/or site winterization is desired, chemical treatment with quicklime (CaO), kiln-dust, or cement may be more cost-effective than removal and replacement. Recommended chemical treatment depths will typically range from 12 to 18 inches depending on the magnitude of the instability.

### 6.7.4 Below-Grade Excavation Stabilization

The proposed building excavation will extend into saturated silt and sand with varying strength. Due to the high moisture content of these materials, it will likely become unstable under the weight of track-mounted or rubber-tired construction equipment. To provide a firm base for construction of the foundation, it may be necessary to remove approximately 12 to 18 inches of native soil below the foundation level and replace it with a bridging layer, such as crushed rock and a layer of stabilization fabric, such as Mirafi HP 370A or approved equivalent. The crushed rock should be consolidated in place with light vibratory equipment. Rubber-tire equipment should not be allowed to operate on the exposed subgrade; the crushed rock should be stockpiled and pushed out over the stabilization fabric. Lime and/or cement treatment can also be considered for the upper 12 to 18 inches of exposed basement soils, which would likely

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require 4 to 5 percent lime or cement to create a bridging layer. Lastly, a layer of lean cement-sand slurry layer ("rat slab") may be considered or a combination of the two. Temporary dewatering to a depth of at least 3 to 5 feet below the bottom of the building excavation is recommended during construction.

## 6.8 MATERIAL FOR FILL

### 6.8.1 Re-Use of On-site Soils

On-site soils with an organic content less than 3 percent by weight may be reused as general fill. General fill should not have lumps, clods or cobble pieces larger than 6 inches in diameter; 85 percent of the fill should be smaller than 2½ inches in diameter. Minor amounts of oversize material (smaller than 12 inches in diameter) may be allowed provided the oversized pieces are not allowed to nest together and the compaction method will allow for loosely placed lifts not exceeding 12 inches.

### 6.8.2 Re-Use of On-Site Site Improvements

We anticipate that significant quantities of asphalt concrete (AC) grindings and aggregate base (AB). If the AC grindings are mixed with the underlying AB to meet Class 2 AB specifications, they may be reused within the new pavement and flatwork structural sections, including within below-grade parking garage slab-on-grade areas (provided crushed rock is not required due to the proximity to groundwater). AC grindings may not be reused within the habitable building areas. Laboratory testing will be required to confirm the grindings meet project specifications.

### 6.8.3 Potential Import Sources

Imported soil for use as general fill material should be inorganic with a Plasticity Index (PI) of 15 or less, and not contain recycled asphalt concrete where it will be used within the habitable building areas. To prevent significant caving during trenching or foundation construction, imported material should have sufficient fines. Samples of potential import sources should be delivered to our office at least 10 days prior to the desired import start date. Information regarding the import source should be provided, such as any site geotechnical reports. If the material will be derived from an excavation rather than a stockpile, potholes will likely be required to collect samples from throughout the depth of the planned cut that will be imported. At a minimum, laboratory testing will include PI tests. Material data sheets for select fill materials (Class 2 aggregate base, ¾-inch crushed rock, quarry fines, etc.) listing current laboratory testing data (not older than 6 months from the import date) may be provided for our review without providing a sample. If current data is not available, specification testing will need to be completed prior to approval.

Environmental and soil corrosion characterization should also be considered by the project team prior to acceptance. Suitable environmental laboratory data to the planned import quantity should be provided to the project environmental consultant; additional laboratory testing may be required based on the project environmental consultant's review. The potential import source

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should also not be more corrosive than the on-site soils, based on pH, saturated resistivity, and soluble sulfate and chloride testing.

## 6.9 COMPACTION REQUIREMENTS

All fills, and subgrade areas where fill, slabs-on-grade, and pavements are planned, should be placed in loose lifts 8 inches thick or less and compacted in accordance with ASTM D1557 (latest version) requirements as shown in the table below. In general, clayey soils should be compacted with sheepsfoot equipment and sandy/gravelly soils with vibratory equipment; open-graded materials such as crushed rock should be placed in lifts no thicker than 18 inches and consolidated in place with vibratory equipment. Each lift of fill and all subgrade should be firm and unyielding under construction equipment loading in addition to meeting the compaction requirements to be approved. The contractor (with input from a Cornerstone representative) should evaluate the in-situ moisture conditions, as the use of vibratory equipment on soils with high moistures can cause unstable conditions. General recommendations for soil stabilization are provided in the "Wet Soil Stabilization Guidelines" section of this report.

**Table 2: Compaction Requirements**

| Description | Material Description | Minimum Relative[1] Compaction (percent) | Moisture[2] Content (percent) |
|---|---|---|---|
| General Fill (within upper 5 feet) | On-Site Soils | 90 | >1 |
| General Fill (below a depth of 5 feet) | On-Site Soils | 95 | >1 |
| Basement Wall Backfill | Without Surface Improvements | 90 | >1 |
| | With Surface Improvements | 95[4] | >1 |
| Trench Backfill | On-Site Soils | 90 | >1 |
| Trench Backfill (upper 6 inches of subgrade) | On-Site Soils | 95 | >1 |
| Crushed Rock Fill | ¾-inch Clean Crushed Rock | Consolidate In-Place | NA |
| Non-Expansive Fill | Imported Non-Expansive Fill | 90 | Optimum |
| Flatwork Subgrade | On-Site Soils | 90 | >1 |
| Flatwork Aggregate Base | Class 2 Aggregate Base[3] | 90 | Optimum |
| Pavement Subgrade | On-Site Soils | 95 | >1 |
| Pavement Aggregate Base | Class 2 Aggregate Base[3] | 95 | Optimum |
| Asphalt Concrete | Asphalt Concrete | 95 (Marshall) | NA |

1 – Relative compaction based on maximum density determined by ASTM D1557 (latest version)
2 – Moisture content based on optimum moisture content determined by ASTM D1557 (latest version)
3 – Class 2 aggregate base shall conform to Caltrans Standard Specifications, latest edition, except that the relative compaction should be determined by ASTM D1557 (latest version)
4 – Using light-weight compaction or walls should be braced

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## 6.10 TRENCH BACKFILL

Utility lines constructed within public right-of-way should be trenched, bedded and shaded, and backfilled in accordance with the local or governing jurisdictional requirements. Utility lines in private improvement areas should be constructed in accordance with the following requirements unless superseded by other governing requirements.

All utility lines should be bedded and shaded to at least 6 inches over the top of the lines with crushed rock (⅜-inch-diameter or greater) or well-graded sand and gravel materials conforming to the pipe manufacturer's requirements. Open-graded shading materials should be consolidated in place with vibratory equipment and well-graded materials should be compacted to at least 90 percent relative compaction with vibratory equipment prior to placing subsequent backfill materials.

General backfill over shading materials may consist of on-site native materials provided they meet the requirements in the "Material for Fill" section, and are moisture conditioned and compacted in accordance with the requirements in the "Compaction" section.

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

## 6.11 SITE DRAINAGE

Ponding should not be allowed adjacent to building foundations, slabs-on-grade, or pavements. Hardscape surfaces should slope at least 2 percent towards suitable discharge facilities; landscape areas should slope at least 3 percent towards suitable discharge facilities. Roof runoff should be directed away from building areas in closed conduits, to approved infiltration facilities, or on to hardscaped surfaces that drain to suitable facilities. Retention, detention or infiltration facilities should be spaced at least 10 feet from buildings, and preferably at least 5 feet from slabs-on-grade or pavements. However, if retention, detention or infiltration facilities are located within these zones, we recommend that these treatment facilities meet the requirements in the Storm Water Treatment Design Considerations section of this report.

## 6.12 LOW-IMPACT DEVELOPMENT (LID) IMPROVEMENTS

The Municipal Regional Permit (MRP) requires regulated projects to treat 100 percent of the amount of runoff identified in Provision C.3.d from a regulated project's drainage area with low impact development (LID) treatment measures onsite or at a joint stormwater treatment facility. LID treatment measures are defined as rainwater harvesting and use, infiltration,

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evapotranspiration, or biotreatment. A biotreatment system may only be used if it is infeasible to implement harvesting and use, infiltration, or evapotranspiration at a project site.

Technical infeasibility of infiltration may result from site conditions that restrict the operability of infiltration measures and devices. Various factors affecting the feasibility of infiltration treatment may create an environmental risk, structural stability risk, or physically restrict infiltration. The presence of any of these limiting factors may render infiltration technically infeasible for a proposed project. To aid in determining if infiltration may be feasible at the site, we provide the following site information regarding factors that may aid in determining the feasibility of infiltration facilities at the site.

- The near-surface soils at the site are clayey and categorized as Hydrologic Soil Group C, and is expected to have infiltration rates on the order of ½ to 1 inch per hour.
- Seasonal high groundwater is not mapped in the area but was encountered as high as 8 feet below grade in our explorations, and therefore is expected to be within 10 feet below the base of infiltration measures.
- In our opinion, infiltration locations within 10 feet of the buildings would create a geotechnical hazard.
- The site has a known geotechnical hazard consisting of soils subject to liquefaction; therefore, stormwater infiltration facilities may not be feasible.
- High infiltrating native soils, such as sand and gravel, may not be protective of groundwater at a project site where infiltration devices are implemented.
- Local Water District policies or guidelines may limit locations where infiltration may occur, require greater separation from seasonal high groundwater, or require greater setbacks from potential sources of pollution.

### 6.12.1 Storm Water Treatment Design Considerations

If storm water treatment improvements, such as shallow bio-retention swales, basins or pervious pavements, are required as part of the site improvements to satisfy Storm Water Quality (C.3) requirements, we recommend the following items be considered for design and construction.

#### 6.12.1.1 General Bioswale Design Guidelines

- If possible, avoid placing bioswales or basins within 10 feet of the building perimeter or within 5 feet of exterior flatwork or pavements. If bioswales must be constructed within these setbacks, the side(s) and bottom of the trench excavation should be lined with 10-mil visqueen to reduce water infiltration into the surrounding soil.

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- Bioswales constructed within 3 feet of proposed buildings may be within the foundation zone of influence for perimeter wall loads. Therefore, where bioswales will parallel foundations and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the foundation, the foundation will need to be deepened so that the bottom edge of the bioswale filter material is above the foundation plane of influence.

- The bottom of bioswale or detention areas should include a perforated drain placed at a low point, such as a shallow trench or sloped bottom, to reduce water infiltration into the surrounding soils near structural improvements.

#### 6.12.1.2 Bioswale Infiltration Material

- Gradation specifications for bioswale filter material, if required, should be specified on the grading and improvement plans.

- Compaction requirements for bioswale filter material in non-landscaped areas or in pervious pavement areas, if any, should be indicated on the plans and specifications to satisfy the anticipated use of the infiltration area.

- If bioswales are to be vegetated, the landscape architect should select planting materials that do not reduce or inhibit the water infiltration rate, such as covering the bioswale with grass sod containing a clayey soil base.

- Due to the relatively loose consistency and/or high organic content of many bioswale filter materials, long-term settlement of the bioswale medium should be anticipated. To reduce initial volume loss, bioswale filter material should be wetted in 12-inch lifts during placement to pre-consolidate the material. Mechanical compaction should not be allowed, unless specified on the grading and improvement plans, since this could significantly decrease the infiltration rate of the bioswale materials.

- It should be noted that the volume of bioswale filter material may decrease over time depending on the organic content of the material. Additional filter material may need to be added to bioswales after the initial exposure to winter rains and periodically over the life of the bioswale areas, as needed.

#### 6.12.1.3 Bioswale Construction Adjacent to Pavements

If bio-infiltration swales or basins are considered adjacent to proposed parking lots or exterior flatwork, we recommend that mitigative measures be considered in the design and construction of these facilities to reduce potential impacts to flatwork or pavements. Exterior flatwork, concrete curbs, and pavements located directly adjacent to bio-swales may be susceptible to settlement or lateral movement, depending on the configuration of the bioswale and the setback between the improvements and edge of the swale. To reduce the potential for distress to these improvements due to vertical or lateral movement, the following options should be considered by the project civil engineer:

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- Improvements should be setback from the vertical edge of a bioswale such that there is at least 1 foot of horizontal distance between the edge of improvements and the top edge of the bioswale excavation for every 1 foot of vertical bioswale depth, or

- Concrete curbs for pavements, or lateral restraint for exterior flatwork, located directly adjacent to a vertical bioswale cut should be designed to resist lateral earth pressures in accordance with the recommendations in the "Retaining Walls" section of this report, or concrete curbs or edge restraint should be adequately keyed into the native soil or engineered to reduce the potential for rotation or lateral movement of the curbs.

# SECTION 7: 2019 CBC SEISMIC DESIGN CRITERIA

## 7.1 SEISMIC DESIGN CRITERIA

We developed site-specific seismic design parameters in accordance with Chapter 16, Chapter 18 and Appendix J of the 2019 California Building Code (CBC) and Chapters 11, 12, 20, and 21 and Supplement No. 1 of ASCE 7-16.

### 7.1.1 Site Location and Provided Data For 2019 CBC Seismic Design

The project is located at latitude 36.972057° and longitude -122.026600°, which is based on Google Earth (WGS84) coordinates at the approximate center of 600 Cedar Street in Santa Cruz, California. We have assumed that a Seismic Importance Factor ($I_e$) of 1.00 has been assigned to the structure in accordance with Table 1.5-2 of ASCE 7-16 for structures classified as Risk Category II. The building period has not been provided by the project structural engineer.

## 7.2 2019 CBC SEISMIC DESIGN CRITERIA

As discussed in the "Subsurface" of our report, our CPT and exploratory borings encountered medium dense to dense sands and soft to very stiff silt and clay deposits to a depth of 80 feet, the maximum depth explored. Shear wave velocity ($V_S$) measurements were performed while advancing CPT-4, resulting in a time-averaged shear wave velocity for the top 30 meters ($V_{S30}$) of 225 meters per second (738 feet per second), for the upper 100 feet.

### 7.2.1 2019 CBC Seismic Design

As our borings encountered deep alluvial soils with shear wave velocity for the upper 30 meters between 600 and 1200 feet per second, per section 20.3.2 of ASCE 7-16, we have classified the site as Soil Classification D, which is described as a "stiff soil" profile. Because we used site specific data from our explorations and laboratory testing, the site class should be considered as "determined" for the purposes of estimating the seismic design parameters from the code. Our site-specific ground motion hazard analysis considered a $V_{S30}$ of 225 m/s (738 ft/s).

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We note that due to the potential for liquefaction and the potential for affects to the proposed structures appear high, based on Section 20.3.1 of ASCE 7-16, the site should be classified as Site Class F and a site response analysis in accordance with Section 21.1 of ASCE 7-16 shall be performed, unless the proposed structures meet the following exception:

> **EXCEPTION:** For structures that have fundamental periods of vibration equal to or less than 0.5s, site response analysis is not required to determine spectral accelerations for liquefiable soils. Rather, a site class is permitted to be determined in accordance with Section 20.3 and the corresponding values of $F_a$ and $F_v$ determined from Tables 11.4-1 and 11.4-2.

If ground improvement is performed under the entirety of the building, including under the at-grade and below-grade portions, to mitigate liquefaction settlement estimates in accordance with recommendations provided in the "Ground Improvement" sections below, in our opinion, a Site Classification of D is still valid even if the structures' periods are greater than 0.5 seconds. If ground improvement is not performed, then additional geotechnical analysis and review will need to be performed to see if a site-specific response analysis is required.

In accordance with Section 11.4.8 of ASCE 7-16, we performed a ground motion hazard analysis following Chapter 21, Section 21.2 of ASCE 7-16. We evaluated both Probabilistic $MCE_R$ Ground Motions in accordance with Method 1 and Deterministic $MCE_R$ Ground Motions to generate our recommended design response spectrum for the project, see Figure 5. The recommended design spectral accelerations and associated periods are provided in graphically on Figure 6.

## SECTION 8: FOUNDATIONS

### 8.1 SUMMARY OF RECOMMENDATIONS

As discussed in the "Conclusions" section, we recommend that the proposed structure be supported on shallow foundations overlying ground improvement to mitigate the potential for liquefaction-induced settlement and lateral spreading. Ground improvement can be used to mitigate the settlement to tolerable levels and, provided the recommendations in the "Earthwork" section and subsequent sections below are followed, the proposed structures may be supported on shallow foundations. We recommend a design-build ground improvement contractor design the mitigation using an appropriate ground improvement technique to meet the project requirements. Foundation recommendations are presented in the following sections.

### 8.2 SHALLOW FOUNDATIONS

#### 8.2.1 Conventional Shallow Footings – At-Grade

Provided ground improvement is performed in accordance with recommendations in this report, we anticipate that the at-grade portions of the buildings and at-grade improvements may be supported on conventional footings. Continuous and/or spread footings should bear on uniformly spaced ground improvement elements, be at least 24 inches wide, and extend at least

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24 inches below the lowest adjacent grade. Lowest adjacent grade is defined as the deeper of the following: 1) bottom of the adjacent interior slab-on-grade, or 2) finished exterior grade, excluding landscaping topsoil.

Bearing pressures will be dependent on the final ground improvement technique and spacing; however, substantial improvement in bearing capacity and reduction in settlement would be expected. On a preliminary basis, we expect allowable bearing pressures of at least 4,000 psf for combined dead plus live loads would be feasible with a one-third increase for all loads, including wind and seismic.

Ground improvement and the replacement of disturbed near-surface soils as engineered fill would be designed to reduce total settlement due to static and seismic conditions to a tolerable level as discussed below.

### 8.2.2 Lateral Loading

Lateral loads may be resisted by friction between the bottom of footing and the supporting subgrade, and also by passive pressures generated against footing sidewalls. An ultimate frictional resistance of 0.45 applied to the footing dead load, and an ultimate passive pressure based on an equivalent fluid pressure of 375 pcf may be used in design. The structural engineer should apply an appropriate factor of safety (such as 1.5) to the ultimate values above. Where footings are adjacent to landscape areas without hardscape, the upper 12 inches of soil should be neglected when determining passive pressure capacity.

### 8.2.3 Conventional Shallow Footing Construction Considerations

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

Footing excavations should be filled as soon as possible or be kept moist until concrete placement by regular sprinkling to prevent desiccation. A Cornerstone representative should observe all footing excavations prior to placing reinforcing steel and concrete. If there is a significant schedule delay between our initial observation and concrete placement, we may need to re-observe the excavations.

Due to the presence of clean sand and silts, at-grade footing excavation walls will likely not stand vertical and will need to be sloped to a minimum 1:1 inclination or Stay-Form or similar may need to be placed within the footing excavations as they are excavated during construction of the foundation elements. Granular material encountered in the footing bottoms will likely be

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disturbed to a depth of 6 to 8 inches following excavation and will need to be compacted to 90 percent relative compaction prior to steel placement. Care should be taken to not disturb the compacted granular material during steel placement. We should re-observe the footing excavations in granular materials after reinforcing steel has been placed and just prior to concrete placement. Footing excavations should also be kept moist by regular sprinkling with water to prevent desiccation and potential raveling of the granular materials. As an alternative, a rat slab can be placed over the granular material after we have observed the footing excavation to protect the granular material prior to steel placement.

### 8.2.4 Hydrostatic Uplift and Waterproofing

Where the structure will extend below the design groundwater level, they should be designed to resist potential hydrostatic uplift pressures. Retaining walls extending below design groundwater should be waterproofed and designed to resist hydrostatic pressure for the full wall height. Where portions of the walls extend above the design groundwater level, a drainage system may be added as discussed in the "Retaining Wall" section.

In addition, the portions of the structures extending below design groundwater should be waterproofed to limit moisture infiltration, including slab areas, all construction joints, and any retaining walls. We recommend that a waterproof specialist design the waterproofing system.

### 8.2.5 Reinforced Concrete Mat Foundations – At-Grade or Basement Level

Provided ground improvement is performed in accordance with recommendations in this report, the proposed at-grade and below-grade structures may be supported on a mat foundation bearing on uniformly spaced ground improvement elements and designed in accordance with the recommendations below. Reinforced concrete mat foundations should be designed in accordance with the 2019 California Building Code.

On a preliminary basis, the mat should be designed for a maximum *average* allowable bearing pressure of 2,000 psf for dead plus live loads; at column or wall loading, the maximum localized bearing pressure should be limited to 4,000 psf. When evaluating wind and seismic conditions, allowable bearing pressures may be increased by one-third. These pressures are net values; the weight of the mat may be neglected for the portion of the mat extending below grade. Top and bottom mats of reinforcing steel should be included as required to help span irregularities and differential settlement. If the actual average areal bearing pressure is higher than presented above, or if there are other aspects of design not accounted for in this report, please notify us so that we may revise our recommendations.

