October 8, 2019

VOLUME 2: APPENDICES

975-1075 MAIN STREET INITIAL STUDY

for the City of Watsonville

PLACEWORKS

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APPENDIX A

AIR QUALITY AND GREENHOUSE GAS EMISSIONS DATA

Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

North Central Coast Air Basin

The project site lies in the North Central Coast Air Basin (NCCAB) which includes comprised of Monterey, Santa Cruz and San Benito counties. The basin lies along the central coast of California and covers an area of 5,159 square miles. The northwest sector of the basin is dominated by the Santa Cruz Mountains. The Diablo Range marks the northeastern boundary, and together with the southern extent of the Santa Cruz Mountains forms the Santa Clara Valley which extends into the northeastern tip of the Basin. Farther south, the Santa Clara Valley evolves into the San Benito Valley which runs northwest-southeast and has the Gabilan Range as its western boundary. To the west of the Gabilan Range is the Salinas Valley, which extends from Salinas at its northwestern end to King City at its southeastern end. The western side of the Salinas Valley is formed by the Sierra de Salinas, which also forms the eastern side of the smaller Carmel Valley. The coastal Santa Lucia Range defines the western side of the Carmel Valley.

The semi-permanent high pressure cell in the eastern Pacific is the basic controlling factor in the climate of the air basin. In the summer, the high pressure cell is dominant and causes persistent west and northwest winds over the entire California coast. Air descends in the Pacific High forming a stable temperature inversion of hot air over a cool coastal layer of air. The onshore air currents pass over cool ocean waters to bring fog and relatively cool air into the coastal valleys. The warmer air aloft acts as a lid to inhibit vertical air movement.

The generally northwest-southeast orientation of mountainous ridges tends to restrict and channel the summer onshore air currents. Surface heating in the interior portion of the Salinas and San Benito Valleys creates a weak low pressure which intensifies the onshore air flow during the afternoon and evening.

In the fall, the surface winds become weak, and the marine layer grows shallow, dissipating altogether on some days. The air flow is occasionally reversed in a weak offshore movement, and the relatively stationary air mass is held in place by the Pacific High pressure cell, which allows pollutants to build up over a period of a few days. It is most often during this season that the north or east winds develop to transport pollutants from either the San Francisco Bay area or the Central Valley into the NCCAB.

During the winter, the Pacific High migrates southward and has less influence on the air basin. Air frequently flows in a southeasterly direction out of the Salinas and San Benito Valleys, especially during night and morning hours. Northwest winds are nevertheless still dominant in winter, but easterly flow is more frequent. The general absence of deep, persistent inversions and the occasional storm systems usually result in good air quality for the basin as a whole in winter and early spring.

In Santa Cruz County, coastal mountains exert a strong influence on atmospheric circulation, which results in generally good air quality. Small inland valleys such as Scotts Valley with low mountains on two sides have poorer circulation than at Santa Cruz on the coastal plain. In addition, Scotts Valley is downwind of major pollutant generating centers, and these pollutants have time to form oxidants during transit to Scotts Valley. Consequently, air pollutants tend to build up more at Scotts Valley than at Santa Cruz.

Monterey Bay is a 25-mile wide inlet, which allows marine air at low levels to penetrate the interior. The Salinas Valley is a steep-sloped coastal valley which opens out on Monterey Bay and extends southeastward with mountain ranges of two to three thousand feet elevation on either side. The broad area of the valley floor near the mouth is 25 miles wide, narrowing to about six miles at Soledad, which is forty miles inland, and to three miles wide at King City, which is about sixty miles from the coast. At Salinas, near the northern end of the Valley, west and northwest winds occur about one-half the time during the entire year. Although the summer coastal stratus rarely extends beyond Soledad, the extended sea breeze, which consists of warmer and drier air currents, frequently reaches far down the Salinas Valley. In the southern end of the Valley, which extends into the South Central Coast Air Basin to Paso Robles, winds are generally weaker most of the year except during storm periods.

Hollister, at the northern end of the San Benito Valley, experiences west winds nearly one-third of the time. The prevailing air flow during the summer months probably originates in the Monterey Bay area and enters the northern end of the San Benito Valley through the air gap through the Gabilan Range occupied by the Pajaro River. In addition, a northwesterly air flow frequently transports pollutants into the San Benito Valley from the Santa Clara Valley.[1]

Air Quality Regulations

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project is subject to the rules and regulations imposed by the Monterey Bay Air Resources District (MBARD), formerly known as the Monterey Bay Unified Air Pollution Control District (MBUAPCD). However, MBARD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

[1] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

AMBIENT AIR QUALITY STANDARDS

The Clean Air Act was passed in 1963 by the United States Congress and has been amended several times. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The Clean Air Act allows states to adopt more stringent standards or to include other pollutants. The California Clean Air Act, signed into law in 1988, requires all areas of the state to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS.

The National and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect "sensitive receptors" most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants, which are shown in Table 1. These pollutants are ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles.