### 8.2.6 Mat Modulus of Soil Subgrade Reaction

The modulus of soil subgrade reaction is a model element that represents the response to a specific loading condition, including the magnitude, rate, and shape of loading, given the subsurface conditions at that location. Design experts recommend using a variable modulus of soil subgrade reaction to provide a more accurate soil response and prediction of shears and moments in the mats. This will require at least one iteration between our soil model and the

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structural SAFE (or similar) analysis for the mat. We have assumed that the average areal mat pressure will be approximately 1,000 to 1,200 psf. Based on this assumed pressure, we calculated a preliminary modulus of subgrade reaction value for the mat foundation for unimproved ground.

For preliminary SAFE runs (or equivalent analysis), we recommend an initial modulus of soil subgrade reaction of 5 pounds per cubic inch (pci) for the mat foundation. As discussed above, the modulus of soil subgrade reaction is intended for use in the first iteration of the structural SAFE analysis for the mat design. As noted, this value represents the assumed soil response due to static and seismic deflection before ground improvement elements are considered. Updated modulus values for improved ground should be provided by the design-build contractor based on the type of ground improvement and estimated spacing.

### 8.2.7 Hydrostatic Uplift and Waterproofing

Mat foundations that extend below the recommended design groundwater level of 7 feet, should be designed to resist potential hydrostatic uplift pressures. Basement walls extending below design groundwater should be designed to resist hydrostatic pressure for the full wall height. Where portions of the walls extend above the design groundwater level, a drainage system may be added as discussed in the “Retaining Wall” section.

In addition, the portions of the structures extending below design groundwater should be waterproofed to limit moisture infiltration, including mat foundation, all construction joints, and any basement retaining walls. We recommend that a waterproofing specialist design the waterproofing system.

## 8.3 GROUND IMPROVEMENT

As discussed above, conventional shallow footings or a rigid mat foundation supporting the mixed-use building may be used in combination with ground improvement. We recommend that ground improvement be performed within the at-grade and below-grade building footprint and extend to a tip elevation of at least Elevation 11 feet (WSG84 datum) to mitigate liquefaction settlement and lateral spreading. Ground improvement can be used to improve the subsurface soils such that the total combined static and seismic settlements are reduced to less than 1½ inches with ½ to ¾ inches differential settlement over a horizontal distance of 30 feet, enabling the structures to be supported on spread footings. Ground improvement should provide adequate confining improvement around all foundations. Ground improvement options should also include an increase in allowable bearing pressures and should reduce settlement to within the tolerances stated above.

### 8.3.1 General

Ground improvement should consist of densification techniques to improve the ground’s resistance to liquefaction, reduce static settlement, and improve bearing capacity and seismic performance. Densification techniques could potentially consist of vibro replacement (i.e. stone columns), grouted displacement columns (i.e. CLSM), or similar densification techniques.

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Considering the close proximity to existing commercial properties and the potential presence of impacted soil at the 425 Pacific Street parcel, we assume that grouted displacement columns would be the preferred ground improvement method. The intent of the ground improvement design beneath the proposed building would be to increase the density of the potentially liquefiable sands within 25 feet from the surface by laterally displacing and/or densifying the existing in-place soils.

Grouted displacement columns are formed in displaced soil cavities and displace liquefiable and compressible soil with cemented Controlled Low Strength Material. CLSM column ground improvement can mitigate liquefaction and settlement of heavy foundations and slabs. CLSM columns are ideal for sensitive project sites such as those near critical structures that require low noise and no vibration construction methods, unreinforced masonry walls, occupied offices, sensitive soil (e.g. Bay Mud), and hazardous/contaminated soil sites where deep ground improvement is required.

The upper 2 feet of the working pad will likely need to be re-compacted after ground improvement installation, due to surface disturbance, potential localized ground heave and removal and re-compaction of undocumented fill. For this reason, we do not recommend preparation of the building pad or the construction of utilities prior to ground improvement.

The diameter of these ground improvement elements would be 24 to 30 inches and spacing would be proposed by the ground improvement contractors based on their experience and documented case histories of improvement performed on other projects with similar soil conditions which we would review as part of their submittal. The spacing would be estimated to improve the sands to obtain a post treatment $(N_1)_{60cs}$ of at least 20 to 25 blows/foot. The spacing would also be selected to reduce the total static settlement to 1½ inches with a differential settlement of ¾ inches over a horizontal distance of 30 feet. We would recommend a modulus test at the on-set of construction to verify that the ground improvement will control the static settlement. This recommendation is predicated on our working with and reviewing the ground improvement contractor's submittal documentation on their proposed spacing and installation methodology and case histories from other similar projects. We would also independently observe installation in the field and prepare a signed and stamped close-out letter with confirms that installed ground improvement meets our recommendations.

### 8.3.2 Ground Improvement Design Guidelines

We recommend that the ground improvement design include, but not be limited to: 1) drawings showing the ground improvement layout, spacing and diameter, 2) the foundation layout plan, 3) proposed ground improvement length, 4) top and bottom elevations, 5) case histories showing pre and post improvement $(N_1)_{60cs}$ or $Q_{C1cs}$ values for projects with similar site conditions, 6) estimate of static settlement and modulus to meet settlement goals. We recommend that all displacement columns be capped with a minimum 6-inch-thick compacted gravel pad to facilitate load transfer and to decouple the footings from underlying ground improvement elements. The actual gravel pad thickness should be confirmed by the design-build contractor. We should be retained to review the ground improvement contractor's plan and densification estimates prior to construction, and to review and confirm that the contractor's ground

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improvement design will satisfactorily meet the design criteria based on the previous performance testing. Ground improvement would generally be constructed as follows: 1) clear the site of existing demolition debris, 2) mass grading to the building pad subgrade elevation, 3) install the ground improvement on the approved layout, and 4) over-excavation and re-compact top of building pad, as required, prior to construction of remainder of pad and the foundations.

The degree to which the soil density is increased will depend on the improvement method and spacing. Even though the above methods are designed to mitigate different existing soil conditions, ground improvement should provide an additional increase in bearing capacity and soil stiffness at the individual improvement locations.

### 8.3.3 Ground Improvement Performance Testing

Foundation areas must meet the above total settlement criteria, which will include all settlement estimated from static loads. Analysis of settlement for static loading should include compression within the treatment area due to structural loads, and seismic settlement estimated for below the zone of treatment. Ground improvement must also provide adequate support for the design bearing capacity.

Verification testing should include at least two modulus tests within the building footprint. To validate the parameters selected for a specific project, a modulus load test is performed on a test pier typically constructed in locations chosen in coordination with the geotechnical engineer. Modulus tests are conducted to a pressure equal to at least 150% of the maximum design top of CLSM column stress to assure a reasonable level of safety which supports long term settlement control and demonstrates that the ground improvement element has adequate strength. Performing modulus testing beyond the limit state top of pier stress meets the intent of the building code with respect to shallow foundation support. Modulus testing should be performed in general accordance with ASTM D1143.

We recommend that at least two test array including pre- and post-installation CPT testing be performed. Performance testing typically consists of CPTs performed within each test array to confirm soil strength and density increases were achieved to meet the settlement criteria. We should observe and monitor installation of the test arrays and production ground improvement on a full-time basis and review the post-test array settlement analyses provided by the contractor.

## SECTION 9: CONCRETE SLABS AND PEDESTRIAN PAVEMENTS

As discussed, we recommend that ground improvement be installed under at-grade footings. We also recommend the ground improvement elements be considered within slab-on-grade areas as well. As an alternative, the ground floor slab could be designed as a structural slab that is capable of spanning unsupported between footings and grade beams to reduce slab settlement or distress following a design level earthquake.

It should be noted that if ground improvement is not performed within the slab-on-grade areas, slab settlement or deflection will occur following a design-level earthquake. The at-grade library

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and retail slabs would need to be designed to tolerate some deflection where the slabs transition from on-footing support to ground-only support. Since seismic settlement could theoretically range from approximately 4 to 5 inches, loss of support could occur below the slab on-grade that results in voids beneath the slab and localized cracking at transition areas. If required, these voids could be filled with grout following an earthquake. The following recommendations assume at-grade slabs will be underlain by appropriately spaced ground improvement elements.

## 9.1 AT-GRADE INTERIOR SLABS-ON-GRADE

As the Plasticity Index (PI) of the surficial soils is 15 or less, any at-grade slabs-on-grade may be supported directly on subgrade prepared in accordance with the recommendations in the "Earthwork" section of this report. If moisture-sensitive floor coverings are planned, the recommendations in the "Interior Slabs Moisture Protection Considerations" section below may be incorporated in the project design if desired. If significant time elapses between initial subgrade preparation and slab-on-grade construction, the subgrade should be proof-rolled to confirm subgrade stability, and if the soil has been allowed to dry out, the subgrade should be re-moisture conditioned to near optimum moisture content.

The structural engineer should determine the appropriate slab reinforcement for the loading requirements and considering the expansion potential of the underlying soils. For unreinforced concrete slabs, ACI 302.1R recommends limiting control joint spacing to 24 to 36 times the slab thickness in each direction, or a maximum of 18 feet.

## 9.2 PARKING STRUCTURE SLAB-ON-GRADE

Garage slabs-on-grade should be at least 5 inches thick and if constructed with minimal reinforcement intended for shrinkage control only, should have a minimum compressive strength of 3,000 psi. If the slab will have heavier reinforcing because the slab will also serve as a structural diaphragm, the compressive strength may be reduced to 2,500 psi at the structural engineer's discretion. The garage slab should also be supported on at least 6 inches of select fill consisting of one of the following placed and compacted in accordance with the "Compaction" section of this report:

- Class 2 aggregate base,
- ¾-inch clean, crushed rock
- recycled AC/AB grindings
- cement-treated soil, consisting of at least 4 percent quicklime or cement by dry weight

Basement level slabs should be water-proofed and designed to resist hydrostatic pressures, as needed. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness.

## 9.3 INTERIOR SLABS MOISTURE PROTECTION CONSIDERATIONS

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The following general guidelines for concrete slab-on-grade construction where floor coverings are planned are presented for the consideration by the developer, design team, and contractor. These guidelines are based on information obtained from a variety of sources, including the American Concrete Institute (ACI) and are intended to reduce the potential for moisture-related problems causing floor covering failures, and may be supplemented as necessary based on project-specific requirements. The application of these guidelines or not will not affect the geotechnical aspects of the slab-on-grade performance.

- Place a minimum 15-mil vapor retarder conforming to ASTM E 1745, Class C requirements or better directly below the concrete slab; the vapor retarder should extend to the slab edges and be sealed at all seams and penetrations in accordance with manufacturer's recommendations and ASTM E 1643 requirements. A 4-inch-thick capillary break, consisting of crushed rock should be placed below the vapor retarder and consolidated in place with vibratory equipment. The mineral aggregate shall be of such size that the percentage composition by dry weight as determined by laboratory sieves will conform to the following gradation:

| Sieve Size | Percentage Passing Sieve |
|---|---|
| 1" | 100 |
| ¾" | 90 – 100 |
| No. 4 | 0 – 10 |
| No. 200 | 0 – 5 |

- The concrete water:cement ratio should be 0.45 or less. Mid-range plasticizers may be used to increase concrete workability and facilitate pumping and placement.

- Water should not be added after initial batching unless the slump is less than specified and/or the resulting water:cement ratio will not exceed 0.45.

- Polishing the concrete surface with metal trowels is not recommended.

- Where floor coverings are planned, all concrete surfaces should be properly cured.

- Water vapor emission levels and concrete pH should be determined in accordance with ASTM F1869-98 and F710-98 requirements and evaluated against the floor covering manufacturer's requirements prior to installation.

## 9.4 EXTERIOR FLATWORK

Exterior concrete flatwork subject to pedestrian and/or occasional light pick up loading should be at least 4 inches thick and supported on at least 4 inches of Class 2 aggregate base overlying subgrade prepared in accordance with the "Earthwork" recommendations of this report. Flatwork that will be subject to heavier or frequent vehicular loading should be designed in accordance with the recommendations in the "Vehicular Pavements" section below. To help reduce the potential for uncontrolled shrinkage cracking, adequate expansion and control joints should be included. Consideration should be given to limiting the control joint spacing to a

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maximum of about 2 feet in each direction for each inch of concrete thickness. Flatwork should be isolated from adjacent foundations or retaining walls except where limited sections of structural slabs are included to help span irregularities in retaining wall backfill at the transitions between at-grade and on-structure flatwork.

As discussed, there is a potential for differential settlement due liquefaction and sand venting, especially around the perimeter of the building of the at-grade portion of the building. To reduce the potential for differential sidewalk movement relative to the ground improvement supported structure during a significant seismic event, flatwork should be reinforced, include construction and control joints spaced no greater than 6 feet on center, and be dowelled across the building entrances. Alternatively, a row of ground improvement could be extended beyond the building footprint that would provide some support to sidewalk areas during a significant seismic event in addition limiting the effect of increased pore pressure along the building foundation.

## SECTION 10: VEHICULAR PAVEMENTS

### 10.1 ASPHALT CONCRETE

The following asphalt concrete pavement recommendations tabulated below are based on the Procedure 608 of the Caltrans Highway Design Manual, estimated traffic indices for various pavement-loading conditions, and on a design R-value of 5. The design R-value was chosen based on engineering judgement considering the shallow clay soil conditions blanketing portions of the site.

**Table 3: Asphalt Concrete Pavement Recommendations**

| Design Traffic Index (TI) | Asphalt Concrete (inches) | Class 2 Aggregate Base[1] (inches) | Total Pavement Section Thickness (inches) |
|---|---|---|---|
| 4.0 | 2.5 | 7.5 | 10.0 |
| 4.5 | 2.5 | 9.5 | 12.0 |
| 5.0 | 3.0 | 10.0 | 13.0 |
| 5.5 | 3.0 | 12.0 | 15.0 |
| 6.0 | 3.5 | 13.0 | 16.5 |
| 6.5 | 4.0 | 13.5 | 17.5 |

[1]Caltrans Class 2 aggregate base; minimum R-value of 78; subgrade R-value of 5

### 10.2 PORTLAND CEMENT CONCRETE

The Portland Cement Concrete (PCC) pavement recommendations outlined below are based on methods presented in American Concrete Pavement Association (ACPA, 2006). We have provided a few pavement alternatives as an anticipated Average Daily Truck Traffic (ADTT) was not provided. Recommendations for garage slabs-on-grade were provided in the “Concrete Slabs and Pedestrian Pavements” section above.

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**Table 4: PCC Pavement Recommendations**

| Traffic Category | Minimum PCC Thickness[1] (inches) | Class 2 Aggregate Base (inches) |
|---|---|---|
| Maximum ADTT = 10 | 6.0 | 6.0 |
| Maximum ADTT = 100 | 6.5 | 6.0 |

[1]Subgrade design R-Value = 5

The PCC thicknesses above are based on a concrete compressive strength of at least 3,500 psi. Adequate expansion and control joints should be included. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness.

### 10.2.1 Stress Pads for Trash Enclosures

Pads where trash containers will be stored, and where garbage trucks will park while emptying trash containers, should be constructed on Portland Cement Concrete. We recommend that the trash enclosure pads and stress (landing) pads where garbage trucks will store, pick up, and empty trash be increased to a minimum PCC thickness of 7 inches. The compressive strength, underlayment, and construction details should be consistent with the above recommendations for PCC pavements.

## SECTION 11: RETAINING WALLS

### 11.1 STATIC LATERAL EARTH PRESSURES

The structural design of any site retaining wall should include resistance to lateral earth pressures that develop from the soil behind the wall, any undrained water pressure, and surcharge loads acting behind the wall. Provided a drainage system is constructed behind the wall to prevent the build-up of hydrostatic pressures as discussed in the section below, we recommend that the walls with level backfill be designed for the following pressures:

**Table 5: Recommended Lateral Earth Pressures**

| Wall Condition | Lateral Earth Pressure* | Additional Surcharge Loads |
|---|---|---|
| Unrestrained – Cantilever Wall | 40 pcf | ⅓ of vertical loads at top of wall |
| Restrained – Braced Wall | 40 pcf + 8H** psf | ½ of vertical loads at top of wall |

* Lateral earth pressures are based on an equivalent fluid pressure for level backfill conditions
** H is the distance in feet between the bottom of footing and top of retained soil

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Basement walls should be designed as restrained walls. If adequate drainage cannot be provided behind the wall, an additional equivalent fluid pressure of 40 pcf should be added to the values above for both restrained and unrestrained walls for the portion of the wall that will not have drainage. Damp proofing or waterproofing of the walls may be considered where moisture penetration and/or efflorescence are not desired.

## 11.2 SEISMIC LATERAL EARTH PRESSURES

### 11.2.1 Basement Walls

The 2019 California Building Code (CBC) states that lateral pressures from earthquakes should be considered in the design of basements and retaining walls. We checked seismic earth pressures for the proposed restrained and unrestrained (cantilever) retaining walls in accordance with CBC 1803.5.12 and ASCE 7-16 Section 11.8.3 using the Design level earthquake. We developed seismic earth pressures for the proposed basement using interim recommendations generally based on refinement of the Mononobe-Okabe method (Lew et al., SEAOC 2010).

Because the walls are greater than 12 feet in height, and peak ground accelerations are greater than 0.40g, we checked the result of the seismic resultant force when added to the recommended active earth pressure against the recommended fixed wall earth pressures. Basement walls are not free to deflect, and should therefore be designed for static conditions as a restrained wall, which is also a CBC requirement. We recommend checking the walls for the seismic condition in accordance with the interim recommendations of the above referenced paper and the 2013 CBC.

Because the wall is restrained, or will act as a restrained wall, and will be designed for 40 pcf (equivalent fluid pressure) plus a uniform earth pressure of 8H psf, based on current recommendations for seismic earth pressures, it appears that active earth pressures plus a seismic increment do not exceed the fixed wall earth pressures. Therefore, an additional seismic increment above the design earth pressures is not required as long as the walls are designed for the restrained wall earth pressures recommended above in accordance with the CBC.

## 11.3 WALL DRAINAGE

### 11.3.1 At-Grade Site Walls

Adequate drainage should be provided by a subdrain system behind all walls. This system should consist of a 4-inch minimum diameter perforated pipe placed near the base of the wall (perforations placed downward). The pipe should be bedded and backfilled with Class 2 Permeable Material per Caltrans Standard Specifications, latest edition. The permeable backfill should extend at least 12 inches out from the wall and to within 2 feet of outside finished grade. Alternatively, ½-inch to ¾-inch crushed rock may be used in place of the Class 2 Permeable Material provided the crushed rock and pipe are enclosed in filter fabric, such as Mirafi 140N or

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approved equivalent. The upper 2 feet of wall backfill should consist of compacted on-site soil. The subdrain outlet should be connected to a free-draining outlet or sump.

Miradrain, Geotech Drainage Panels, or equivalent drainage matting can be used for wall drainage as an alternative to the Class 2 Permeable Material or drain rock backfill. Horizontal strip drains connecting to the vertical drainage matting may be used in lieu of the perforated pipe and crushed rock section. The vertical drainage panel should be connected to the perforated pipe or horizontal drainage strip at the base of the wall, or to some other closed or through-wall system such as the TotalDrain system from AmerDrain. Sections of horizontal drainage strips should be connected with either the manufacturer's connector pieces or by pulling back the filter fabric, overlapping the panel dimples, and replacing the filter fabric over the connection. At corners, a corner guard, corner connection insert, or a section of crushed rock covered with filter fabric must be used to maintain the drainage path.

Drainage panels should terminate 18 to 24 inches from final exterior grade. The Miradrain panel filter fabric should be extended over the top of and behind the panel to protect it from intrusion of the adjacent soil.

### 11.3.2 Below-Grade Walls

Miradrain, AmerDrain or other equivalent drainage matting should be used for wall drainage where below-grade walls are temporarily shored and the shoring will be flush with the back of the permanent walls. The drainage panel should be connected at the base of the wall by a horizontal drainage strip and closed or through-wall system such as the TotalDrain system from AmerDrain.

Sections of horizontal drainage strips should be connected with either the manufacturer's connector pieces or by pulling back the filter fabric, overlapping the panel dimples, and replacing the filter fabric over the connection. At corners, a corner guard, corner connection insert, or a section of crushed rock covered with filter fabric must be used to maintain the drainage path. In addition, where drainage panels will connect from a horizontal application to vertical basement wall drainage panels, the drainage path must be maintained.

Drainage panels should terminate 18 to 24 inches from final exterior grade unless capped by hardscape. The drainage panel filter fabric should be extended over the top of and behind the panel to protect it from intrusion of the adjacent soil. If the shoring system will be offset behind the back of permanent wall, the drainage systems discussed in the "At-Grade Site Walls" section may also be used.

## 11.3 BACKFILL

Where surface improvements will be located over the retaining wall backfill, backfill placed behind the walls should be compacted to at least 95 percent relative compaction using light compaction equipment. Where no surface improvements are planned, backfill should be compacted to at least 90 percent. If heavy compaction equipment is used, the walls should be temporarily braced.

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As discussed previously, consideration should be given to the transitions from on-grade to on-structure. Providing subslabs or other methods for reducing differential movement of flatwork or pavements across this transition should be included in the project design.

### 11.4 FOUNDATIONS

In general, conventional at-grade site retaining walls may be supported on a continuous conventional footing. Strip footings should bear on natural, undisturbed soil or entirely on engineered fill, and extend at least 18 inches below the lowest adjacent grade. Basement walls should be supported on perimeter foundations underlain by ground improvement, as discussed in the "Foundations" section.

Footings constructed to the above dimensions and in accordance with the "Earthwork" recommendations of this report are capable of supporting maximum allowable bearing pressures of 2,000 psf for dead loads, 3,000 psf for combined dead plus live loads, and 4,000 psf for all loads including wind and seismic. These pressures are based on factors of safety of 3.0, 2.0, and 1.5 applied to the ultimate bearing pressure for dead, dead plus live, and all loads, respectively. These pressures are net values; the weight of the footing may be neglected for the portion of the footing extending below-grade (typically, the full footing depth). Top and bottom of mats of reinforcing steel should be included in continuous footings to help span irregularities and differential settlement.

## SECTION 12: LIMITATIONS

This report, an instrument of professional service, has been prepared for the sole use of For the Future Housing, Inc. specifically to support the design of the Downtown Library Residential Mixed-Use project in Santa Cruz, California. The opinions, conclusions, and recommendations presented in this report have been formulated in accordance with accepted geotechnical engineering practices that exist in Northern California at the time this report was prepared. No warranty, expressed or implied, is made or should be inferred.

Recommendations in this report are based upon the soil and groundwater conditions encountered during our subsurface exploration. If variations or unsuitable conditions are encountered during construction, Cornerstone must be contacted to provide supplemental recommendations, as needed.

For the Future Housing, Inc. may have provided Cornerstone with plans, reports and other documents prepared by others. For the Future Housing, Inc. understands that Cornerstone reviewed and relied on the information presented in these documents and cannot be responsible for their accuracy.

Cornerstone prepared this report with the understanding that it is the responsibility of the owner or his representatives to see that the recommendations contained in this report are presented to other members of the design team and incorporated into the project plans and specifications,

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and that appropriate actions are taken to implement the geotechnical recommendations during construction.

Conclusions and recommendations presented in this report are valid as of the present time for the development as currently planned. Changes in the condition of the property or adjacent properties may occur with the passage of time, whether by natural processes or the acts of other persons. In addition, changes in applicable or appropriate standards may occur through legislation or the broadening of knowledge. Therefore, the conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes beyond Cornerstone's control. This report should be reviewed by Cornerstone after a period of three (3) years has elapsed from the date of this report. In addition, if the current project design is changed, then Cornerstone must review the proposed changes and provide supplemental recommendations, as needed.

An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Recommendations provided in this report are based on the assumption that Cornerstone will be retained to provide observation and testing services during construction to confirm that conditions are similar to that assumed for design, and to form an opinion as to whether the work has been performed in accordance with the project plans and specifications. If we are not retained for these services, Cornerstone cannot assume any responsibility for any potential claims that may arise during or after construction as a result of misuse or misinterpretation of Cornerstone's report by others. Furthermore, Cornerstone will cease to be the Geotechnical-Engineer-of-Record if we are not retained for these services.

## SECTION 13: REFERENCES

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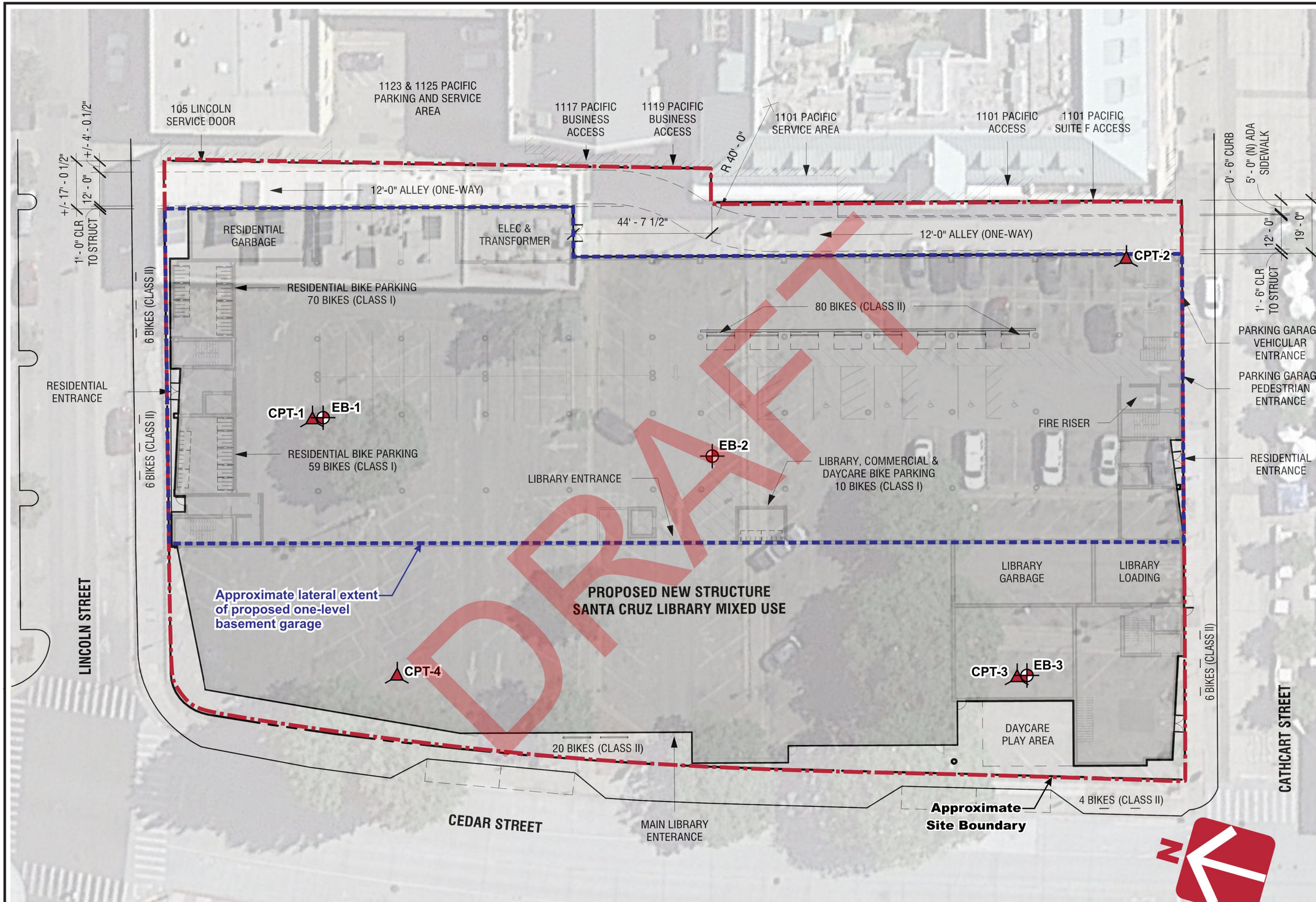
**Vicinity Map**

**Downtown Library Mixed-Use**
**600 Cedar Street**
**Santa Cruz, CA**

1.1619

| | |
|---|---|
| Project Number | 1271-2-1 |
| Figure Number | Figure 1 |
| Date | June 2022 |
| Drawn By | RRN |




**Legend**

Approximate location of exploratory boring (EB)

Approximate location of cone penetration test (CPT)

0 30 60

APPROXIMATE SCALE (FEET)

Base by Google Earth, dated 09/26/2020
Overlay by Tenover, Site Plan - A1.2, dated 04/14/2022

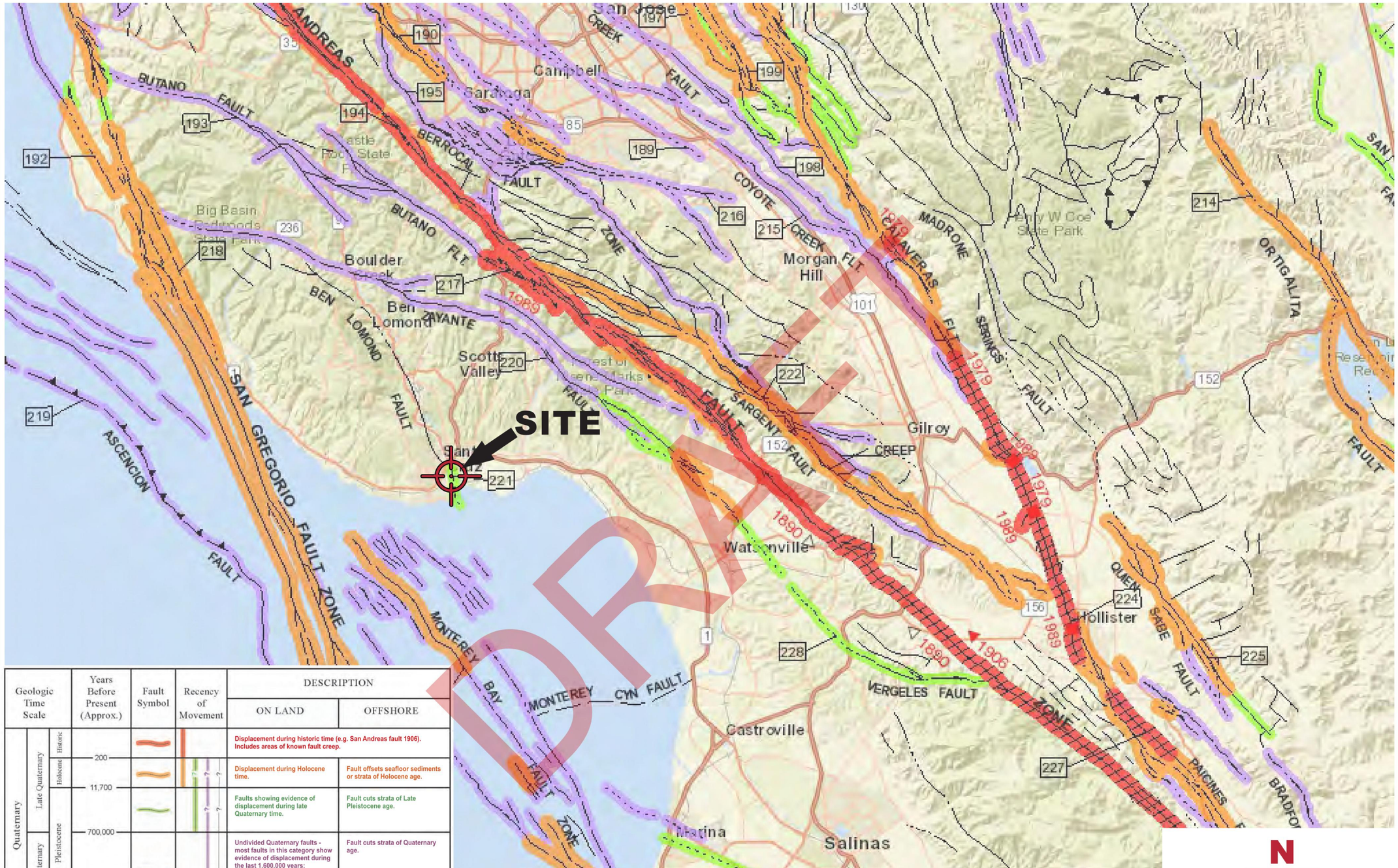
1.1620

| | |
|---|---|
| Project Number | 1271-2-1 |
| Figure Number | Figure 2 |
| Date | June 2022 |
| Drawn By | RRN |

**Site Plan**

**Downtown Library Mixed-Use**
**600 Cedar Street**
**Santa Cruz, CA**

CORNERSTONE EARTH GROUP




| Geologic Time Scale | | | Years Before Present (Approx.) | Fault Symbol | Recency of Movement | DESCRIPTION: ON LAND | DESCRIPTION: OFFSHORE |
|---|---|---|---|---|---|---|---|
| Quaternary | Late Quaternary | Historic | | | | Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep. | |
| | | | 200 | | | | |
| | | Holocene | | | ? ? ? | Displacement during Holocene time. | Fault offsets seafloor sediments or strata of Holocene age. |
| | | | 11,700 | | | | |
| | | Pleistocene | | | ? ? | Faults showing evidence of displacement during late Quaternary time. | Fault cuts strata of Late Pleistocene age. |
| | | | 700,000 | | | | |
| | Early Quaternary | | | | ? | Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Pilo-Pleistocene age. | Fault cuts strata of Quaternary age. |
| | | | 1,600,000 | | | | |
| Pre-Quaternary | | | 4.5 billion (Age of Earth) | | | Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive. | Fault cuts strata of Pliocene or older age. |

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Base by California Geological Survey - 2010 Fault Activity Map of California (Jennings and Bryant, 2010)

N

0 5 10

APPROXIMATE SCALE (MILES)

Project Number: 1271-2-1

Figure Number: Figure 3

Date: June 2022

Drawn By: RRN

**Regional Fault Map**

**Downtown Library Mixed-Use**
**600 Cedar Street**
**Santa Cruz, CA**

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**FIGURE 4A**

**CPT NO. 1**

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## PROJECT/CPT DATA

| | |
|---|---|
| Project Title | Downtown Library Res Mixed-Use |
| Project No. | 1271-2-1 |
| Project Manager | SCO |

### SEISMIC PARAMETERS

| | | |
|---|---|---|
| Controlling Fault | Monterey Bay-Tularcitos | |
| Earthquake Magnitude (Mw) | 7.26 | |
| PGA (Amax) | 0.637 | (g) |

### SITE SPECIFIC PARAMETERS

| | |
|---|---|
| Ground Water Depth at Time of Drilling (feet) | 11 |
| Design Water Depth (feet) | 7 |
| Ave. Unit Weight Above GW (pcf) | 120 |
| Ave. Unit Weight Below GW (pcf) | 125 |

## CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 7 FEET

0.10 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

6.45 (Inches)

**TOTAL SEISMIC SETTLEMENT 6.6 INCHES**

### POTENTIAL LATERAL DISPLACEMENT

LDI[2] 3.13 L/H 90.0

LDI[1] Corrected for Distance 0.51 (4 < L/H < 40)

### EXPECTED RANGE OF DISPLACEMENT

0.3 to 1.0 feet

[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.

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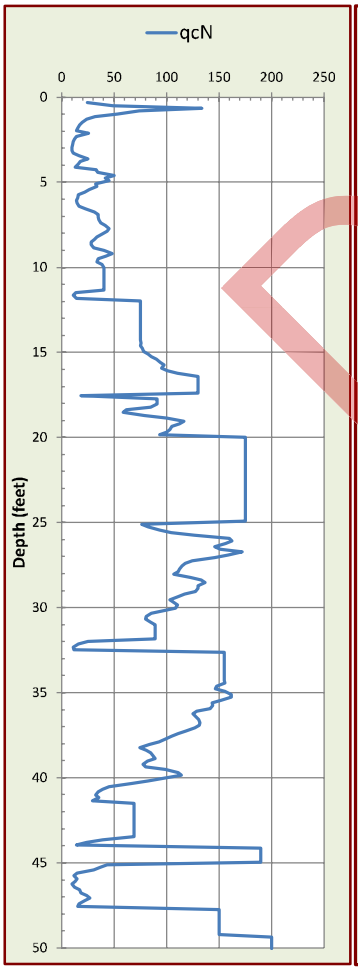


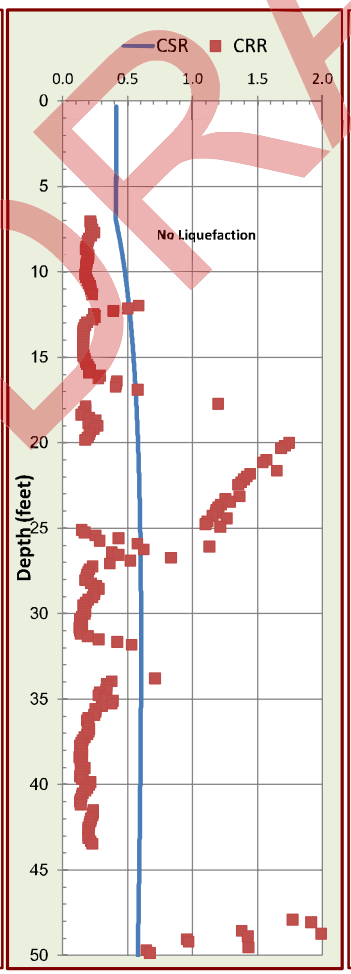


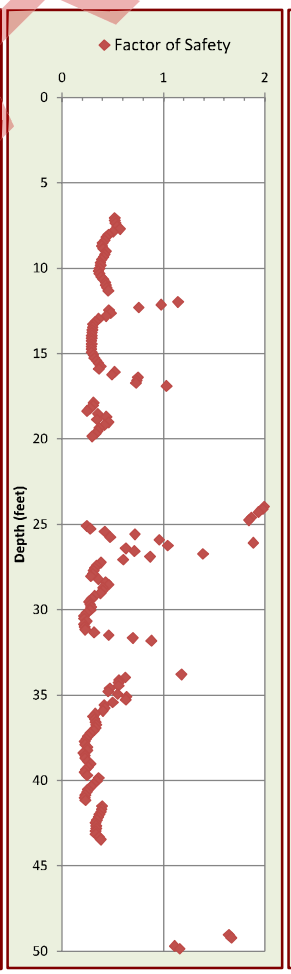


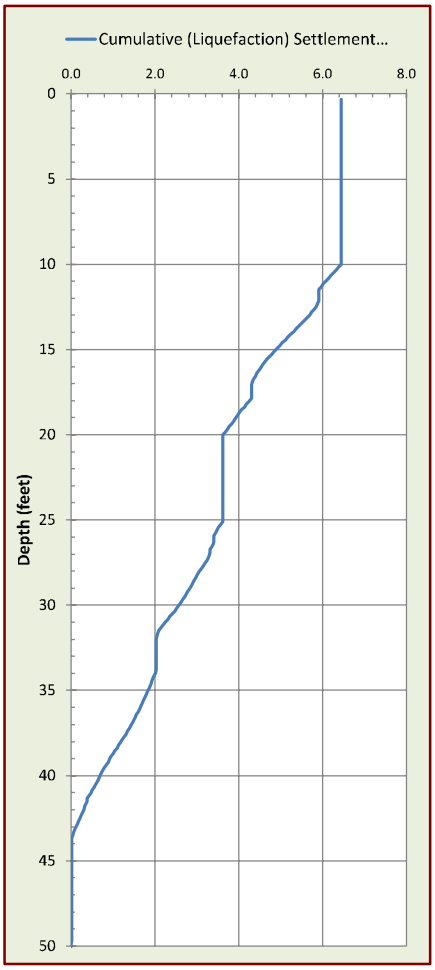

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**FIGURE 4B**

**CPT NO. 2**

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## PROJECT/CPT DATA

| | |
|---|---|
| Project Title | Downtown Library Res Mixed-Use |
| Project No. | 1271-2-1 |
| Project Manager | SCO |

### SEISMIC PARAMETERS

| | | |
|---|---|---|
| Controlling Fault | Monterey Bay-Tularcitos | |
| Earthquake Magnitude (Mw) | 7.26 | |
| PGA (Amax) | 0.637 | (g) |

### SITE SPECIFIC PARAMETERS

| | |
|---|---|
| Ground Water Depth at Time of Drilling (feet) | 11 |
| Design Water Depth (feet) | 7 |
| Ave. Unit Weight Above GW (pcf) | 120 |
| Ave. Unit Weight Below GW (pcf) | 125 |

## CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 7 FEET

0.17 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

6.86 (Inches)

**TOTAL SEISMIC SETTLEMENT 7.0 INCHES**

### POTENTIAL LATERAL DISPLACEMENT

LDI[2] 2.38 L/H 90.0

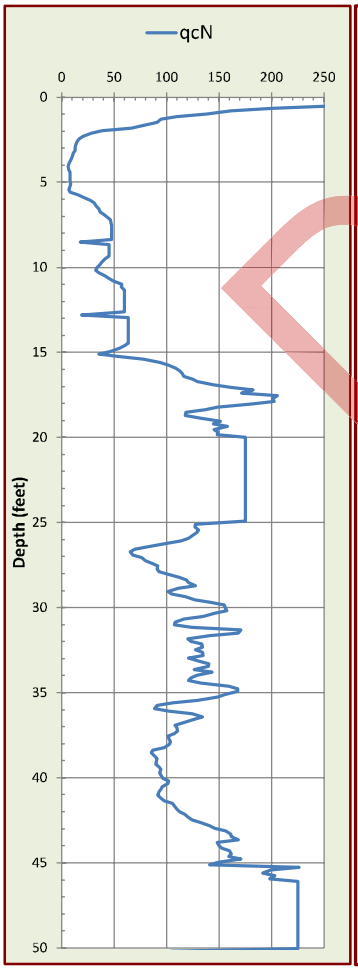
LDI[1] Corrected for Distance 0.39 (4 < L/H < 40)

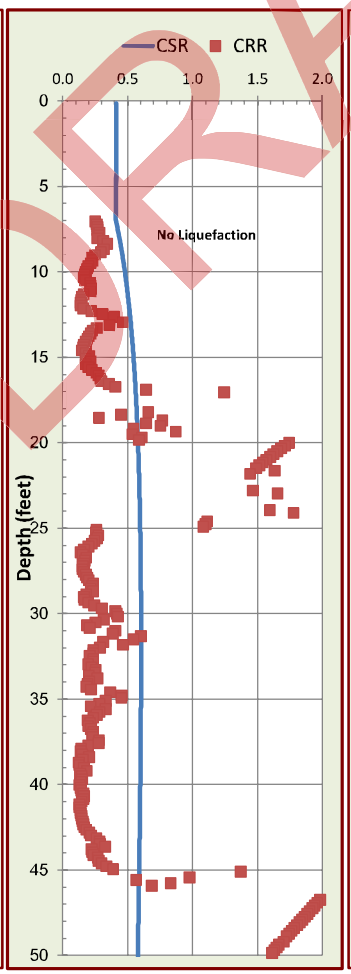
### EXPECTED RANGE OF DISPLACEMENT

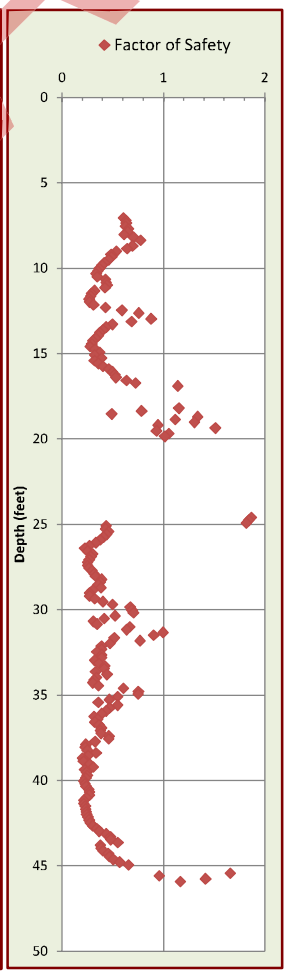
0.2 to 0.8 feet

[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.