TABLE 1 AMBIENT AIR QUALITY STANDARDS FOR CRITERIA POLLUTANTS

Pollutant	Averaging Time	California Standard[a]	Federal Primary Standard[b]	Major Pollutant Sources
Ozone (O_3)[c]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	

TABLE 1 AMBIENT AIR QUALITY STANDARDS FOR CRITERIA POLLUTANTS

Pollutant	Averaging Time	California Standard[a]	Federal Primary Standard[b]	Major Pollutant Sources
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[d]	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m^3	
Lead (Pb)	30-Day Average	1.5 µg/m^3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m^3	
	Rolling 3-Month Average	*	0.15 µg/m^3	
Sulfates (SO_4)[e]	24 hours	25 µg/m^3	*	Industrial processes.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	No Federal Standard	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.
Hydrogen Sulfide	1 hour	0.03 ppm	No Federal Standard	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas, and can be emitted as the result of geothermal energy exploitation.
Vinyl Chloride	24 hour	0.01 ppm	No Federal Standard	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

TABLE 1 AMBIENT AIR QUALITY STANDARDS FOR CRITERIA POLLUTANTS

Pollutant	Averaging Time	California Standard[a]	Federal Primary Standard[b]	Major Pollutant Sources

Notes: ppm: parts per million; µg/m³; micrograms per cubic meter; *Standard has not been established for this pollutant/duration by this entity.
a. California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
b. National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.
c. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
d. On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
e. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
Source: California Air Resources Board, 2017, March, Short-Lived Climate Pollutant Reduction Strategy, https://www.arb.ca.gov/cc/shortlived/meetings/03142017/final_slcp_report.pdf, accessed December 5, 2018.

California has also adopted a host of other regulations that reduce criteria pollutant emissions, including:

- Assembly Bill (AB) 1493: Pavley Fuel Efficiency Standards
- Title 20 California Code of Regulations (CCR): Appliance Energy Efficiency Standards
- Title 24, Part 6, CCR: Building Energy Efficiency Standards
- Title 24, Part 11, CCR: Green Building Standards Code

CRITERIA AIR POLLUTANTS

Pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and State law under the federal Clean Air Act ("National") and California Clean Air Act, respectively. The pollutants emitted into the ambient air by stationary and mobile sources are categorized as primary and/or secondary pollutants. Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxides (NO_x), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb) are primary air pollutants. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that ambient air quality standards (AAQS) have been established for them. ROG and NO_x are criteria pollutant precursors that form secondary criteria air pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and nitrogen dioxide (NO_2) are the principal secondary pollutants. Each of the primary and secondary criteria air pollutants and its known health effects is described here.

- **Carbon Monoxide (CO)** Carbon monoxide is formed by the incomplete combustion of carbon-containing material. Because it is directly emitted from combustion engines, carbon monoxide can

have adverse localized impacts, primarily in areas of heavy traffic congestion. Because it is emitted directly and has limited dispersion characteristics, CO is considered a localized pollutant. When carbon monoxide combines with hemoglobin in the blood, the oxygen-carrying capacity of the blood is reduced and the release of oxygen is inhibited or slowed. This condition puts the following at risk: patients with angina, persons with other cardiovascular diseases, chronic obstructive lung disease, or asthma; persons with anemia, and fetuses. At higher levels, CO also affects the central nervous system. Symptoms of exposure may include headaches, dizziness, sleepiness, nausea, vomiting, confusion, and disorientation.[2]

- Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs) are compounds composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of ROGs. Other sources of ROGs include evaporative emissions from paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. Adverse effects on human health are not caused directly by ROGs, but rather by reactions of ROGs to form secondary pollutants such as O_3. There are no AAQS established for ROGs. However, because they contribute to the formation of O_3, MBARD has established a significance threshold for this pollutant.[3]

- Nitrogen Oxides (NO_x) are a by-product of fuel combustion and contribute to the formation of O_3, PM_{10}, and $PM_{2.5}$. The two major components of NO_x are nitric oxide (NO) and NO_2. The principal component of NO_x produced by combustion is NO, but NO reacts with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_X. NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure. NO_2 acts as an acute irritant and in equal concentrations is more injurious than NO. At atmospheric concentrations, however, NO_2 is only potentially irritating.[4]

- Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and from chemical processes at chemical plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2. When SO_2 forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_x). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. At lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue.[5]

[2] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.
[3] US Environmental Protection Agency (EPA). Criteria Air Pollutants. https://www.epa.gov/criteria-air-pollutants Accessed April 26, 2019.
[4] US Environmental Protection Agency (EPA). Criteria Air Pollutants. https://www.epa.gov/criteria-air-pollutants Accessed April 26, 2019.
[5] US Environmental Protection Agency (EPA). Criteria Air Pollutants. https://www.epa.gov/criteria-air-pollutants Accessed April 26, 2019.

- **Suspended Particulate Matter (PM_{10} and $PM_{2.5}$)** Inhalable particulates refer to particulate matter less than 10 microns in diameter (PM_{10}). Particulates are classified as primary or secondary, depending on their origin. Primary particles are unchanged after being directly emitted (e.g., road dust) and are the most commonly analyzed and modeled form of PM_{10}. Because it is emitted directly and has limited dispersion characteristics, this type of PM_{10} is considered a localized pollutant. In addition, secondary PM_{10} can be formed in the atmosphere through chemical reactions involving gases. In 1997, EPA adopted a fine particulate matter standard of 2.5 microns or less in diameter ($PM_{2.5}$). Recent studies undertaken by EPA identify key health effects categories associated with PM include: premature mortality; aggravation of respiratory and cardiovascular disease as indicated by increased hospital admissions, emergency room visits, school absences, work loss day, and restricted activity; changes in lung function and increased respiratory symptoms; changes to lung tissues and structure and; altered respiratory defense mechanisms. According to EPA, recent epidemiological information indicates that several subpopulations are apparently more sensitive to effects of air pollution containing PM. Observed effects include decreases in pulmonary function reported in children and increased mortality reported in the elderly and individual with cardiopulmonary disease.[6]

- **Ozone (O_3)** Ozone in the lower atmosphere is one of the main components of smog. It is not directly emitted but is formed in the atmosphere over several hours from combinations of various precursors in the presence of sunlight. NOx and VOCs are considered to be the primary compounds, or precursors, contributing to the formation of ozone. Ozone is viewed as both a secondary pollutant and a regional pollutants. Short-term exposure to ozone results in injury and damage to the lung, decreases in pulmonary function, and impairment of immune mechanisms. These changes have been implicated in the development of chronic lung disease as the result of long-term exposure. Symptoms of ozone irritation include shortness of breath, chest pain when inhaling deeply, wheezing, and coughing. Children and persons with pre-existing respiratory disease (e.g., asthma, chronic bronchitis, emphysema) are at greater risk. In addition, effects on vegetation have been documented at concentrations below the standards.[7]

- **Lead (Pb)** is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been mobile and industrial sources. As a result of the phasing out of leaded gasoline, metal processing is currently the primary source of lead emissions. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers. Because emissions of lead are found only in projects that are permitted by the MBARD, lead is not an air quality of concern for the proposed project.[8]

[6] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.
[7] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.
[8] US Environmental Protection Agency (EPA). Criteria Air Pollutants. https://www.epa.gov/criteria-air-pollutants Accessed April 26, 2019.