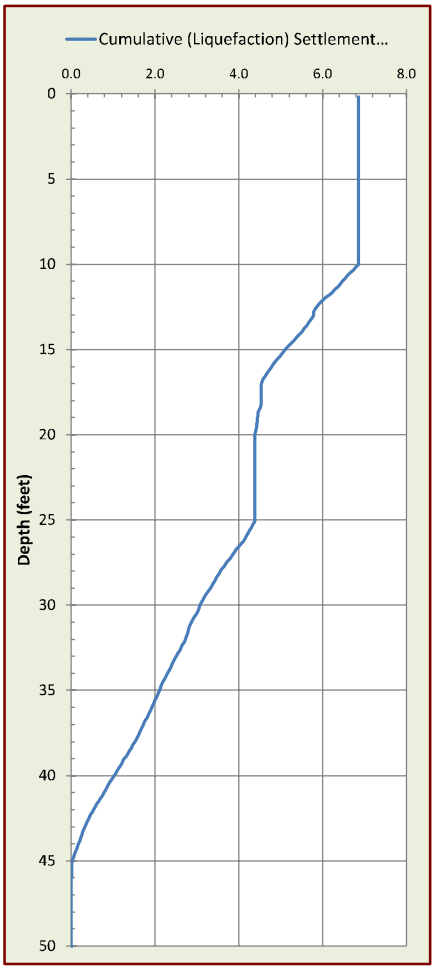




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**FIGURE 4C**

**CPT NO. 3**

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## PROJECT/CPT DATA

| | |
|---|---|
| Project Title | Downtown Library Res Mixed-Use |
| Project No. | 1271-2-1 |
| Project Manager | SCO |

### SEISMIC PARAMETERS

| | | |
|---|---|---|
| Controlling Fault | Monterey Bay-Tularcitos | |
| Earthquake Magnitude (Mw) | 7.26 | |
| PGA (Amax) | 0.637 | (g) |

### SITE SPECIFIC PARAMETERS

| | |
|---|---|
| Ground Water Depth at Time of Drilling (feet) | 9.3 |
| Design Water Depth (feet) | 7 |
| Ave. Unit Weight Above GW (pcf) | 120 |
| Ave. Unit Weight Below GW (pcf) | 125 |

## CPT ANALYSIS RESULTS

| | | |
|---|---|---|
| DRY SAND SETTLEMENT FROM | 7 | FEET |
| | 0.22 | (Inches) |
| LIQUEFACTION SETTLEMENT FROM | 50 | FEET |
| | 6.17 | (Inches) |
| TOTAL SEISMIC SETTLEMENT | 6.4 | INCHES |

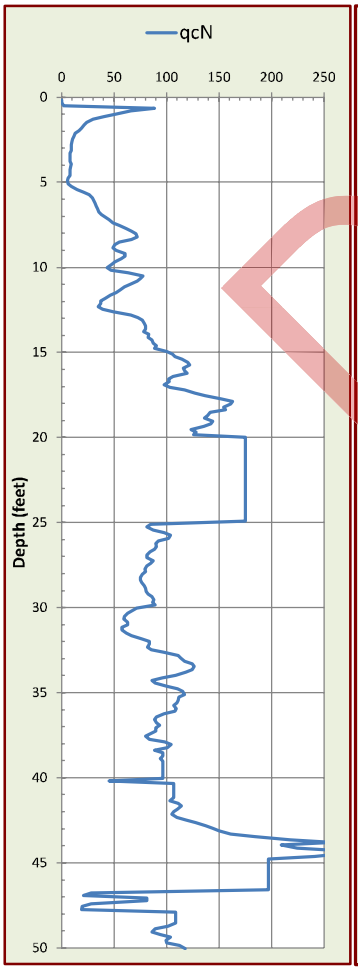
### POTENTIAL LATERAL DISPLACEMENT

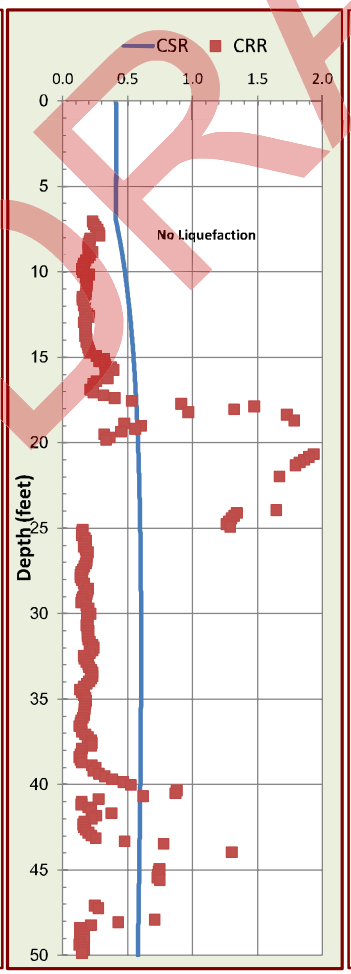
| | | | |
|---|---|---|---|
| LDI[2] | 2.82 | L/H | 104.4 |
| LDI[1] Corrected for Distance | 0.41 | (4 < L/H < 40) | |

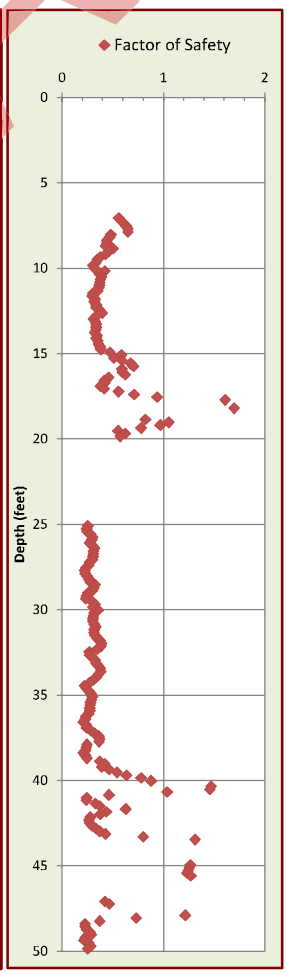
**EXPECTED RANGE OF DISPLACEMENT**

0.2 to 0.8 feet

[1]Not Valid for L/H Values < 4 and > 40.
[2]LDI Values Only Summed to 2H Below Grade.



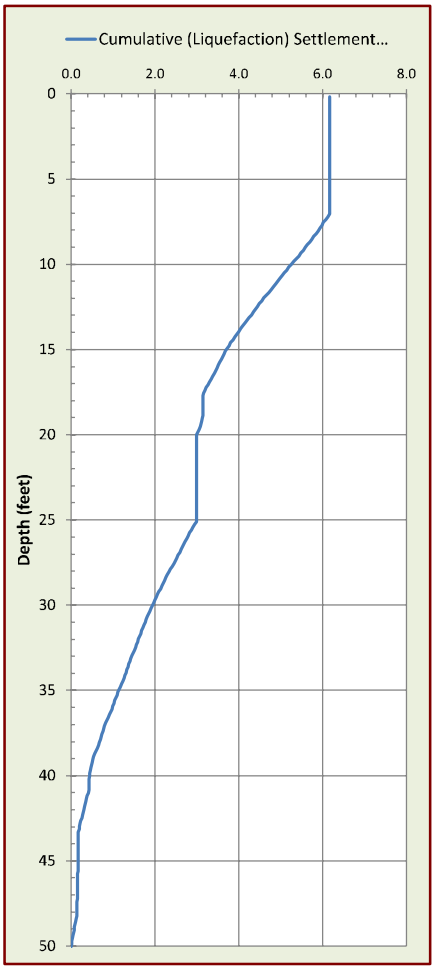




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**FIGURE 4D**

**CPT NO. 4**

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## PROJECT/CPT DATA

| | |
|---|---|
| Project Title | Downtown Library Res Mixed-Use |
| Project No. | 1271-2-1 |
| Project Manager | SCO |

### SEISMIC PARAMETERS

| | | |
|---|---|---|
| Controlling Fault | Monterey Bay-Tularcitos | |
| Earthquake Magnitude (Mw) | 7.26 | |
| PGA (Amax) | 0.637 | (g) |

### SITE SPECIFIC PARAMETERS

| | |
|---|---|
| Ground Water Depth at Time of Drilling (feet) | 10.3 |
| Design Water Depth (feet) | 7 |
| Ave. Unit Weight Above GW (pcf) | 120 |
| Ave. Unit Weight Below GW (pcf) | 125 |

## CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 7 FEET

0.13 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

6.06 (Inches)

**TOTAL SEISMIC SETTLEMENT 6.2 INCHES**

### POTENTIAL LATERAL DISPLACEMENT

LDI[2] 4.13 L/H 107.8

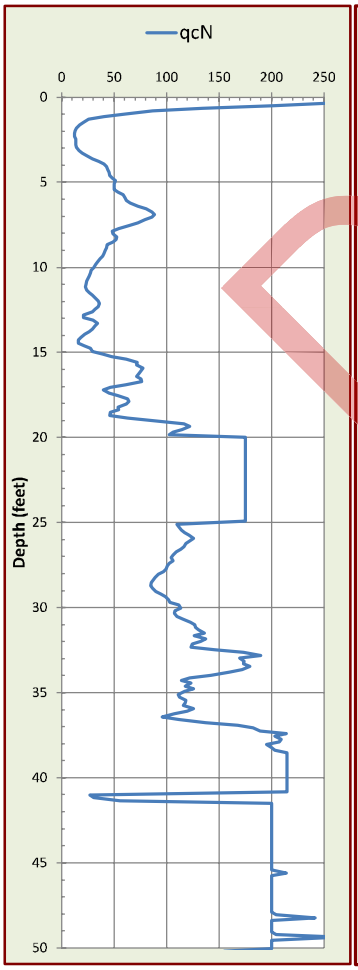
LDI[1] Corrected for Distance 0.59 (4 < L/H < 40)

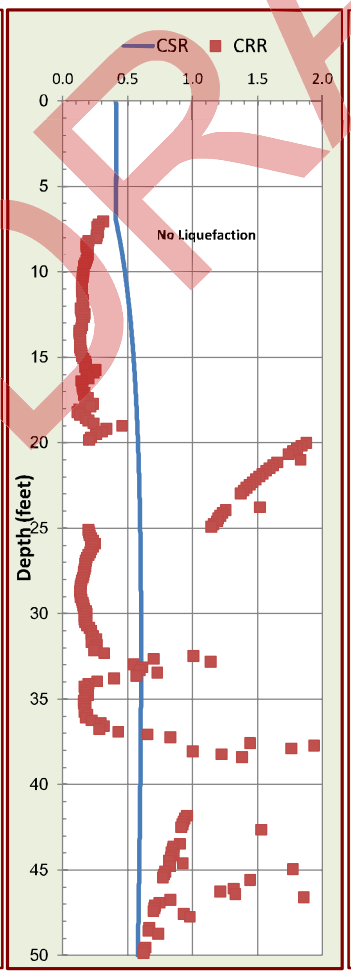
### EXPECTED RANGE OF DISPLACEMENT

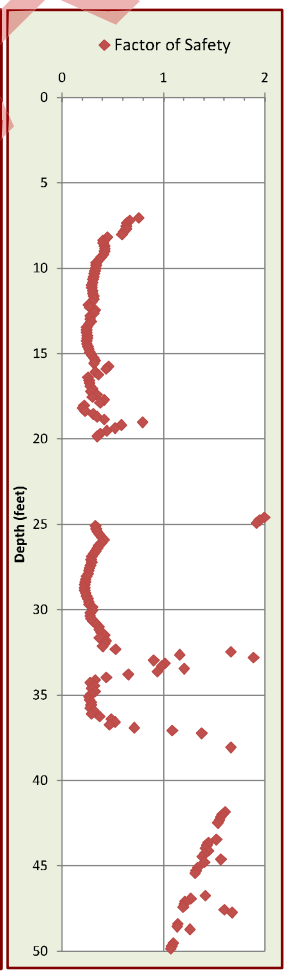
0.3 to 1.2 feet

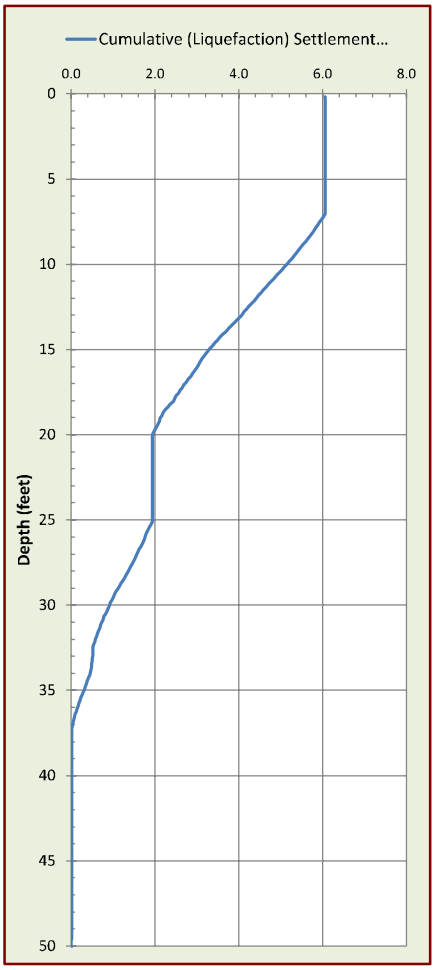
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.

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## APPENDIX A: FIELD INVESTIGATION

The field investigation consisted of a surface reconnaissance and a subsurface exploration program using truck-mounted, hollow-stem auger drilling equipment and 20-ton truck-mounted Cone Penetration Test equipment. Three 8-inch-diameter exploratory borings were drilled on April 18 and 19, 2022, to depths of 60 to 80 feet. Four CPT soundings were also performed in accordance with ASTM D 5778-95 (revised, 2002) on April 11, 2022, to depths ranging from 50 to 80 feet. The approximate locations of exploratory borings and CPTs are shown on the Site Plan, Figure 2. The soils encountered were continuously logged in the field by our representative and described in accordance with the Unified Soil Classification System (ASTM D2488). Boring logs, as well as a key to the classification of the soil , are included as part of this appendix.

Boring and CPT locations were approximated using existing site boundaries, a hand-held GPS unit, and other site features as references. Boring and CPT elevations were not determined. The locations of the borings and CPTs should be considered accurate only to the degree implied by the method used.

Representative soil samples were obtained from the borings at selected depths. All samples were returned to our laboratory for evaluation and appropriate testing. The standard penetration resistance blow counts were obtained by dropping a 140-pound hammer through a 30-inch free fall. The 2-inch O.D. split-spoon sampler was driven 18 inches and the number of blows was recorded for each 6 inches of penetration (ASTM D1586). 2.5-inch I.D. samples were obtained using a Modified California Sampler driven into the soil with the 140-pound hammer previously described. Unless otherwise indicated, the blows per foot recorded on the boring log represent the accumulated number of blows required to drive the last 12 inches. The various samplers are denoted at the appropriate depth on the boring logs.

The CPT involved advancing an instrumented cone-tipped probe into the ground while simultaneously recording the resistance at the cone tip ($q_c$) and along the friction sleeve ($f_s$) at approximately 5-centimeter intervals. Based on the tip resistance and tip to sleeve ratio ($R_f$), the CPT classified the soil behavior type and estimated engineering properties of the soil, such as equivalent Standard Penetration Test (SPT) blow count, internal friction angle within sand layers, and undrained shear strength in silts and clays. A pressure transducer behind the tip of the CPT cone measured pore water pressure ($u_2$). Graphical logs of the CPT data are included as part of this appendix.

Field tests included an evaluation of the unconfined compressive strength of the soil samples using a pocket penetrometer device. The results of these tests are presented on the individual boring logs at the appropriate sample depths.

Attached boring and CPT logs and related information depict subsurface conditions at the locations indicated and on the date designated on the logs. Subsurface conditions at other locations may differ from conditions occurring at these boring and CPT locations. The passage of time may result in altered subsurface conditions due to environmental changes. In addition,

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any stratification lines on the logs represent the approximate boundary between soil types and the transition may be gradual.