ODORS

Odors represent emissions of one or more pollutants that are a nuisance to healthy persons and may trigger asthma episodes in people with sensitive airways. Pollutants associated with objectionable odors include sulfur compounds and methane. Typical sources of odors include landfills, rendering plants, chemical plants, agricultural uses, wastewater treatment plants, and refineries. Odors are a complex problem that can be caused by minute quantities of substances. Because people have mixed reactions to odors, the nuisance level of an odor varies.

TOXIC AIR CONTAMINANTS

Public exposure to TACs is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to Section 112(b) of the federal Clean Air Act (42 US Code Section 7412[b]) is a TAC. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it is an air pollutant that may cause or contribute to an increase in mortality or serious illness, or may pose a present or potential hazard to human health.

At the time of the last update to the toxic air contaminants (TAC) list in December 1999, the California Air Resources Board (CARB) had designated 244 compounds as TACs.[9] Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control measures. The majority of the estimated health risks from TACs can be attributed to relatively few compounds; the most important compounds being particulate matter from diesel-fueled engines.

- AB 1807 and AB 2588. California regulates TACs primarily through AB 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets up a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions. To date, CARB has established formal control measures for 11 TACs that are identified as having no safe threshold.

- AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to

[9] California Air Resources Board, 1999, Final Staff Report: Update to the Toxic Air Contaminant List.

perform a HRA, and if specific thresholds are exceeded, are required to communicate the results to the public through notices and public meetings.

CARB has promulgated the following specific rules to limit TAC emissions:

- 13 CCR Chapter 10, Section 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling.
- 13 CCR Chapter 10, Section 2480, Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools.
- 13 CCR Section 2477 and Article 8, Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate.

Diesel Particulate Matter

In 1998, CARB identified DPM as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particles are 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lungs.

Air Quality Management Planning

MBARD shares responsibility with CARB for ensuring that State and national AAQS are achieved and maintained within the NCCAB. MBARD is the agency responsible for preparing the air quality management plans (AQMP) for the NCCAB in coordination with the Association of Monterey Bay Area Governments (AMBAG). The air district was created by the Monterey County Board of Supervisors in 1965. In 1968 Santa Cruz County joined Monterey County to form a unified district. In 1969 the state designated the counties of Monterey, San Benito, and Santa Cruz as the NCCAB. On July 1, 1974 the Monterey and Santa Cruz County Unified Air Pollution Control District merged with the San Benito County Air Pollution Control District to form the Monterey Bay Unified Air Pollution Control District, now known as MBARD.[10]

2012-2015 Air Quality Management Plan (State and Federal Ozone)

Ozone, the primary constituent of smog and the main pollutant of concern for the NCCAB, is formed in the atmosphere through complex chemical interactions involving reactive organic gases ROG and NOx in the presence of sunlight. As found in historical ozone transport studies, ozone concentrations at the Pinnacles National Park monitor are significantly impacted by Bay Area NOx emissions. In addition, the region is “NOx sensitive” or NOx limited, meaning that ozone formation due to local emissions is more limited by the availability of NOx as opposed to the availability of ROGs.

[10] Monterey Bay Air Resources District (MBARD). What is the Monterey Bay Area Resources District? http://mbard.org/district/ Accessed April 25, 2019

The CCAA (Health & Safety Code §40910 et seq.) requires preparation of an Air Quality Management Plan (AQMP), with subsequent updates every three years. There have been many changes both in terms of air quality and the regulatory setting since the initial AQMP in 1991. The 2012-2015 AQMP s is the seventh update to the AQMP . The 2012-2015 AQMP shows that the NCCAB continues to make progress toward meeting the State ozone standard.

MBARD has jurisdiction over stationary emission sources in the NCCAB which continue to be the smallest portion of both the ROG and NOx emissions in the Air Basin. Area-wide sources are the main contributor to ROG emissions in the region. Mobile sources emissions are the primary source of NOx emissions in the Air Basin. The recent changes that contributed to reducing estimated NOx and ROG emissions compared to the 2012 AQMP include lower vehicle miles traveled and cleaner exhaust standards for mobile sources.[11]

2005 Particulate Matter Plan (State)

Senate Bill 656 (2003) required that the CARB adopt a list of the most readily available, feasible and cost-effective control measures that could be implemented by the air pollution control districts to reduce ambient levels of particulate matter in the air basin. The 2005 Particulate Matter Plan is the MBARD's implementation plan for reducing particulate matter in Monterey, Santa Cruz, and San Benito Counties. Measures included in the plane include:

- Agricultural Best Management Practices (BMPs) to reduce fugitive dust from agricultural tilling and unpaved roads.
- Incentive programs and demonstration projects to control fugitive dust for various conditions of the NCCAB.
- Mineral processing BMPs and contingency measure for cement manufacturing if mineral processing BMPs do not achieve desired results.
- Air Toxics Control Measures (ATCM) for naturally occurring asbestos
- ATCMs for agricultural pumps as a control measure. [12]

MBARD RULES

The following MBARD rules limit emissions of air pollutants from construction and operation from development projects:

[11] Monterey Bay Air Resources District (MBARD). 2017. March 15. 2012-2015 Air Quality Management Plan.
[12] Monterey Bay Air Resources District (MBARD). 2005, December. 2005 Report on Attainment of the California Particulate Matter Standards in the Monterey Bay Region, State Bill 656 Implementation Plan.