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# UNIFIED SOIL CLASSIFICATION (ASTM D-2487-10)

| MATERIAL TYPES | CRITERIA FOR ASSIGNING SOIL GROUP NAMES | | | GROUP SYMBOL | SOIL GROUP NAMES & LEGEND |
|---|---|---|---|---|---|
| COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE | GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE | CLEAN GRAVELS <5% FINES | Cu>4 AND 1<Cc<3 | GW | WELL-GRADED GRAVEL |
| | | | Cu>4 AND 1>Cc>3 | GP | POORLY-GRADED GRAVEL |
| | | GRAVELS WITH FINES >12% FINES | FINES CLASSIFY AS ML OR CL | GM | SILTY GRAVEL |
| | | | FINES CLASSIFY AS CL OR CH | GC | CLAYEY GRAVEL |
| | SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE | CLEAN SANDS <5% FINES | Cu>6 AND 1<Cc<3 | SW | WELL-GRADED SAND |
| | | | Cu>6 AND 1>Cc>3 | SP | POORLY-GRADED SAND |
| | | SANDS AND FINES >12% FINES | FINES CLASSIFY AS ML OR CL | SM | SILTY SAND |
| | | | FINES CLASSIFY AS CL OR CH | SC | CLAYEY SAND |
| FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE | SILTS AND CLAYS LIQUID LIMIT<50 | INORGANIC | PI>7 AND PLOTS>"A" LINE | CL | LEAN CLAY |
| | | | PI>4 AND PLOTS<"A" LINE | ML | SILT |
| | | ORGANIC | LL (oven dried)/LL (not dried)<0.75 | OL | ORGANIC CLAY OR SILT |
| | SILTS AND CLAYS LIQUID LIMIT>50 | INORGANIC | PI PLOTS >"A" LINE | CH | FAT CLAY |
| | | | PI PLOTS <"A" LINE | MH | ELASTIC SILT |
| | | ORGANIC | LL (oven dried)/LL (not dried)<0.75 | OH | ORGANIC CLAY OR SILT |
| HIGHLY ORGANIC SOILS | | PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR | | PT | PEAT |

## OTHER MATERIAL SYMBOLS

- Poorly-Graded Sand with Clay
- Clayey Sand
- Sandy Silt
- Artificial/Undocumented Fill
- Poorly-Graded Gravelly Sand
- Topsoil
- Well-Graded Gravel with Clay
- Well-Graded Gravel with Silt
- Sand
- Silt
- Well Graded Gravelly Sand
- Gravelly Silt
- Asphalt
- Boulders and Cobble

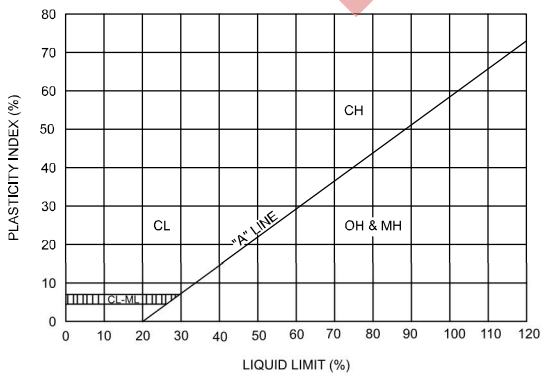
## SAMPLER TYPES

- SPT
- Modified California (2.5" I.D.)
- Rock Core
- Shelby Tube
- No Recovery
- Grab Sample

## ADDITIONAL TESTS

| | | | | | |
|---|---|---|---|---|---|
| CA | - | CHEMICAL ANALYSIS (CORROSIVITY) | PI | - | PLASTICITY INDEX |
| CD | - | CONSOLIDATED DRAINED TRIAXIAL | SW | | SWELL TEST |
| CN | - | CONSOLIDATION | TC | - | CYCLIC TRIAXIAL |
| CU | - | CONSOLIDATED UNDRAINED TRIAXIAL | TV | - | TORVANE SHEAR |
| DS | - | DIRECT SHEAR | UC | - | UNCONFINED COMPRESSION |
| PP | - | POCKET PENETROMETER (TSF) | (1.5) | - | (WITH SHEAR STRENGTH IN KSF) |
| (3.0) | - | (WITH SHEAR STRENGTH IN KSF) | | | |
| RV | - | R-VALUE | UU | - | UNCONSOLIDATED UNDRAINED TRIAXIAL |
| SA | - | SIEVE ANALYSIS: % PASSING #200 SIEVE | | | |
| ▼ | - | WATER LEVEL | | | |

## PLASTICITY CHART




## PENETRATION RESISTANCE
(RECORDED AS BLOWS / FOOT)

| SAND & GRAVEL | | SILT & CLAY | | |
|---|---|---|---|---|
| RELATIVE DENSITY | BLOWS/FOOT* | CONSISTENCY | BLOWS/FOOT* | STRENGTH** (KSF) |
| VERY LOOSE | 0 - 4 | VERY SOFT | 0 - 2 | 0 - 0.25 |
| LOOSE | 4 - 10 | SOFT | 2 - 4 | 0.25 - 0.5 |
| MEDIUM DENSE | 10 - 30 | MEDIUM STIFF | 4 - 8 | 0.5-1.0 |
| DENSE | 30 - 50 | STIFF | 8 - 15 | 1.0 - 2.0 |
| VERY DENSE | OVER 50 | VERY STIFF | 15 - 30 | 2.0 - 4.0 |
| | | HARD | OVER 30 | OVER 4.0 |

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

** UNDRAINED SHEAR STRENGTH IN KIPS/SQ. FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST, POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION.

CORNERSTONE EARTH GROUP

**LEGEND TO SOIL DESCRIPTIONS**

Figure Number A-1

DRAFT

# BORING NUMBER EB-1



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

**DATE STARTED** 4/15/22 **DATE COMPLETED** 4/15/22
**GROUND ELEVATION** **BORING DEPTH** 59.8 ft.
**DRILLING CONTRACTOR** Exploration Geoservices, Inc.
**LATITUDE** 36.9723520° **LONGITUDE** -122.0265925°
**DRILLING METHOD** Mobile B-61, 8 inch Hollow-Stem Auger
**GROUND WATER LEVELS:**
**LOGGED BY** JDS
**AT TIME OF DRILLING** 11 ft.
**NOTES**
**AT END OF DRILLING** 11 ft.

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| ELEVATION (ft) | DEPTH (ft) | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE |
|---|---|---|---|---|---|---|---|---|
| | 0 | 5 inches asphalt concrete over 5 inches aggregate base | | | | | | |
| | | **Silty Sand (SM) [Fill]** loose, moist, brown, fine to medium sand, some fine subangular gravel | 3 | MC-1B | 86 | 9 | | |
| | | abundant brick fragments | 8 | MC-2B | 87 | 15 | | 43 |
| | 5 | **Silty Sand (SM)** loose, moist, brown, fine to medium sand | 13 | MC-3B | 92 | 10 | | |
| | | **Poorly Graded Sand with Silt (SP)** loose, moist, gray and brown, fine to coarse sand | 11 | MC-4B | 92 | 6 | | |
| | 10 | becomes wet | | | | | | |
| | | **Poorly Graded Sand (SP)** loose, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 13 | MC-5B | 112 | 12 | | |
| | 15 | becomes medium dense | 15 | SPT | | | | |
| | | **Poorly Graded Sand with Silt (SP-SM)** dense to very dense, moist, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 50 3" | SPT-7 | | 20 | | |
| | | | 43 | SPT | | | | |
| | 20 | | 35 | SPT-9 | | 14 | | 5 |
| | | | 35 | SPT | | | | |
| | 25 | | 50 6" | SPT-11 | | 14 | | |

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 5/16/22 07:23 - P:\DRAFTING\GINT FILES\1271-2-1 CEDAR AVE.GPJ

CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (HAND PENETROMETER, TORVANE, UNCONFINED COMPRESSION, UNCONSOLIDATED-UNDRAINED TRIAXIAL) 1.0 2.0 3.0 4.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand with Silt (SP-SM)** dense to very dense, moist, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 38 | SPT | | | | | |
| | | | medium dense at 28 feet | 19 | SPT-13 | | 13 | | | |
| | 30 | | | | | | | | | |
| | | | | 66 | SPT-14 | | 13 | | | |
| | 35 | | | | | | | | | |
| | | | | 36 | SPT-15 | | 17 | | | |
| | 40 | | | | | | | | | |
| | | | | 79 | SPT | | | | | |
| | 45 | | | | | | | | | |
| | | | | 43 | SPT-17 | | 15 | | | |
| | 50 | | | | | | | | | |
| | | | | 53 | SPT | | | | | |
| | 55 | | | | | | | | | |

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 5/16/22 07:23 - P:\DRAFTING\GINT FILES\1271-2-1 CEDAR AVE.GPJ

# BORING NUMBER EB-1



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street

**PROJECT NUMBER** 1271-2-1

**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand with Silt (SP-SM)** dense to very dense, moist, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 50 / 3" | SPT-19 | | 15 | | | |
| | 60 | | Bottom of Boring at 59.8 feet. | | | | | | | |
| | 65 | | | | | | | | | |
| | 70 | | | | | | | | | |
| | 75 | | | | | | | | | |
| | 80 | | | | | | | | | |
| | 85 | | | | | | | | | |

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# BORING NUMBER EB-2



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

**DATE STARTED** 4/19/22 **DATE COMPLETED** 4/19/22
**GROUND ELEVATION** **BORING DEPTH** 80 ft.
**DRILLING CONTRACTOR** Exploration Geoservices, Inc.
**LATITUDE** 36.9720089° **LONGITUDE** -122.0265345°
**DRILLING METHOD** Mobile B-61, 8 inch Hollow-Stem Auger
**GROUND WATER LEVELS:**
**LOGGED BY** JDS
**AT TIME OF DRILLING** 11 ft.
**NOTES**
**AT END OF DRILLING** 11 ft.

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | | 2 inches asphalt concrete over 8 inches aggregate base | | | | | | | |
| | | | **Silty Sand (SM) [Fill]** loose, moist, brown, fine sand | 15 | MC-1B | 79 | 19 | | | |
| | | | **Lean Clay with Sand (CL)** very stiff, moist, brown, fine sand, low plasticity | 7 | MC-2B | 87 | 21 | | | ○ |
| | 5 | | | 15 | MC-3B | 96 | 18 | | | |
| | | | **Silty Sand (SM)** loose, moist, brown, fine sand | | | | | | | |
| | | | **Poorly Graded Sand with Silt (SP-SM)** medium dense, moist, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 22 | MC | | | | | |
| | 10 | | becomes wet | | | | | | | |
| | | | | 11 | SPT-5 | | 25 | | 7 | |
| | 15 | | | 16 | SPT | | | | | |
| | | | **Poorly Graded Sand (SP)** dense, wet, gray, fine to coarse sand, some fine subangular to subrounded gravel | 38 | SPT-7 | | 12 | | 2 | |
| | 20 | | | | | | | | | |
| | | | becomes medium dense | 23 | SPT-8 | | 15 | | | |
| | 25 | | | | | | | | | |

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# BORING NUMBER EB-2



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand with Silt (SP-SM)** medium dense to dense, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 22 | SPT | | | | | |
| | | | | 44 | SPT-10 | | 14 | | | |
| | 30 | | | | | | | | | |
| | | | **Silty Sand (SM)** very dense to dense, moist, gray and brown, fine to coarse sand | 62 | SPT-11 | | 20 | | | |
| | 35 | | | | | | | | | |
| | | | | 35 | SPT-12 | | 22 | | | |
| | 40 | | | | | | | | | |
| | | | **Poorly Graded Sand with Silt (SP-SM)** dense, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 40 | SPT | | | | | |
| | 45 | | | | | | | | | |
| | | | **Silty Sand (SM)** medium dense to dense, moist, gray and brown, fine to coarse sand | 18 | SPT-14 | | 26 | | | |
| | 50 | | | 38 | SPT | | | | | |
| | | | | 27 | SPT-16 | | 19 | | | |
| | 55 | | | | | | | | | |

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# BORING NUMBER EB-2



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street

**PROJECT NUMBER** 1271-2-1

**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (HAND PENETROMETER, TORVANE, UNCONFINED COMPRESSION, UNCONSOLIDATED-UNDRAINED TRIAXIAL) 1.0 2.0 3.0 4.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand with Silt (SP-SM)** very dense, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | | | | | | | |
| | | | | 50 / 3" | SPT-17 | | 15 | | | |
| | 60 | | | | | | | | | |
| | | | | 68 | SPT | | | | | |
| | 65 | | | | | | | | | |
| | | | | 60 | SPT-19 | | 15 | | | |
| | 70 | | | | | | | | | |
| | | | | 50 / 6" | SPT | | | | | |
| | 75 | | | | | | | | | |
| | | | | 75 | SPT-21 | | 15 | | | |
| | 80 | | Bottom of Boring at 80.0 feet. | | | | | | | |
| | 85 | | | | | | | | | |

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# BORING NUMBER EB-3



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

**DATE STARTED** 4/18/22 **DATE COMPLETED** 4/18/22
**GROUND ELEVATION** **BORING DEPTH** 60 ft.
**DRILLING CONTRACTOR** Exploration Geoservices, Inc.
**LATITUDE** 36.9716944° **LONGITUDE** -122.0266914°
**DRILLING METHOD** Mobile B-61, 8 inch Hollow-Stem Auger
**GROUND WATER LEVELS:**
**LOGGED BY** JDS
**AT TIME OF DRILLING** 9 ft.
**NOTES**
**AT END OF DRILLING** 9 ft.

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (HAND PENETROMETER ○, TORVANE △, UNCONFINED COMPRESSION ●, UNCONSOLIDATED-UNDRAINED TRIAXIAL ▲; 1.0 2.0 3.0 4.0) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | | **Poorly Graded Sand with Silt (SP-SM) [Fill]** loose, moist, brown, fine to medium sand, fine subangular gravel | | | | | | | |
| | | | **Lean Clay with Sand (CL)** very stiff, moist, brown, fine sand, low plasticity Liquid Limit = 33, Plastic Limit = 23 | 9 | MC-1B | 82 | 20 | 10 | 75 | |
| | | | | 5 | MC-2B | 94 | 18 | | | |
| | 5 | | **Silty Sand (SM)** loose, moist, brown, fine to medium sand | 9 | MC-3B | 90 | 6 | | | |
| | | | **Poorly Graded Sand with Silt (SP-SM)** loose, moist, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | | | | | | | |
| | | | becomes wet | 13 | MC-4B | 94 | 23 | | | |
| | 10 | | | 17 | MC | | | | | |
| | | | | 20 | MC-6B | 116 | 8 | | | |
| | 15 | | becomes medium dense | 25 | MC | | | | | |
| | | | **Poorly Graded Sand (SP)** very dense, wet, gray and brown, fine to coarse sand | 50 / 6" | SPT-8 | | 13 | | 2 | |
| | 20 | | | | | | | | | |
| | | | | 52 | SPT-9 | | 18 | | | |
| | 25 | | | | | | | | | |

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 5/16/22 07:23 - P:\DRAFTING\GINT FILES\1271-2-1 CEDAR AVE.GPJ

CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street
**PROJECT NUMBER** 1271-2-1
**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand (SP)**<br>very dense, wet, gray and brown, fine to coarse sand | | | | | | | |
| | 30 | | | 57 | SPT | | | | | |
| | | | **Sandy Silt (ML)**<br>soft, wet, gray, fine sand, low plasticity | | | | | | | |
| | 35 | | | 16 | SPT-11 | | 36 | | | ○ |
| | | | **Silty Sand (SM)**<br>dense, moist, gray and brown, fine to coarse sand | | | | | | | |
| | 40 | | | 38 | SPT-12 | | 23 | | | |
| | | | **Poorly Graded Sand with Silt (SP-SM)**<br>dense, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | | | | | | | |
| | 45 | | | 33 | SPT | | | | | |
| | 50 | | | 39 | SPT-14 | | 16 | | | |
| | | | becomes very dense | 63 | SPT | | | | | |
| | 55 | | | | | | | | | |

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 5/16/22 07:23 - P:\DRAFTING\GINT FILES\1271-2-1 CEDAR AVE.GPJ

# BORING NUMBER EB-3



CORNERSTONE EARTH GROUP

**PROJECT NAME** 600 Cedar Street

**PROJECT NUMBER** 1271-2-1

**PROJECT LOCATION** Santa Cruz, CA

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| ELEVATION (ft) | DEPTH (ft) | SYMBOL | DESCRIPTION | N-Value (uncorrected) blows per foot | SAMPLES TYPE AND NUMBER | DRY UNIT WEIGHT PCF | NATURAL MOISTURE CONTENT | PLASTICITY INDEX, % | PERCENT PASSING No. 200 SIEVE | UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL) 1.0 2.0 3.0 4.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Poorly Graded Sand with Silt (SP-SM)** very dense, wet, gray and brown, fine to coarse sand, some fine subangular to subrounded gravel | 75 | SPT-16 | | 17 | | | |
| | 60 | | Bottom of Boring at 60.0 feet. | | | | | | | |
| | 65 | | | | | | | | | |
| | 70 | | | | | | | | | |
| | 75 | | | | | | | | | |
| | 80 | | | | | | | | | |
| | 85 | | | | | | | | | |

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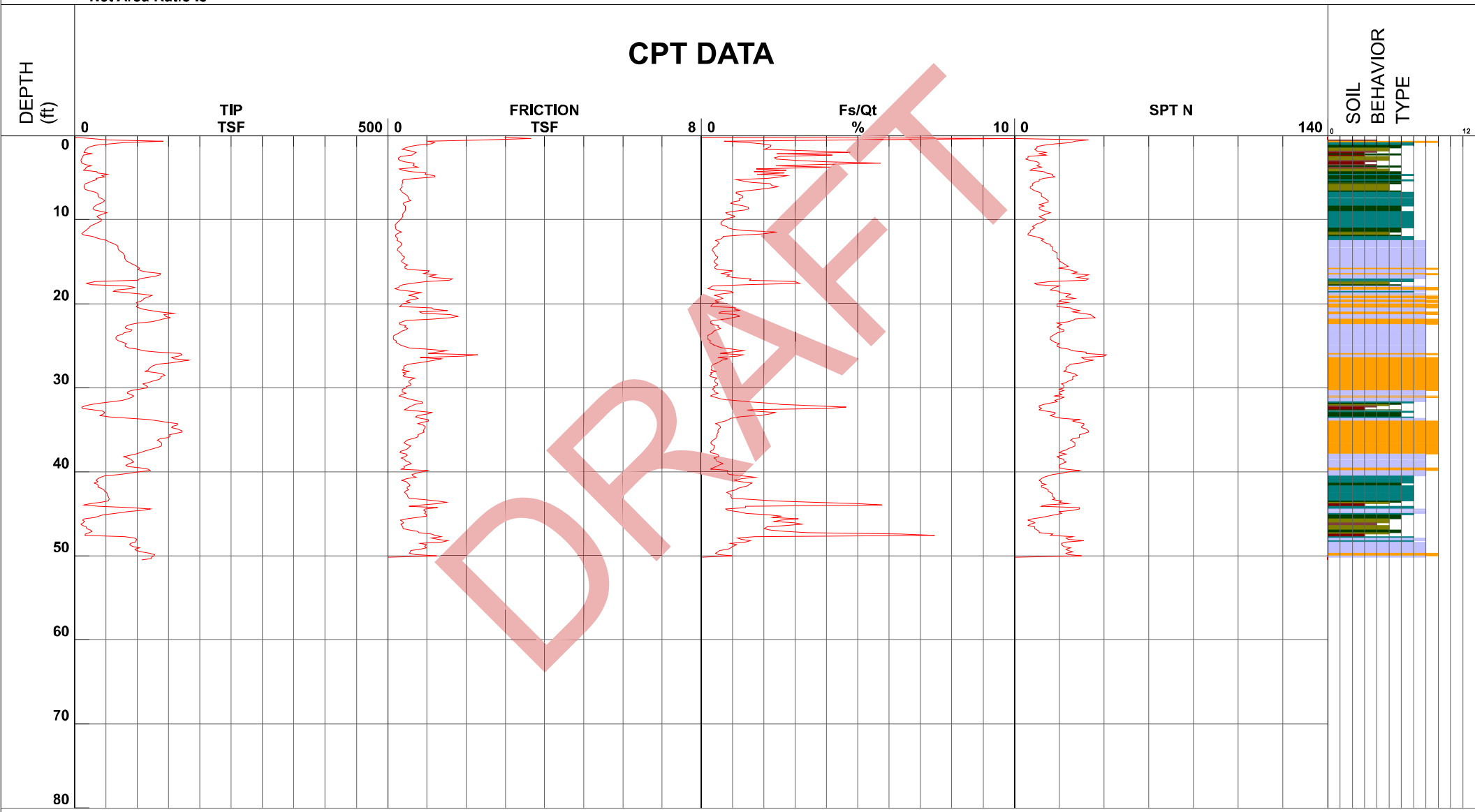
CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 5/16/22 07:23 - P:\DRAFTING\GINT FILES\1271-2-1 CEDAR AVE.GPJ

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Project | 600 Cedar Street | Operator | AJ-GM-BH | Filename | SDF(703).cpt |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | GPS | |
| Hole Number | CPT-01 | Date and Time | 4/11/2022 11:47:36 AM | Maximum Depth | 50.52 ft |
| EST GW Depth During Test | | 11.00 ft | | | |