- Rule 400 – Visible Emissions. Discharge of visible air pollutant emissions into the atmosphere from any emission source for a period or periods aggregating more than three minutes in any one hour, as observed using an appropriate test method, is prohibited.

- Rule 402 – Nuisances. No person shall discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or which endanger the comfort, repose, health, or safety of any such persons or the public; or which cause, or have a natural tendency to cause, injury or damage to business or property.

- Rule 426 – Architectural Coatings. This rule limits the emissions of ROGs from the use of architectural coatings

AREA DESIGNATIONS

The AQMP provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards through the State Implementation Plan (SIP). Areas are classified as attainment or nonattainment areas for particular pollutants, depending on whether they meet ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- Unclassified: a pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.

- Attainment: a pollutant is in attainment if the CAAQS for that pollutant was not violated at any site in the area during a three-year period.

- Nonattainment: a pollutant is in nonattainment if there was at least one violation of a state AAQS for that pollutant in the area.

- Nonattainment/Transitional: a subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the NCCAB is shown in Table 2, *Attainment Status of Criteria Pollutants in the North Central Coast Air Basin*.

Table 2 Attainment Status of Criteria Pollutants in the North Central Coast Air Basin

Pollutant	State	Federal
Ozone	**Nonattainment**[a]	Attainment/Unclassified[b]
PM_{10}	**Nonattainment**	Attainment
$PM_{2.5}$	Attainment	Attainment/Unclassified
CO	Attainment/Unclassified	Attainment/Unclassified
NO_2	Attainment	Attainment/Unclassified[c]
SO_2	Attainment	Attainment[d]
Lead	Attainment	Attainment/Unclassified[e]

Notes.

[a] Effective July 26, 2007, CARB designated the NCCAB a nonattainment area for the State ozone standard, which was revised in 2006 to include an 8-hour standard of 0.070 ppm.

[b] On March 12, 2008, EPA adopted a new 8-hour ozone standard of 0.075 ppm. In April 2012, EPA designated the NCCAB attainment/unclassified based on 2009-2011 data

[c] In 2012, EPA designated the entire state as attainment/unclassified for the 2010 NO2 standard.

[d] In June 2011, the ARB recommended to EPA that the entire state be designated as attainment for the 2010 primary SO_2 standard. Final designations to be addressed in future EPA actions.

[e] On October 15, 2008 EPA substantially strengthened the national ambient air quality standard for lead by lowering the level of the primary standard from 1.5 µg/m³ to 0.15 µg/m³ . Final designations were made by EPA in November 2011

Source: California Air Resources Board (CARB), 2018, December 28. Area Designations Maps/State and National. https://www.arb.ca.gov/desig/adm/adm.htm and Monterey Bay Air Resources District (MBARD). NCCAB Area Designations and Attainment Status. http://mbard.org/wp-content/uploads/2015/01/attainment-status-january-2015.pdf

Existing Ambient Air Quality

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the MBARD. The air quality monitoring station closest to the project site is the Santa Cruz – 2544 Soquel Avenue Monitoring Station. This station monitors O_3 and $PM_{2.5}$. Data for $PM_{2.5}$ is supplemented by the Hollister-Fairview Road Monitoring Station for PM_{10}. The most current five years of data monitored at these monitoring stations are included in Table 3, *Ambient Air Quality Monitoring Summary*. The data show recurring violations of both the state and federal O_3 standards.

Table 3 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
	2013	2014	2015	2016	2017
Ozone (O_3)					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	0	0	0	0	0
Federal 8-hour ≥ 0.070 ppm (days exceed threshold)	0	0	0	0	1
Federal 8-Hour > 0.075 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.069	0.076	0.076	0.064	0.082
Max. 8-Hour Conc. (ppm)	0.055	0.068	0.060	0.057	0.075
Coarse Particulates (PM_{10})					
State 24-Hour > 50 µg/m^3 (days exceed threshold)	*	*	*	*	*
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0	0	0
Max. 24-Hour Conc. (µg/m^3)	98.4	48.4	65.8	44.3	80.9
Fine Particulates ($PM_{2.5}$)					
Federal 24-Hour > 35 µg/m^3 (days exceed threshold)	0	0	0	0	2
Max. 24-Hour Conc. (µg/m^3)	19.0	15.7	20.5	12.7	47.3

Notes:
ppm: parts per million; parts per billion, µg/m^3: micrograms per cubic meter
* Data not available.
Source: California Air Resources Board (CARB). iADAM: Air Quality Statistics. Top 4 Summary. https:// www.arb.ca.gov/adam/topfour/topfour1.php Accessed April 26, 2019. Data for ozone and $PM_{2.5}$ obtained from the Santa Cruz Monitoring Station. Data for PM_{10} obtained from the Hollister Monitoring Station

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardio-respiratory diseases.

For CEQA purposes, a sensitive receptor is generically defined as any residence including private homes, condominiums, apartments, and living quarters; education resources such as preschools and kindergarten through grade twelve (k-12) schools; daycare centers; and health care 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.[13] Residential areas are considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of

[13] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public.