Net Area Ratio .8




1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

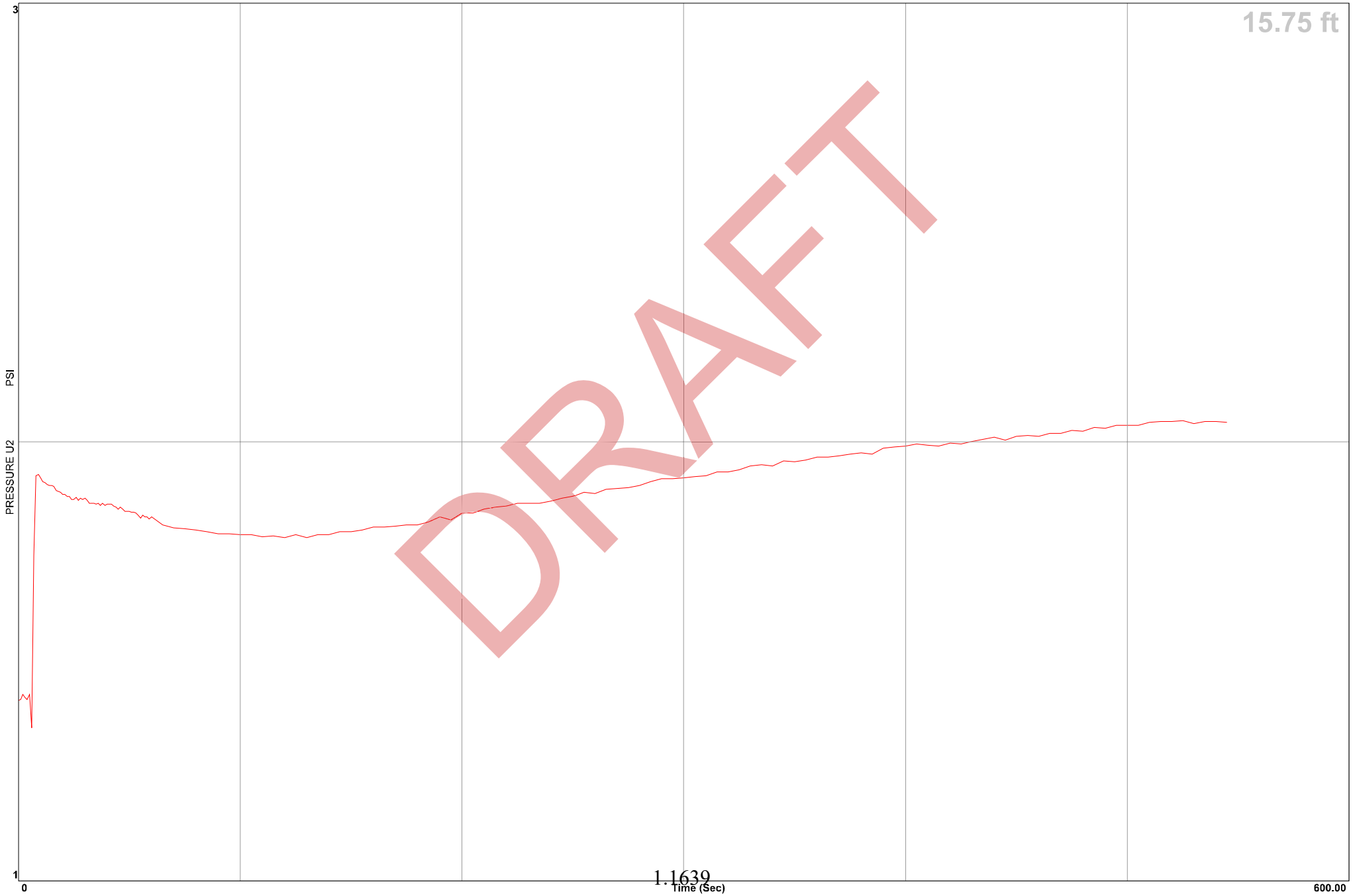


Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Location | 600 Cedar Street | Operator | AJ-GM-BH | GPS | |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | | |
| Hole Number | CPT-01 | Date and Time | 4/11/2022 11:47:36 AM | | |
| Equilized Pressure | 2.0 | EST GW Depth During Test | 11.0 | | |



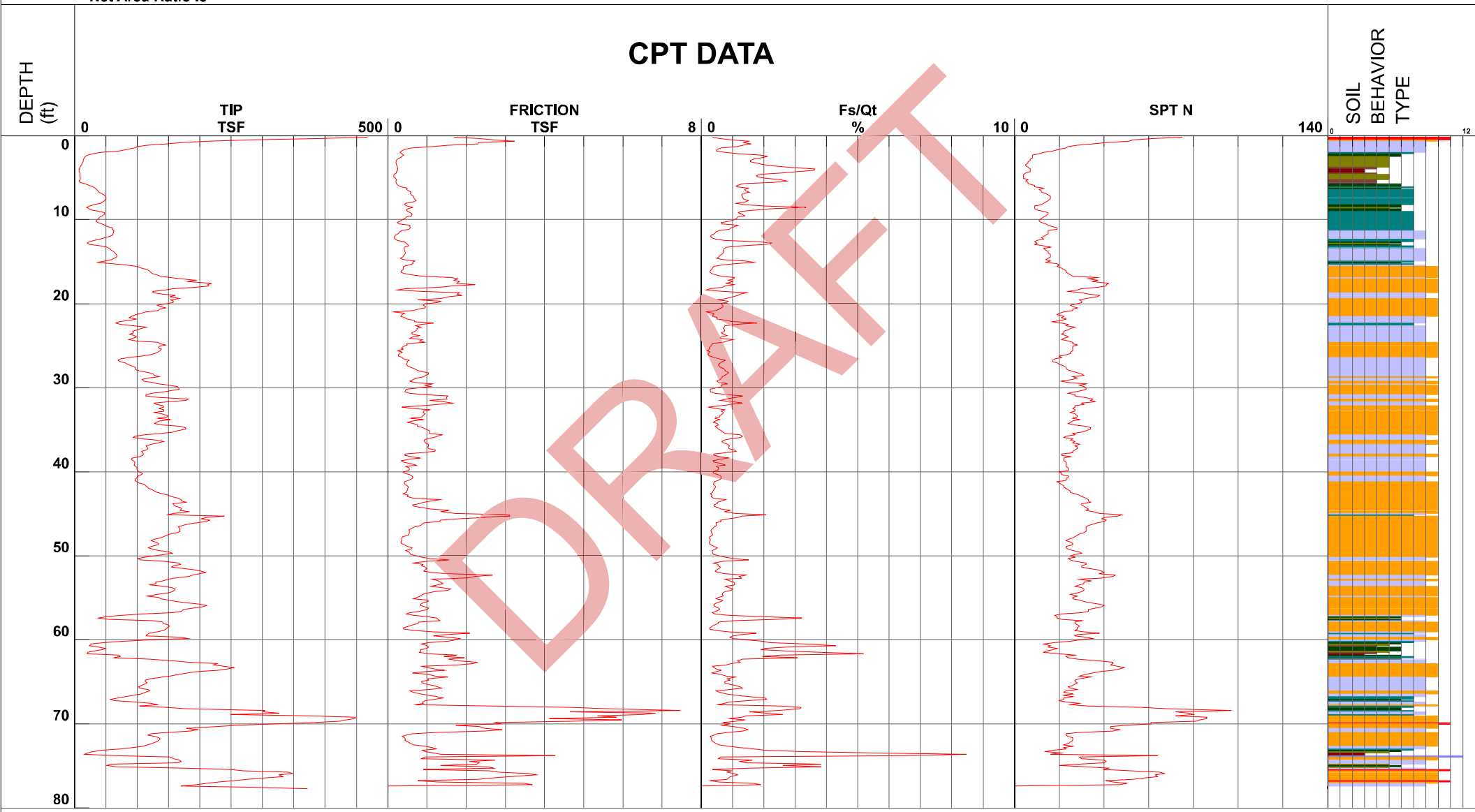

1.1639

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Project | 600 Cedar Street | Operator | AJ-GM-BH | Filename | SDF(700).cpt |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | GPS | |
| Hole Number | CPT-02 | Date and Time | 4/11/2022 7:59:09 AM | Maximum Depth | 77.75 ft |
| EST GW Depth During Test | | 10.00 ft | | | |

Net Area Ratio .8

## CPT DATA




1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

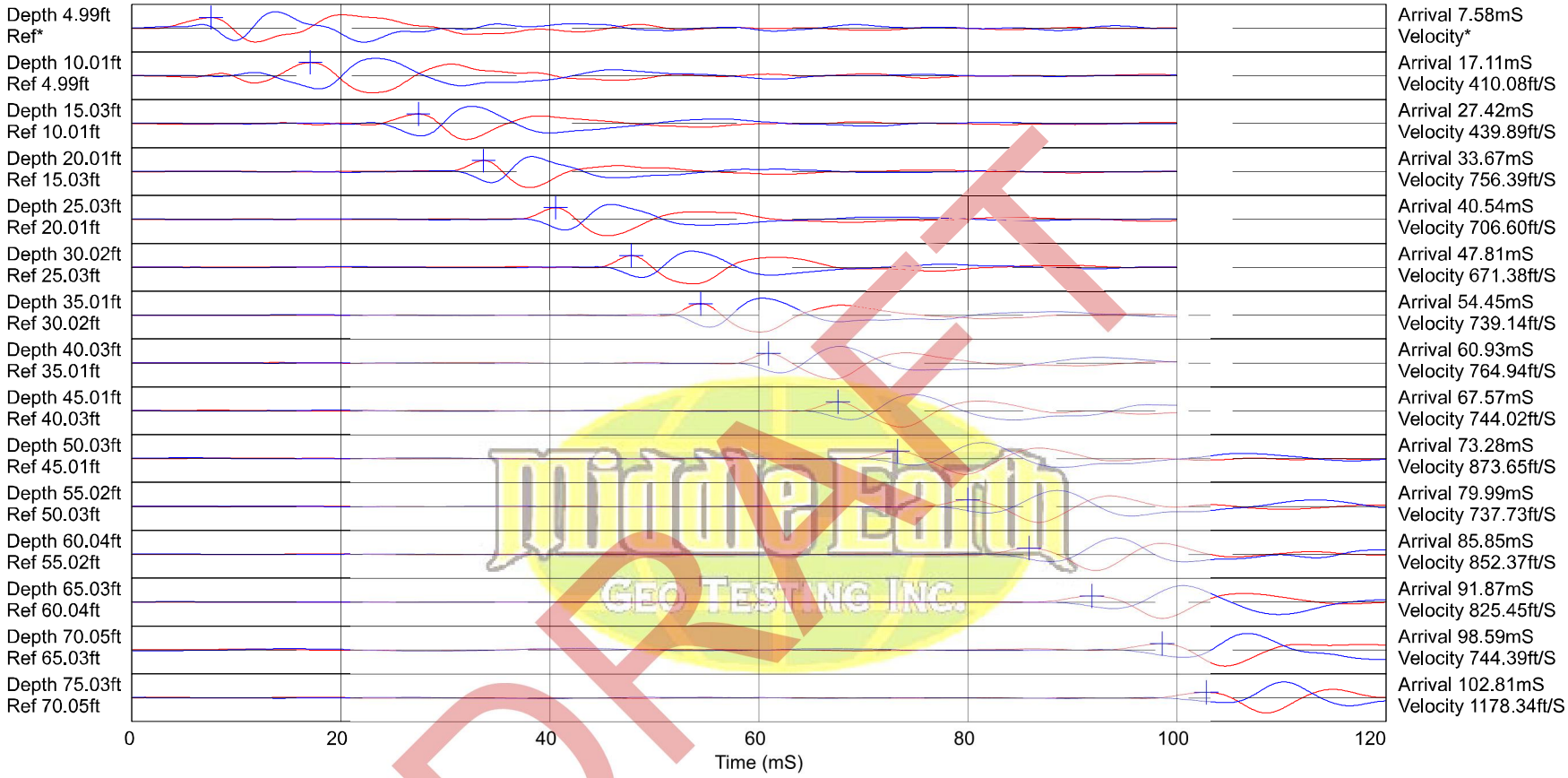
Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

CPT-02

Cornerstone Earth Group

600 Cedar Street



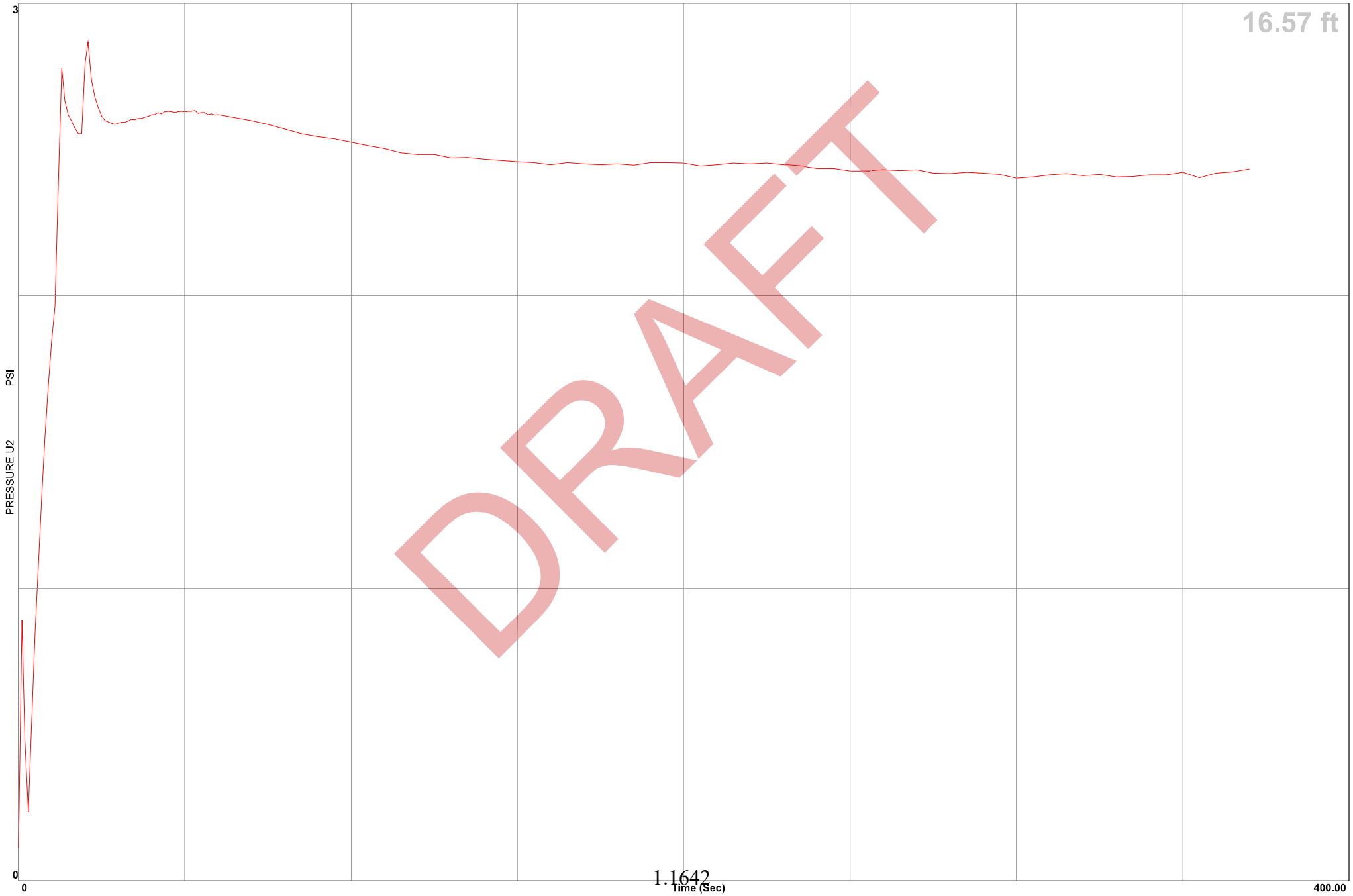

Hammer to Rod String Distance (ft): 5.83
* = Not Determined

COMMENT:

DRAFT

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Location | 600 Cedar Street | Operator | AJ-GM-BH | GPS | |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | | |
| Hole Number | CPT-02 | Date and Time | 4/11/2022 7:59:09 AM | | |
| Equilized Pressure | 2.4 | EST GW Depth During Test | 10.9 | | |



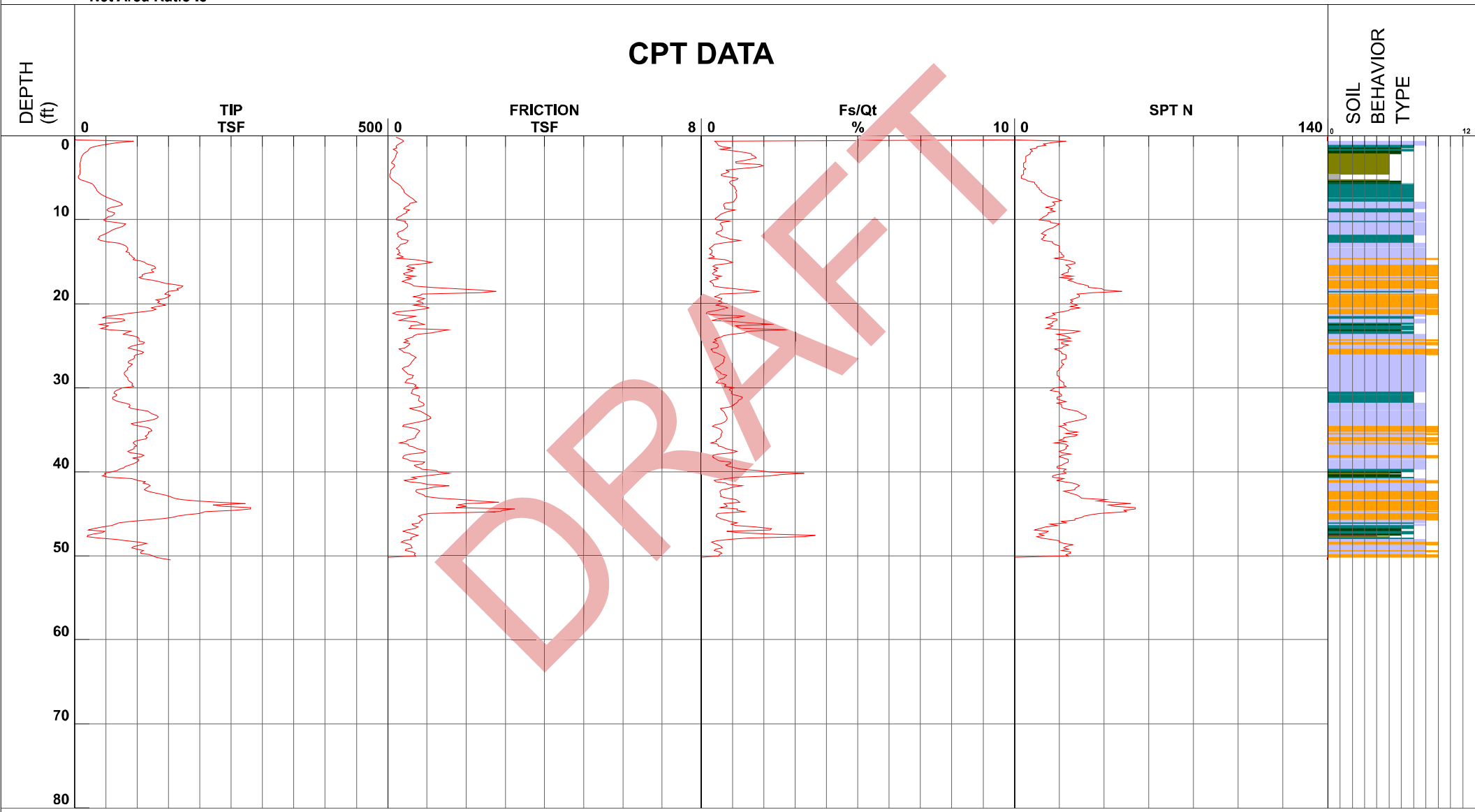

1.1642

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Project | 600 Cedar Street | Operator | AJ-GM-BH | Filename | SDF(704).cpt |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | GPS | |
| Hole Number | CPT-03 | Date and Time | 4/11/2022 1:52:55 PM | Maximum Depth | 50.52 ft |
| EST GW Depth During Test | | 10.00 ft | | | |

Net Area Ratio .8

## CPT DATA



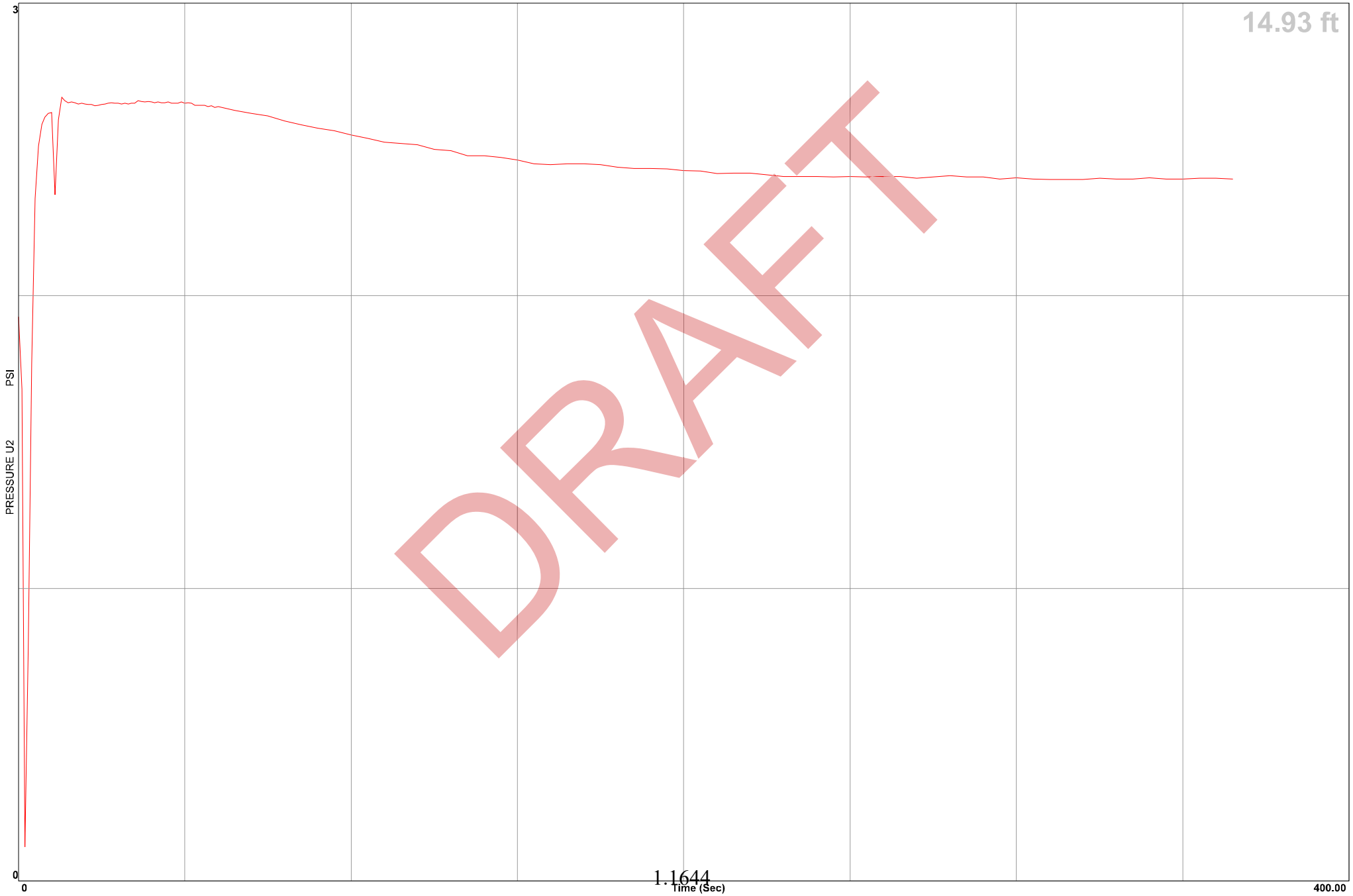

1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Location | 600 Cedar Street | Operator | AJ-GM-BH | GPS | |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | | |
| Hole Number | CPT-03 | Date and Time | 4/11/2022 1:52:55 PM | | |
| Equilized Pressure | 2.4 | EST GW Depth During Test | 9.3 | | |