Methodology

Projected construction-related air pollutant emissions are calculated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. CalEEMod compiles an emissions inventory of construction (fugitive dust, off-gas emissions, on-road emissions, and off-road emissions), area sources, indirect emissions from energy use, mobile sources, indirect emissions from waste disposal (annual only), and indirect emissions from water/wastewater (annual only) use. The calculated emissions of the project are compared to thresholds of significance for individual projects using the MBARD's CEQA Air Quality Guidelines.[14]

MBARD's Thresholds of Significance

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in MBARD's *CEQA Air Quality Guidelines (2008)*, which were adopted by MBARD to assist lead agencies in preparing air quality analyses for development projects; and MBARD's *Guidelines for Implementing the California Environmental Quality Act (2016)*, which is MBARD's internal guidance when they are a CEQA lead agency. CEQA allows the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. MBARD has established thresholds of significance for regional air quality emissions for construction activities and project operation. They also include recommended assessment methodologies for air toxics and odors.

CRITERIA AIR POLLUTANTS – CONSTRUCTION

Particulate Matter

MBARD has adopted construction emissions thresholds and screening criteria for PM_{10} to determine a project's cumulative and project-level impact on air quality in the NCCAB. The emission thresholds are based on the offset requirements in Air District Rule 207 Review of New or Modified Sources. Construction activities (e.g., excavation, grading, on-site vehicles) that directly generate 82 pounds per day or more of PM_{10} would have a significant impact on local air quality when they are located nearby and upwind of sensitive receptors. Table 4, *MBARD Construction Screening Criteria*, lists MBARD's screening criteria for construction PM_{10} that are presumed to generate 82 pounds per day (lbs/day) or less of PM_{10}. Projects with activity levels higher than listed in Table 4 may have a significant impact on air quality and modeling of regional (mass emissions) is required.

[14] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

Table 4 MBARD Construction Screening Criteria

Activity	Construction Screening Criteria
Construction site with minimal earthmoving	8.1 acres per day
Construction site with earthmoving (grading, excavation)	2.2 acres per day

Source: Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

If modeling of a project's regional (mass emissions) exceed 82 lbs/day with mitigation MBARD requires localized dispersion modeling to ensure that construction activities would not result in emissions that exceed the State PM_{10} AAQS (50 $\mu g/m^3$) at existing receptors as averaged over 24 hours.

Ozone Precursors (VOC and NOx)

BARD has determined that construction projects using typical construction equipment such as dump trucks, scrappers, bulldozers, compactors and front-end loaders that temporarily emit precursors of ozone (VOC and NOx) are accommodated in the emission inventories of State- and federally-required air plans and would not have a significant impact on the attainment and maintenance of ozone AAQS.

CRITERIA AIR POLLUTANTS – OPERATION

Regional Emissions (Direct + Indirect)

MBARD has adopted operational mass emissions thresholds to determine a project's cumulative and regional impact on air quality in the NCCAB. Table 5, *MBARD Significance Thresholds*, lists MBARD's thresholds of significance for criteria air pollutant emissions. MBARD's CEQA Guidelines Air Quality Guidelines also includes screening level sizes for projects that do not generate cumulative ROG or NOx emissions that exceed 137 lbs/day. If modeling of a project's regional (mass emissions) exceed the threshold in Table 5 with mitigation MBARD requires localized dispersion modeling to ensure that operational activities would not result in emissions that exceed the AAQS at existing receptors.

Table 5 MBARD Significance Thresholds

Air Pollutant	Operational Phase
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)[a]	137 (direct + Indirect)
Nitrogen Oxides (NO_X) – as Nitrogen Dioxide (NO_2)[a]	137 (direct + Indirect)
Carbon Monoxide (CO)	550 (Direct)
Sulfur Oxides (SO_X)	150 (Direct)
Particulates (PM_{10})[b]	82 (Onsite)
Particulates ($PM_{2.5}$)	55 (Onsite)[c]

Notes: The emission thresholds are based on the offset requirements in Air District Rule 207 Review of New or Modified Sources.

[a] Projects which would emit 137 lbs/day or more of direct and indirect emissions would have a significant impact on regional air quality by emitting substantial amounts of ozone precursors.

[b] The District's 82 lbs/day operational phase threshold of significance applies only to onsite emissions and project-related exceedances along unpaved roads. These impacts are generally less than significant. On large development projects, almost all travel is on paved roads (0%) unpaved), and entrained road dust from vehicular travel can exceed the significance threshold. Please contact the Air District to discuss estimating emissions from vehicular travel on paved roads. District-approved dispersion modeling can be used to refute (or validate) a determination of significance if modeling shows that emissions would not cause or substantially contribute to an exceedance of State and national AAQS.

[c] The threshold for $PM_{2.5}$ is based on the District's Guidelines for Implementing the California Environmental Quality Act (2016), which is the District's guidance for projects when MBARB is the lead agency.

Source: Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

CO Hotspots

Areas of vehicle congestion have the potential to create pockets of CO called hot spots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations. Hot spots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the NCCAB and in the state have steadily declined.

MBARD has identified that a project could generate a CO Hotspot if the project causes:

- the level of service (LOS) at intersection/road segment to degrades from D or better to E or F;
- the volume to capacity (V/C) ratio at intersection/road segment at LOS E or F to increase by 0.05 or more;
- the delay at intersections at LOS E or F to increase by 10 seconds or more;
- the reserve capacity at unsignalized intersections at LOS E or F decreases by 50 or more.[15]

Additionally, projects that generate substantial heavy duty truck traffic, generate substantial traffic along urban street canyons, or substantial traffic near a major stationary source of CO may warrant CO hotspot modeling.

[15] Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines.

TOXIC AIR CONTAMINANTS

Whenever a project would require use of chemical compounds that have been identified by MBARD under Rule 1000 or Rule 1003, placed on CARB's air toxics list pursuant to AB 1807, or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the MBARD. Table 6, *Toxic Air Contaminants Incremental Risk Thresholds*, lists the TAC incremental risk thresholds for operation of a project. The purpose of this environmental evaluation is to identify the significant effects of the proposed project on the environment, not the significant effects of the environment on the proposed project. (*California Building Industry Association v. Bay Area Air Quality Management District (2015) 62 Cal.4th 369 (Case No. S213478)*). CEQA does not require an analysis of the environmental effects of attracting development and people to an area. However, the environmental document must analyze the impacts of environmental hazards on future users, when a proposed project exacerbates an existing environmental hazard or condition. Residential, commercial, and office uses do not use substantial quantities of TACs and typically do not exacerbate existing hazards, so these thresholds are typically applied to new industrial projects.

Table 6 MBARD Toxic Air Contaminants Incremental Risk Thresholds

Maximum Incremental Cancer Risk	≥ 10 in 1 million
Hazard Index for acute or chronic impacts	1

Monterey Bay Air Resources District (MBARD). 2008, February. CEQA Air Quality Guidelines and Monterey Bay Air Resources Board (MBARD), 2016, Guidelines for Implementing the California Environmental Quality Act.

GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHGs, to the atmosphere. The primary source of these GHGs is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water vapor, carbon dioxide (CO_2), methane (CH_4), and ozone (O_3)—that are likely cause of an increase in global average temperatures observed in the 20th and 21st centuries. Other GHGs identified by the IPCC that contribute to global warming to a lesser extent are nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons.[16,17,18]

[16] Intergovernmental Panel on Climate Change, 2001. Third Assessment Report: Climate Change 2001, New York: Cambridge University Press.
[17] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant because it is considered part of the feedback loop of changing radiative forcing rather than a primary cause of change.
[18] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing PM from diesel engines and burning activities (California Air Resources Board, 2017, March 14. Short-Lived Climate Pollutant Reduction Strategy, https://www.arb.ca.gov/cc/shortlived/shortlived.htm). However, State

The major GHGs are briefly described as follows:

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g., manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.

- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in municipal landfills and water treatment facilities.

- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during combustion of fossil fuels and solid waste.

GHGs are dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. Some GHGs have a stronger greenhouse effect than others. These are referred to as high GWP gases. The GWP of applicable GHG emissions are shown in Table 7. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. For example, under IPCC's Fourth Assessment Report (AR4) GWP values for methane (CH_4), a project that generates 10 metric tons (MT) of CH_4 would be equivalent to 250 MT of CO_2.[19]

TABLE 7 GHG EMISSIONS AND THEIR RELATIVE GLOBAL WARMING POTENTIAL COMPARED TO CO_2

GHGs	Second Assessment Report (SAR) Global Warming Potential Relative to CO_2[a]	Fourth Assessment Report (AR4) Global Warming Potential Relative to CO_2[a]	Fifth Assessment Report (AR5) Global Warming Potential Relative to CO_2[a]
Carbon Dioxide (CO_2)	1	1	1
Methane[b] (CH_4)	21	25	28
Nitrous Oxide (N_2O)	310	298	265

Notes: GWP values identified in AR4 are used by BAAQMD to maintain consistency in statewide GHG emissions modeling.
a. Based on 100-year time horizon of the GWP of the air pollutant compared to CO_2.
b. The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO_2 is not included.
Sources: Intergovernmental Panel on Climate Change, 1995, Second Assessment Report: Climate Change 1995; Intergovernmental Panel on Climate Change. 2007. Fourth Assessment Report: Climate Change 2007. New York: Cambridge University Press; Intergovernmental Panel on Climate Change. 2014. Fifth Assessment Report: Climate Change 2014. New York: Cambridge University Press.

and national GHG inventories do not include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

[19] CO_2-equivalence is used to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. The global warming potential of a GHG is also dependent on the lifetime, or persistence, of the gas molecule in the atmosphere.

California's Greenhouse Gas Sources and Relative Contribution

In 2018, the statewide GHG emissions inventory was updated for 2000 to 2016 emissions using the GWPs in IPCC's AR4.[20] Based on these GWPs, California produced 429.4 $MMTCO_2e$ GHG emissions in 2016. California's transportation sector was the single largest generator of GHG emissions, producing 40.5 percent of the state's total emissions. Industrial sector emissions made up 23.4 percent, and electric power generation made up 16.1 percent. Other major sectors of GHG emissions include commercial and residential (12.0 percent), agriculture and forestry (7.9 percent) and others (solvents and chemicals) at 0.2 percent.[21]

California's GHG emissions have followed a declining trend since 2007. In 2016, emissions from routine GHG emitting activities statewide were 429 $MMTCO_2e$, 12 $MMTCO_2e$ lower than 2015 levels. This represents an overall decrease of 13 percent since peak levels in 2004 and 2 $MMTCO_2e$ below the 1990 level and the state's 2020 GHG target. During the 2000 to 2016 period, per capita GHG emissions in California have continued to drop from a peak in 2001 of 14.0 $MTCO_2e$ per capita to 10.8 $MTCO_2e$ per capita in 2016, a 23 percent decrease. Overall trends in the inventory also demonstrate that the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross domestic product) is declining, representing a 38 percent decline since the 2001 peak, while the state's gross domestic product has grown 41 percent during this period.[22]

Regulatory Settings

FEDERAL REGULATIONS

The United States Environmental Protection Agency (USEPA) announced on December 7, 2009 that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The USEPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings did not themselves impose any emission reduction requirements, but allowed the EPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation.[23]

[20] Methodology for determining the statewide GHG inventory is not the same as the methodology used to determine statewide GHG emissions under Assembly Bill 32 (2006).
[21] California Air Resources Board. 2018, July 11. 2018 Edition California Greenhouse Gas Inventory for 2000-2016: By Category as Defined in the 2008 Scoping Plan, https://www.arb.ca.gov/cc/inventory/data/data.htm, accessed on May 8, 2018.
[22] California Air Resources Board, 2018, July 11. California Greenhouse Emissions for 2000 to 2016 – Trends of Emissions and Other Indicators. https://www.arb.ca.gov/cc/inventory/data/data.htm, accessed on October 24, 2018.
[23] US Environmental Protection Agency, 2009, EPA: Greenhouse Gases Threaten Public Health and the Environment, https://yosemite.epa.gov/opa/admpress.nsf/0/08d11a451131bca585257685005bf252, accessed on May 10, 2018.