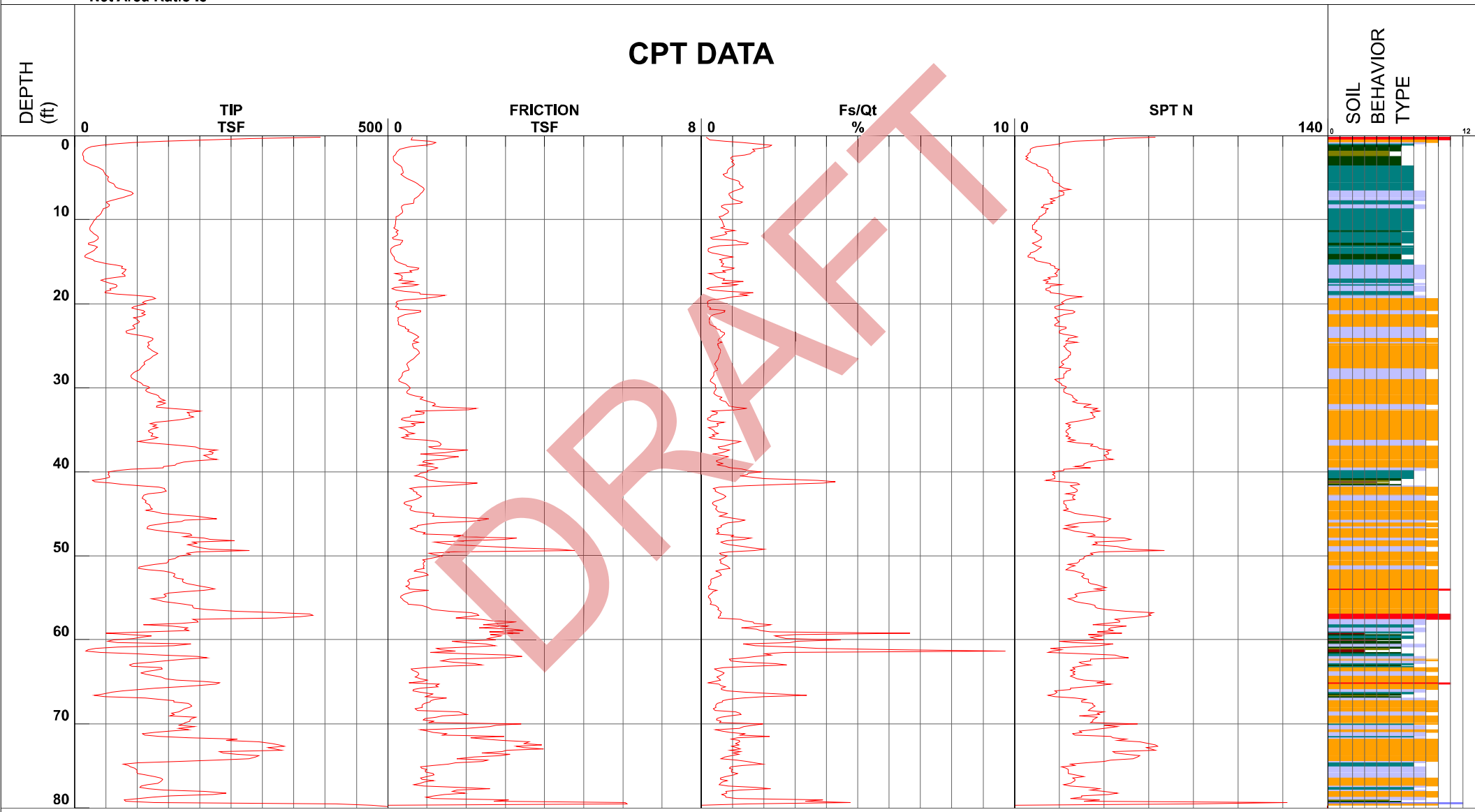

1.1644

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Project | 600 Cedar Street | Operator | AJ-GM-BH | Filename | SDF(701).cpt |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | GPS | |
| Hole Number | CPT-04 | Date and Time | 4/11/2022 10:10:39 AM | Maximum Depth | 80.05 ft |
| EST GW Depth During Test | 10.00 ft | | | | |

Net Area Ratio .8

## CPT DATA




1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

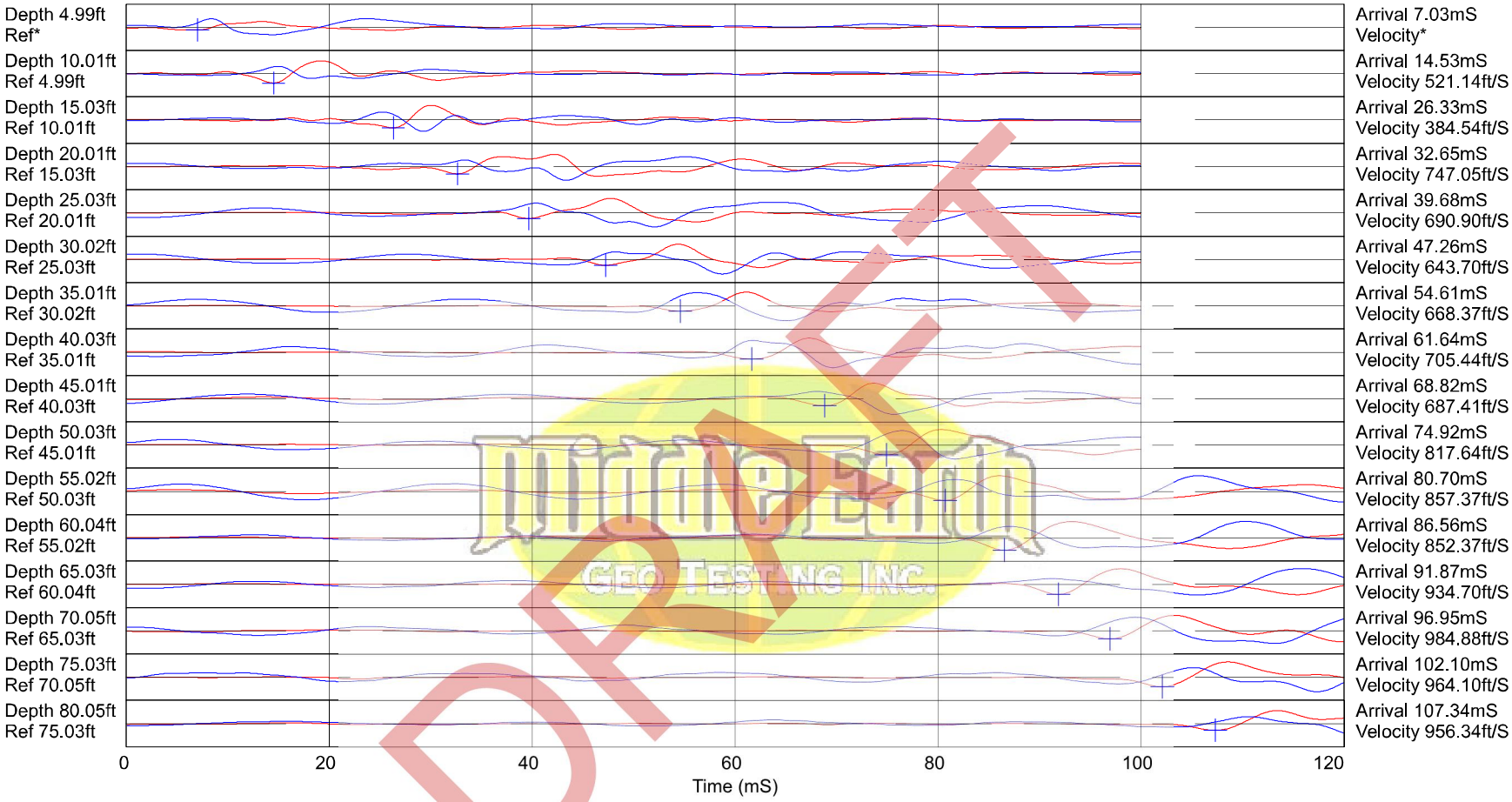
Cone Size 15cm squared

S*Soil behavior type and SPT based on data from UBC-1983

CPT-04

Cornerstone Earth Group

600 Cedar Street



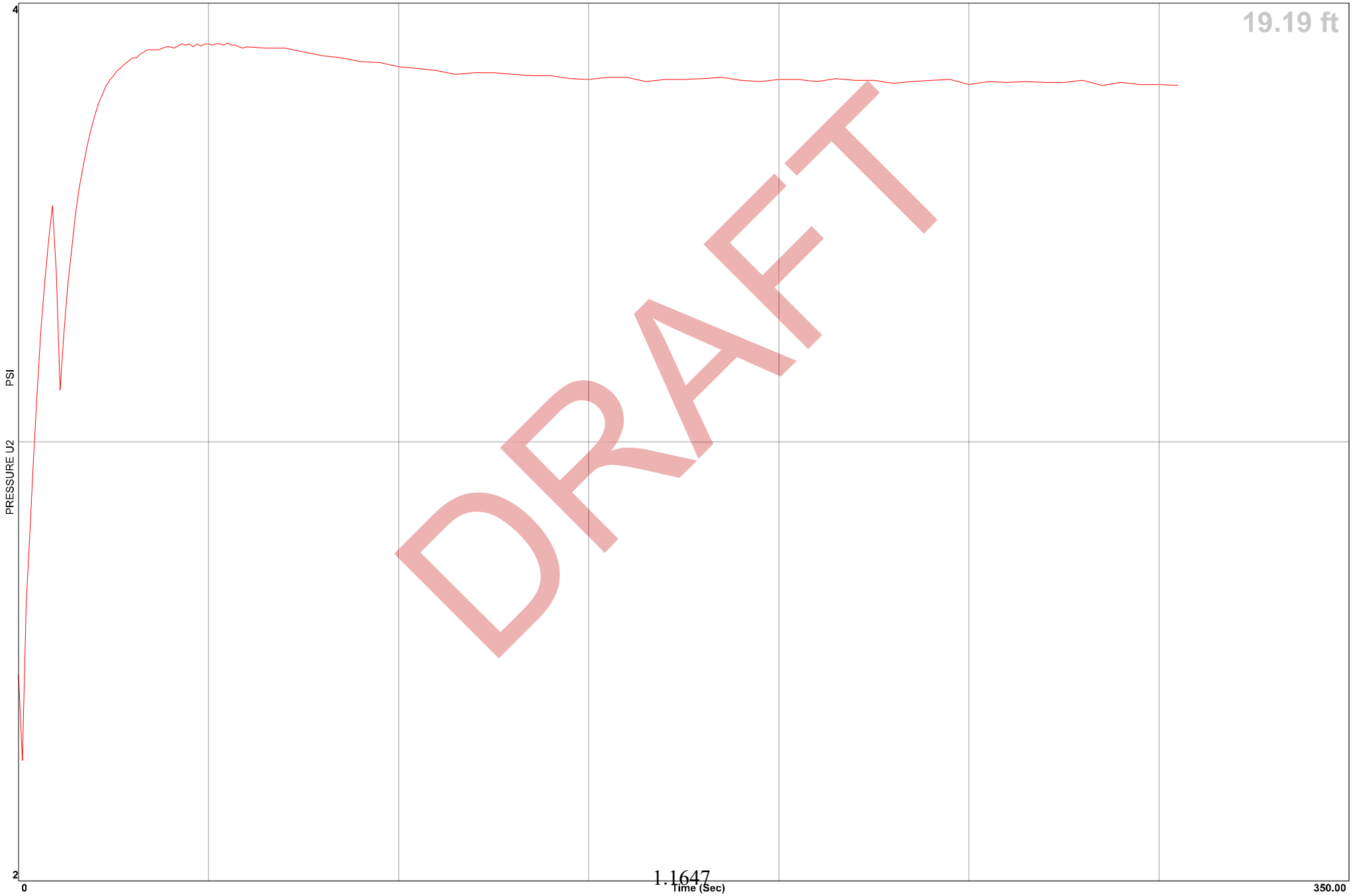

Hammer to Rod String Distance (ft): 5.83
* = Not Determined

COMMENT:

DRAFT

# Cornerstone Earth Group

| | | | | | |
|---|---|---|---|---|---|
| Location | 600 Cedar Street | Operator | AJ-GM-BH | GPS | |
| Job Number | 1271-2-1 | Cone Number | DDG1596 | | |
| Hole Number | CPT-04 | Date and Time | 4/11/2022 10:10:39 AM | | |
| Equilized Pressure | 3.8 | EST GW Depth During Test | 10.3 | | |




1.1647

## APPENDIX B: LABORATORY TEST PROGRAM

The laboratory testing program was performed to evaluate the physical and mechanical properties of the soils retrieved from the site to aid in verifying soil classification.

**Moisture Content:** The natural water content was determined (ASTM D2216) on 38 samples of the materials recovered from the borings. These water contents are recorded on the boring logs at the appropriate sample depths.

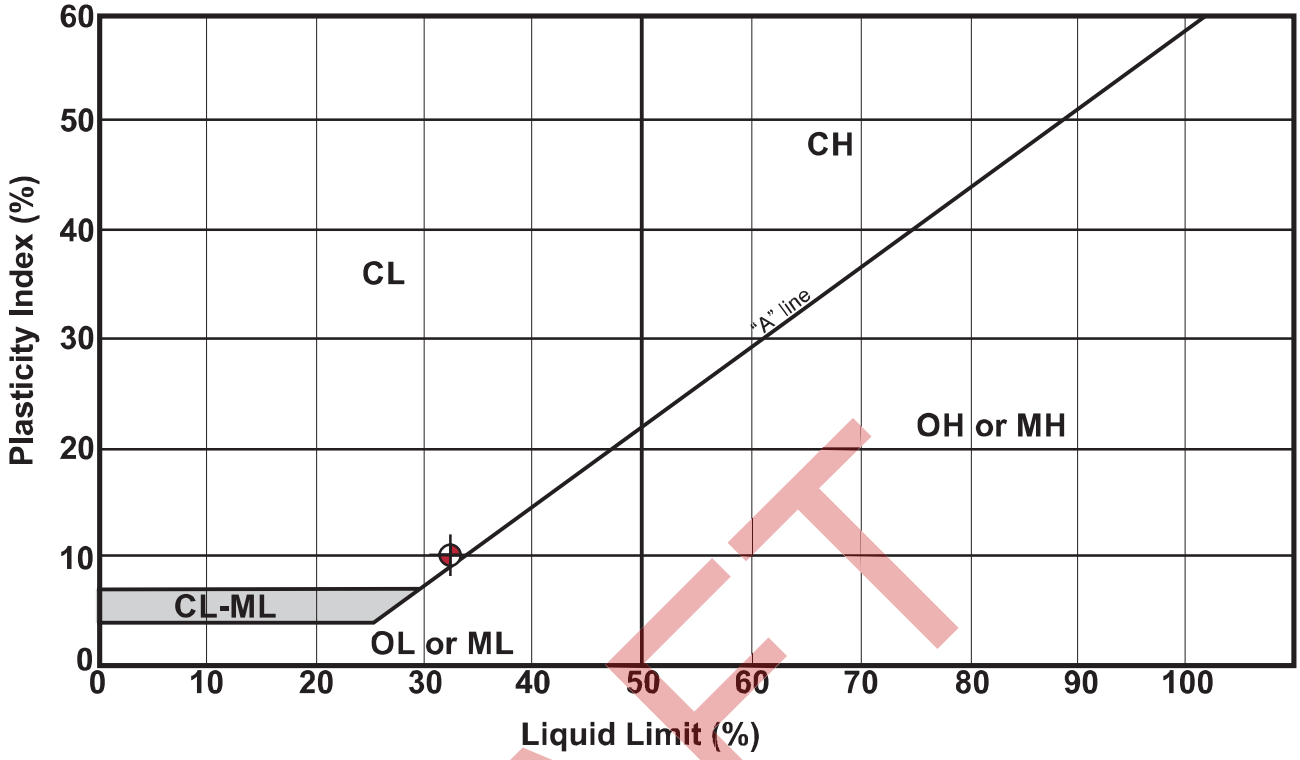
**Dry Densities:** In place dry density determinations (ASTM D2937) were performed on 13 samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

**Washed Sieve Analyses:** The percent soil fraction passing the No. 200 sieve (ASTM D1140) was determined on 6 samples of the subsurface soils to aid in the classification of these soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

**Plasticity Index:** One Plasticity Index determination (ASTM D4318) was performed on a sample of the subsurface soil to measure the range of water contents over which this material exhibits plasticity. The Plasticity Index was used to classify the soil in accordance with the Unified Soil Classification System and to evaluate the soil expansion potential. Results of this test are shown on the boring log at the appropriate sample depth.

DRAFT

## Plasticity Index (ASTM D4318) Testing Summary




| Symbol | Boring No. | Depth (ft) | Natural Water Content (%) | Liquid Limit (%) | Plastic Limit (%) | Plasticity Index | Passing No. 200 (%) | Group Name (USCS - ASTM D2487) |
|---|---|---|---|---|---|---|---|---|
| ⊕ | EB-3 | 2.0 | 20 | 33 | 23 | 10 | 75 | Lean Clay with Sand (CL) |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |

DRAFT

CORNERSTONE EARTH GROUP

Plasticity Index Testing Summary

Downtown Library Mixed-Use
600 Cedar Street
Santa Cruz, CA

Project Number: 1271-2-1

Figure Number: Figure B1

Date: May 2022

Drawn By: FLL

Appendix H

**Stormwater and Low-Impact Development BMP Requirement Worksheet**

# APPENDIX A
# STORM WATER AND LOW-IMPACT DEVELOPMENT BMP REQUIREMENT WORKSHEET

**How to Use This Worksheet**

The City's Storm Water BMP requirements are based on project type, proposed impervious area, and location within the watershed. This worksheet was developed to help permit applicants determine and meet storm water BMP requirements applicable to a proposed development or redevelopment

1 - Download this fillable form online at **www.cityofsantacruz.com/LID**
2 - Fill out the Worksheet to determine what stormwater BMP requirements apply to a proposed project.
3 - Attach Worksheet and additional documentation required as listed in the City Storm Water Best Management Practices for Private and Public Development Projects to plans for review by the Department of Public Works
4 - Please contact the Public Works Environmental Project Analyst at 420-5160 if you have any questions on completing the worksheet.

**Project Address:** 600 Cedar St, Santa Cruz **Bldg Permit #:** TBD

**A - Project Type**

Check project type that applies:

☐ Single Family Home ☒ Multi-family, Commercial, Industrial, Public facilities

Check development type that applies:

☐ New Development ☒ Redevelopment / Remodel

**B - Proposed Development Area and Impervious Area:**

| | | |
|---|---|---|
| **Pre-project** impervious surface area: | 65,560 | sq ft |
| **Post-project** impervious surface area: | 44,440 | sq ft |
| Amount of impervious surface area that will be **replaced**: | 44,440 | sq ft |
| Amount of new impervious surface area that will be **created**: | 0 | sq ft |
| Reduced Impervious Area Credit: | 0 | sq ft |

**New and Replaced Impervious Area =** 44,440 **sq ft**

**Net Impervious Area =** 44,440 **sq ft**

(Net Impervious Area = Impervious Area created + Impervious Area replaced - Reduced Impervious Area Credit)

**C - Post-Construction BMP Tier requirement:**

Check Project Type and Impervious Area (from calculations above) that applies.