To regulate GHGs from passenger vehicles, the EPA was required to issue an endangerment finding.[24] The finding identifies emissions of six key GHGs—CO_2, CH_4, N_2O, HCFCs, PFCs, and SF_6— that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the proposed project's GHG emissions inventory because they constitute the majority of GHG emissions and, per BAAQMD guidance, they are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

- US Mandatory Report Rule for Greenhouse Gases (2009). In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 $MTCO_2e$ per year are required to submit an annual report.

- Update to Corporate Average Fuel Economy Standards (2010 to 2012). The current Corporate Average Fuel Economy (CAFE) standards (for models 2011 to 2016) incorporate stricter fuel economy requirements into one uniform standard. Additionally, automakers are required to cut GHG emissions in new vehicles by roughly 25 percent by 2016 (resulting in a fleet average of 35.5 miles per gallon by 2016). Rulemaking to adopt these new standards was completed in 2010. The federal government issued new standards in 2012 for model years 2017 to 2025, which will require a fleet average of 54.5 miles per gallon in 2025. The EPA is reexamining the 2017 to 2025 emissions standards.

STATE REGULATIONS

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in Executive Order S-03-05, AB 32, SB 32, Executive Order B-30-15, and SB 375. These are summarized as follows:

- Executive Order S-03-05. Executive Order S-03-05, signed June 1, 2005, set the following GHG reduction targets for the state:
  - 2000 levels by 2010.
  - 1990 levels by 2020.
  - 80 percent below 1990 levels by 2050.

- Assembly Bill 32. Also known as the Global Warming Solutions Act (2006), AB 32 was signed August 31, 2006, in order to reduce California's contribution of GHG emissions. AB 32 follows the 2020 tier of emissions reduction targets established in Executive Order S-03-05. Under AB 32, California Air Resources Board (CARB) prepared the *2008 Climate Change Scoping Plan*, the *2014 Climate Change Scoping Plan,* and the *2017 Climate Change Scoping Plan,* which is discussed below.

[24] US Environmental Protection Agency, 2009, EPA: Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act. https://www.epa.gov/ghgemissions/endangerment-and-cause-or-contribute-findings-greenhouse-gases-under-section-202a-clean, accessed on May 8, 2018.

- CARB 2008 Scoping Plan. The 2008 Scoping Plan, adopted by CARB on December 11, 2008, identified that GHG emissions in California are anticipated to be 596 $MMTCO_2e$ in 2020. In December 2007, CARB approved a 2020 emissions limit of 427 $MMTCO_2e$ (471 million tons) for the state. To effectively implement the emissions cap, AB 32 directed CARB to establish a mandatory reporting system to track and monitor GHG emissions levels for large stationary sources that generate more than 25,000 $MTCO_2e$ per year, prepare a plan demonstrating how the 2020 deadline can be met, and develop appropriate regulations and programs to implement the plan by 2012.

- First Update to the Scoping Plan. CARB completed a five-year update to the 2008 Scoping Plan, as required by AB 32. The First Update to the Scoping Plan, adopted May 22, 2014, highlights California's progress toward meeting the near-term 2020 GHG emission reduction goal defined in the 2008 Scoping Plan. As part of the update, CARB recalculated the 1990 GHG emission levels with the updated AR4 GWPs, and the 427 $MMTCO_2e$ 1990 emissions level and 2020 GHG emissions limit, established in response to AB 32, are slightly higher at 431 $MMTCO_2e$.[25] As identified in the Update to the Scoping Plan, California is on track to meet the goals of AB 32. The update also addresses the state's longer-term GHG goals in a post-2020 element. The post-2020 element provides a high-level view of a long-term strategy for meeting the 2050 GHG goals, including a recommendation for the State to adopt a midterm target. According to the Update to the Scoping Plan, local government reduction targets should chart a reduction trajectory that is consistent with or exceeds the trajectory created by statewide goals.[26] CARB identified that reducing emissions to 80 percent below 1990 levels will require a fundamental shift to efficient, clean energy in every sector of the economy. Progressing toward California's 2050 climate targets will require significant acceleration of GHG reduction rates. Emissions from 2020 to 2050 will have to decline several times faster than the rate needed to reach the 2020 emissions limit.[27]

- Executive Order B-30-15. Executive Order B-30-15, signed April 29, 2015, sets a goal of reducing GHG emissions within the state to 40 percent of 1990 levels by year 2030. Executive Order B-30-15 also directs CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and requires state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in Executive Order S-03-05. It also requires the Natural Resources Agency to conduct triennial updates of the California adaption strategy, Safeguarding California, in order to ensure climate change is accounted for in state planning and investment decisions.

[25] California Air Resources Board, 2014, May 15. First Update to the Climate Change Scoping Plan: Building on the Framework, Pursuant to AB 32, The California Global Warming Solutions Act of 2006.
[26] California Air Resources Board, 2014, May 15. First Update to the Climate Change Scoping Plan: Building on the Framework, Pursuant to AB 32, The California Global Warming Solutions Act of 2006.
[27] California Air Resources Board, 2014, May 15. First Update to the Climate Change Scoping Plan: Building on the Framework, Pursuant to AB 32, The California Global Warming Solutions Act of 2006.