**BMP requirements are cumulative** (e.g. a project subject to BMP Tier 3 is also subject to Tiers 1 and 2), permit review fees are not cumulative.

Projects requiring a Stormwater Control Plan will need to involve a civil engineer.

| SINGLE-FAMILY HOMES | BMP TIER | Permit Review Fee | Stormwater Control Plan required? |
|---|---|---|---|
| ☐ Single-family Home with Net Impervious Area **< 15,000 sf**, **please consult Chapter 6A, BMPs for Single-Family Homes on Small Lots** | **N/A** | $0 | No |
| ☐ Net Impervious Area **≥ 15,000 sf**; New and replaced impervious area **< 22,500 sf** | **3** | $330 | Yes |
| ☐ New and replaced impervious area **≥ 22,500 sf** | **4** | $550 | Yes |

| MULTI-FAMILY, COMMERCIAL, INDUSTRIAL, PUBLIC FACILITIES | BMP TIER | Permit Review Fee | Stormwater Control Plan Required? |
|---|---|---|---|
| ☐ New and Replaced Impervious Area **≥ 2,500 sf**; Net Impervious Area **< 5,000 sf** | **1** | $0 | No |
| ☐ Net Impervious Area **≥ 5,000 sf**; New and Replaced Impervious Area **< 15,000 sf** | **2** | $330 | Yes |
| ☐ New and Replaced Impervious Area **≥ 15,000 sf** but **< 22,500 sf** | **3** | $550 | Yes |
| ☒ New and replaced impervious area **≥ 22,500 sf** | **4** | $550 | Yes |

**If the proposed project is only subject to BMP Tiers 1 or 2, skip to Step F.**

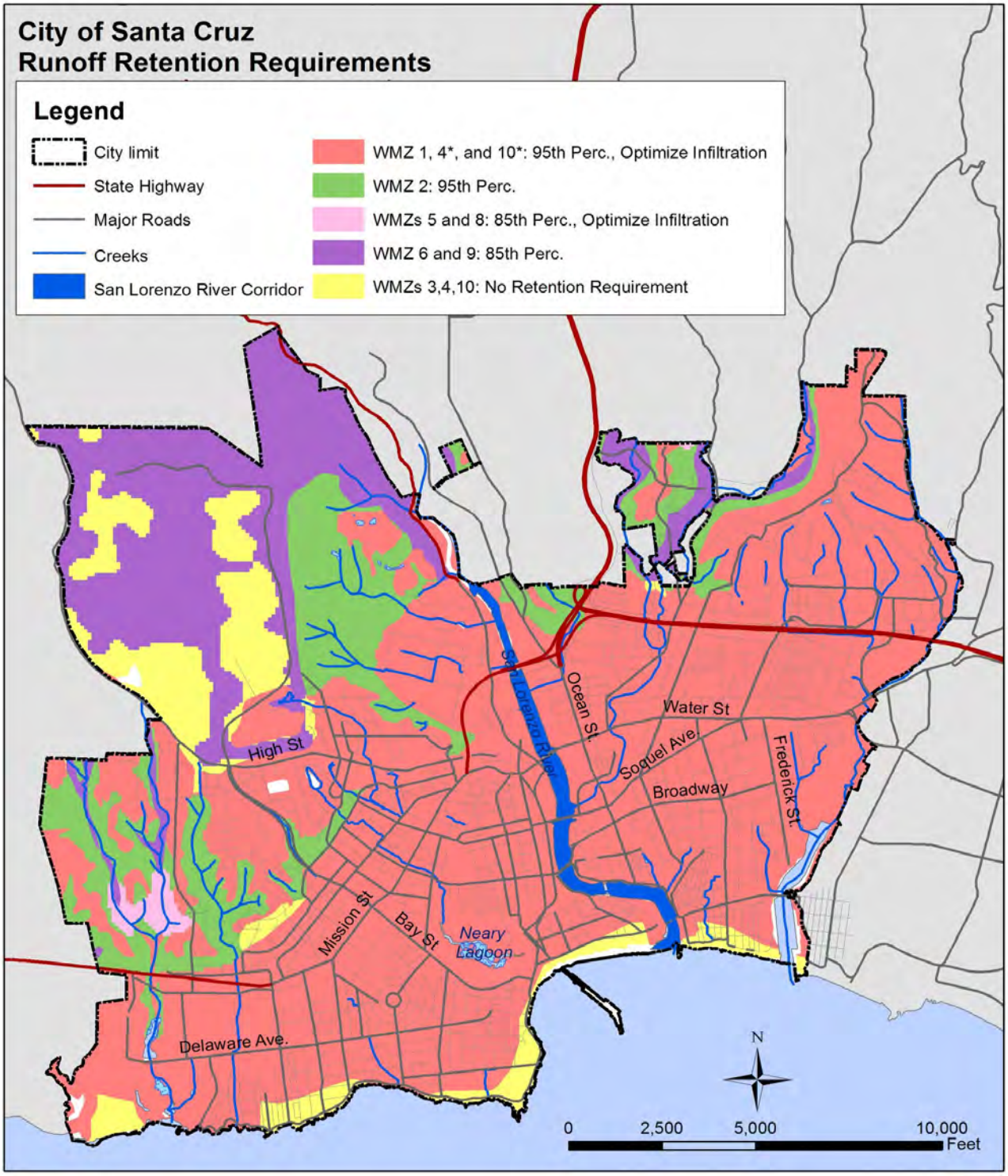
**D - Watershed Management Zones - For projects subject to Tiers 3 Post-Construction BMP requirements only.**

Watershed Management Zones are viewable online on the City of Santa Cruz GIS website at: http://gis.cityofsantacruz.com/gis/index.html

**Watershed Management Zones and associated Tier 3 (Runoff Retention) Post-Construction BMP requirements**

If Tier 3 BMP requirements are applicable to the project, check the watershed management zone area where the project is located.

- [X] WMZ 1, and portions of 4, and 10 overlying groundwater basin
- [ ] WMZ 2
- [ ] WMZ 5 and 8
- [ ] WMZ 6 and 9
- [ ] WMZ 3, 4 and 10



**E - Special Circumstances - For projects subject to Tiers 3 and 4 Post-Construction BMP requirements only.**
Check if special circumstance applies to the project

- [x] Highly Altered Channel and Intermediate Flow Control Facility
- [x] Urban Sustainability Area

**F - Additional Stormwater BMP Requirements for Multi-family, Commercial and Industrial projects**
Check if additional BMP requirements apply to the project

a) State Construction Activities Storm Water General Permit

- [ ] Construction activity resulting in land disturbance of one acre or more, or part of a larger common plan of development

b) Additional Source Control BMP requirements for specific facilities

- [ ] Commercial or industrial facility
- [ ] Material Storage Areas
- [ ] Vehicle fueling, maintenance and wash areas
- [ ] Equipment and accessory wash areas
- [ ] Interior and parking garage floor drains
- [ ] Parking areas
- [ ] Pools, spas and other water features
- [ ] Trash Storage Areas
- [ ] Restaurants and food processing or manufacturing facilities
- [ ] Miscellaneous drain or wash water

**G - Complete if your project is <u>only</u> subject to Tier 1 Requirements - Site planning and LID design measures.**
LID design measures shall be clearly marked on site plans

**Check applicable boxes and provide short description of measure and location**

- [ ] Conserve natural areas, riparian areas and wetlands

  Description: _____

- [ ] Concentrate improvements on the least-sensitive portions of the site and minimize grading

  Description: _____

- [ ] Direct roof runoff into cisterns or rain barrels

  Description: _____

- [ ] Direct roof downspouts to landscaped areas or rain gardens

  Description: _____

- [ ] Use pervious pavement (pervious concrete or asphalt, turf block, crushed aggregate, etc.)

  Description: _____

- [ ] Disperse runoff from paved areas to adjacent pervious areas

  Description: _____

| | |
|---|---|
| **From:** | Karen Kaplan |
| **To:** | Bonnie Bush; City Plan; Fred Keeley; City Council; Board Of Supervisors; justin.cummings@santacruzcounty.us |
| **Subject:** | CORRECTION: Thurs. Feb. 23, 7PM & Tues. Feb 28, SC Planning & City Council Mtgs. - Save Heritage Trees |
| **Date:** | Monday, February 06, 2023 5:35:10 PM |
| **Attachments:** | image.png<br>image.png |

---

Dear Planning Commissioners, Mayor Fred Keeley, Vice Mayor Renee Golder, Santa Cruz City Council Members: Sandy Brown, Sonja Brunner, Shebreh Kalantari-Johnson, Scott Newsome, Martine Watkins, Supervisor Justin Cummings, and Board of Supervisors:

RE: Thurs. Feb. 23, 7PM & Tues. Feb 28, SC Planning Commission & City Council Meetings - Save Heritage Trees

**Thursday, February 23, 7 PM**
**Santa Cruz Planning Commission Meeting - Save Heritage Trees**
**809 Center Street, Room 10**
**Santa Cruz, CA 95060**
**(831) 420-5020**

**and**

**Tuesday, February 28, (*Tentative Date & Time TBD.)**
**Santa Cruz City Council Meeting - Save Heritage Trees**
**City Council Chambers**
**809 Center Street**
**Santa Cruz, CA 95060**
**(831) 420-5020**

**Meetings are open to the public and are online.**
***Link to online meetings is HERE.**

***People are encouraged to attend both meetings and express concerns about the project.**

**Please save and design around heritage trees.**

**The Santa Cruz Planning Commission meeting and Santa Cruz City Council meeting are to consider whether or not to demolish the "Farmer's Market" plaza/parking lot #4 and chop down all of the large heritage trees, when developers do not have $100 million needed to complete the proposed new library and multi-story parking garage building project.**

## Historical Significance:

**The "Food Not Bombs" distribution site was under a large heritage tree in the Farmers Market parking lot for many years. It brings fond memories of the community sharing food, music and survival. It deserves a commemorative plaque of gratitude for feeding all who were hungry. All meals were healthy vegan, at no cost to the city. All food was donated and served by volunteers. No animals died to feed the homeless. Co-founder of the international organization is a Santa Cruz resident. The Food Not Bombs tree would be a tourist attraction for people to visit from all over the world. It signifies a community message of peace. Please don't chop it down!**

- Trees hold significant meaning and historical memories for many residents and tourists.
- Save the tall and beautiful Liquid Ambers and mature Magnolia Trees.
- Do not kill or remove any trees when developers do not have adequate funds to complete the building project and may never obtain them.
- Trees should not be destroyed before funding is secured to build the parking garage and library.
- Save our priceless, natural heritage trees that will take more than 75 years to be replaced!

*Thank you for your immediate and urgent consideration.*
*Karen Kaplan*
*Resident of Santa Cruz County Since 1974*

**From:** Pauline Seales
**To:** City Plan
**Subject:** Feb 23 Planning Commission Meeting
**Date:** Monday, February 06, 2023 5:21:19 PM

---

Dear Planning Commission

I am writing to express concerns about this planned meeting. which was posted in the Sentinel.

1. The timing! The mayor, Fred Keeley, has promised a complete project review at the city council 2/28/23. For the planning commission to conduct this meeting PRIOR to the council meeting would be counterproductive.

Therefore I request that your meeting be held in March.

2. The city council has resumed allowing the public into the council chamber with masks/proof of vaccination. The type of engagement you are allowing in this case strongly discourages public involvement.Therefore, whenever you reschedule this meeting, please open the council chamber to the public.

Thank you.

Pauline Seales

**From:** Timothy Maier
**To:** "Rick Longinotti"
**Subject:** RE: library
**Date:** Wednesday, January 11, 2023 9:44:16 AM

---

Hello Rick,

Although the CEQA analysis has not yet been finalized, it is anticipated that Categorical and, potentially, Statutory Exemption(s) will be invoked for the proposed project.

Documents supporting the CEQA analysis will be included with the staff report and made publicly accessible once finalized.

Best regards,
Tim

Timothy Maier, AICP
Senior Planner
City of Santa Cruz
(831)420-5129
cityofsantacruz.com

-----Original Message-----
From: Rick Longinotti <longinotti@baymoon.com>
Sent: Monday, January 9, 2023 7:17 PM
To: Timothy Maier <tmaier@cityofsantacruz.com>
Subject: Re: library

Hi Tim,
Thanks for responding. If I understand you correctly, no IS/negative declaration will be released and no EIR will be conducted. Is that accurate?
Is the plan to claim an exemption from doing environmental review?

Thanks,
Rick

> On Jan 9, 2023, at 6:45 PM, Timothy Maier <tmaier@cityofsantacruz.com> wrote:
>
> Hello Mr. Longinotti,
> Thanks for your message and for reaching out to me.
> The environmental analysis related to the project is underway and expected to be completed in the next several weeks.
> Documents prepared for the environmental analysis will be included with the staff report to be presented to the Planning Commission for recommendation to the City Council, along with members of the public, at a public hearing. The Planning Commission public hearing is expected to be held in mid- to- late February (a date has not yet been set). The Planning Commission's recommendation will be later considered by the City Council for final decision regarding project entitlements.
>
>
> Best regards,
> Tim
>
> Timothy Maier, AICP
> Senior Planner
> City of Santa Cruz

> (831)420-5129
> cityofsantacruz.com
>
>
> -----Original Message-----
> From: Rick Longinotti <longinotti@baymoon.com>
> Sent: Monday, January 9, 2023 3:13 PM
> To: Timothy Maier <tmaier@cityofsantacruz.com>
> Subject: library
>
> Hi Mr. Maier,
>
> Could you please tell me when the environmental review will be conducted for the Library-Garage-Mixed Use project? Will the public be notified of an opportunity for input?
>
> Thank you,
> Rick

| | |
|---|---|
| **From:** | Stacy Nagel |
| **To:** | City Plan |
| **Subject:** | Build the mixed use library |
| **Date:** | Thursday, February 09, 2023 12:27:27 PM |

---

Measure O was a resounding failure and the message from the electorate was clear - we want this project built. Affordable housing, increased parking, and a new state-of-the-art library. Please support this project and move it forward.

Thank you,
Stacy

--

**Stacy Nagel**
Strategy & Operations Program Manager
Business Platforms & Cloud Operations |Chief of Staff Office
http://go/usermanual/snagel

**From:** cityplan@cityofsantacruz.com
**To:** awebster@cityfosantacruz.com; Timothy Maier; Samantha Haschert
**Subject:** 119 Lincoln Street Question/Comment Received
**Date:** Tuesday, September 06, 2022 1:16:05 PM

---

A new entry to a form/survey has been submitted.

| | |
|---|---|
| **Form Name:** | 119 Lincoln Street - Significant Project |
| **Date & Time:** | 09/06/2022 1:15 PM |
| **Response #:** | 2 |
| **Submitter ID:** | 99937 |
| **IP address:** | 205.155.74.3 |
| **Time to complete:** | 2 min. , 13 sec. |

---

**Survey Details**

---

**Page 1**

**Thank you for your interest in the proposed project for 119 Lincoln Street. Please provide any project related question or comment in the fields provided. Your comment/question will be automatically directed to the City Planner assigned to this project. Please note that questions and/or comments entered here are public information and subject to release in accordance with the Public Records Act.**

**1. Select what applies:**

[×] I have a comment(s).

**2. If you have a question that needs a response, please enter your email address or phone number.**

| | |
|---|---|
| **Email:** | Not answered |
| **Phone:** | Not answered |

**3. Please select one of the following regarding the nature of your comment:**

(○) In Support

**4. Question/Comment:**

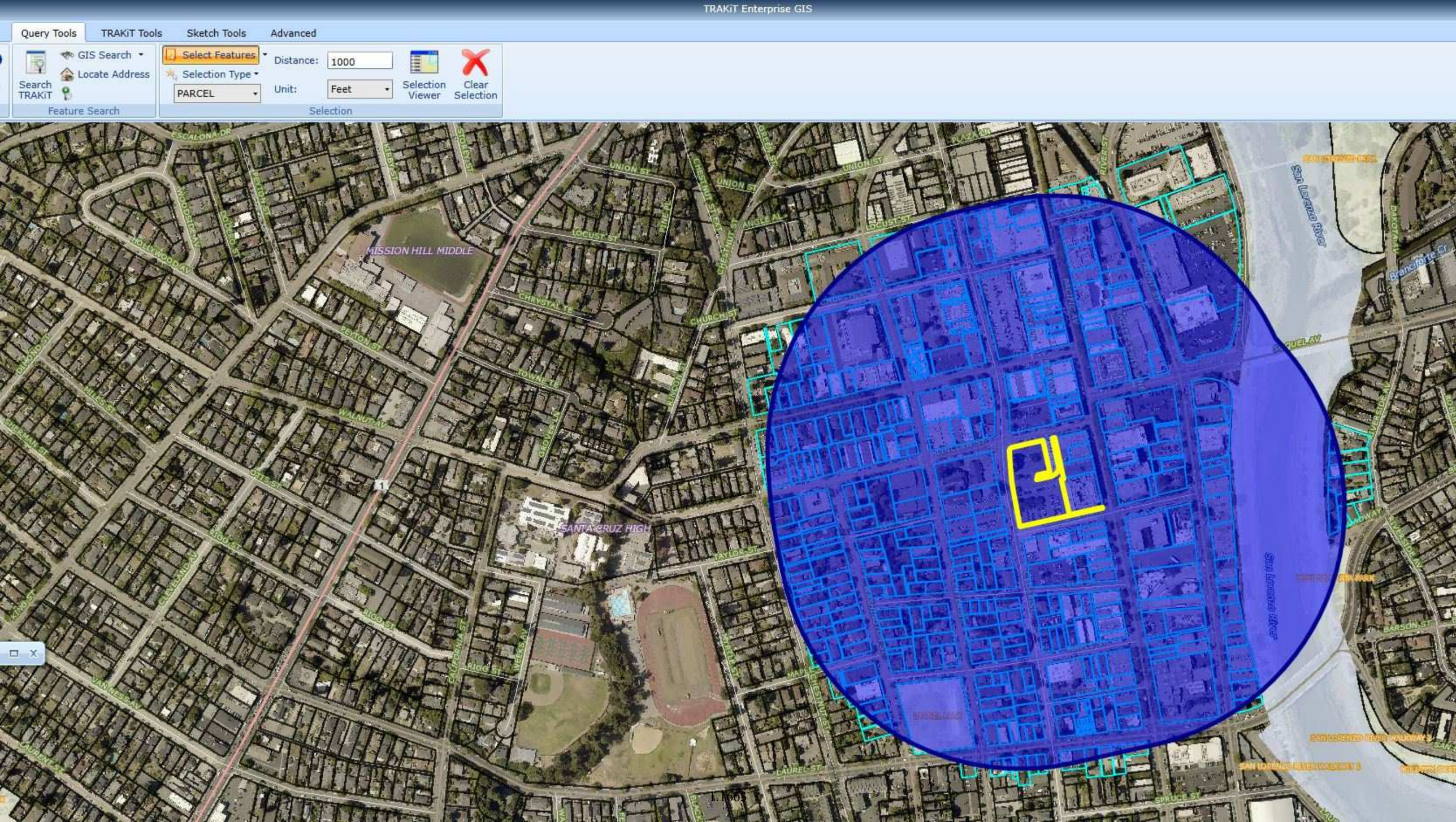
Please do not be obstructed by the campaign to derail this project. This project with a new library and housing is so far along, it would be wasteful to cancel it now for the sake of some trees and a parking lot. We need to move forward, by densifying and pedestrianizing downtown.

-Theo Kell
Santa Cruz resident

Thank you,
**City of Santa Cruz**

---

**This is an automated message generated by Granicus. Please do not reply directly to this email.**


TRAKiT Enterprise GIS
Query Tools
TRAKiT Tools
Sketch Tools
Advanced
GIS Search
Locate Address
Search TRAKiT
Feature Search
Select Features
Selection Type
PARCEL
Distance:
1000
Unit:
Feet
Selection Viewer
Clear Selection
Selection
MISSION HILL MIDDLE
SANTA CRUZ HIGH
UNION ST
LOCUST ST
CHRYSTAL TE
CHURCH ST
PEYTON ST
WALNUT AV
TOWNE TE
OTIS ST
RIGG ST
TAYLOR ST
LAUREL ST
SPRUCE ST
VAN NESS AV
CALIFORNIA ST
WEEKS AV
HOLLYWOOD AV
ESCALONA DR
San Lorenzo River
Branciforte Cr
BARSON ST
SAN LORENZO RIVER WALKWAY 2
SAN LORENZO RIVER WALKWAY 1