- **Senate Bill 32 and Assembly Bill 197.** In September 2016, SB 32 and AB 197 were signed into law, making the Executive Order goal for year 2030 into a statewide mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires the CARB to prioritize direct emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

- 2017 Climate Change Scoping Plan Update. Executive Order B-30-15 and SB 32 required CARB to prepare another update to the Scoping Plan to address the 2030 target for the state. On December 14, 2017, CARB adopted the 2017 Climate Change Scoping Plan Update (2017 Scoping Plan) to address the 2030 target for the State. The 2017 Scoping Plan establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40 percent decrease in 1990 levels by 2030.[28]

  California's climate strategy will require contributions from all sectors of the economy, including enhanced focus on zero- and near-zero emission (ZE/NZE) vehicle technologies; continued investment in renewables, such as solar roofs, wind, and other types of distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (i.e., methane, black carbon, and fluorinated gases); and an increased focus on integrated land use planning to support livable, transit-connected communities and conserve agricultural and other lands. Requirements for GHG reductions at stationary sources complement local air pollution control efforts by the local air districts to tighten criteria air pollutants and toxic air contaminants (TACs) emissions limits on a broad spectrum of industrial sources. Major elements of the 2017 Scoping Plan framework include:

  - Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing ZE vehicle buses and trucks.
  - Low Carbon Fuel Standard (LCFS), with an increased stringency (18 percent by 2030).
  - Implementation of SB 350, which expands the Renewables Portfolios Standard (RPS) to 50 percent RPS and doubles energy efficiency savings by 2030.
  - California Sustainable Freight Action Plan, which improves freight system efficiency, and utilizes near-zero emissions technology, and deployment of ZE vehicle trucks.
  - Implementing the proposed Short-Lived Climate Pollutant Strategy, which focuses on reducing methane and hydrofluorocarbon emissions by 40 percent and anthropogenic black carbon emissions by 50 percent by year 2030.
  - Continued implementation of SB 375.
  - Post-2020 Cap-and-Trade Program that includes declining caps.

[28] California Air Resources Board, 2017, California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target, https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed on May 10, 2018.

- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

In addition to the statewide strategies listed above, the 2017 Climate Change Scoping Plan also identified local governments as essential partners in achieving the State's long-term GHG reduction goals and recommended local actions to reduce GHG emissions; for example, statewide targets of no more than 6 $MTCO_2e$ or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. CARB recommends that local governments evaluate and adopt robust and quantitative locally-appropriate goals that align with the statewide per capita targets and the State's sustainable development objectives and develop plans to achieve the local goals. The statewide per capita goals were developed by applying the percent reductions necessary to reach the 2030 and 2050 climate goals (i.e., 40 percent and 80 percent, respectively) to the State's 1990 emissions limit established under AB 32. For CEQA projects, CARB states that lead agencies have the discretion to develop evidenced-based numeric thresholds (mass emissions, per capita, or per service population)—consistent with the Scoping Plan and the State's long-term GHG goals. To the degree a project relies on GHG mitigation measures, CARB recommends that lead agencies prioritize on-site design features that reduce emissions, especially from vehicle miles traveled (VMT), and direct investments in GHG reductions within the project's region that contribute potential air quality, health, and economic co-benefits. Where further project design or regional investments are infeasible or not proven to be effective, CARB recommends mitigating potential GHG impacts through purchasing and retiring carbon credits.

The Scoping Plan scenario is set against what is called the business-as-usual (BAU) yardstick—that is, what would the GHG emissions look like if the State did nothing at all beyond the policies that are already required and in place to achieve the 2020 limit, as shown in Table 8. It includes the existing renewables requirements, advanced clean cars, the "10 percent" LCFS, and the SB 375 program for more vibrant communities, among others. However, it does not include a range of new policies or measures that have been developed or put into statute over the past two years. Also shown in the table, the known commitments are expected to result in emissions that are 60 $MMTCO_2e$ above the target in 2030. If the estimated GHG reductions from the known commitments are not realized due to delays in implementation or technology deployment, the post-2020 Cap-and-Trade Program would deliver the additional GHG reductions in the sectors it covers to ensure the 2030 target is achieved.

TABLE8 2017 CLIMATE CHANGE SCOPING PLAN EMISSIONS REDUCTIONS GAP TO ACHIEVE THE 2030 GHG TARGET

Modeling Scenario	2030 GHG Emissions $MMTCO_2e$
Reference Scenario (Business-as-Usual)	389
With Known Commitments	320
2030 GHG Target	**260**
Gap to 2030 Target with Known Commitments	**60**

Source: California Air Resources Board, 2017. California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target, https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed on August 28, 2018.

Table 9 provides GHG emissions by sector, for 1990, and the range of GHG emissions for each sector estimated for 2030, and the percent change compared to 1990 levels.

TABLE 9 2017 CLIMATE CHANGE SCOPING PLAN EMISSIONS BY SECTOR TO ACHIEVE THE 2030 GHG TARGET

Scoping Plan Sector	1990 $MMTCO_2e$	2030 Proposed Plan Ranges $MMTCO_2e$	% Change from 1990
Agricultural	26	24-25	-8% to -4%
Residential and Commercial	44	38-40	-14% to -9%
Electric Power	108	30-53	-72% to -51%
High GWP	3	8-11	267% to 367%
Industrial	98	83-90	-15% to -8%
Recycling and Waste	7	8-9	14% to 29%
Transportation (including TCU)	152	103-111	-32% to -27%
Net Sink[a]	-7	TBD	TBD
Sub Total	431	294-339	-32% to -21%
Cap-and-Trade Program	NA	24-79	NA
Total	431	260	-40%

Notes: TCU = Transportation, Communications, and Utilities; TBD = To Be Determined.
a. Work is underway through 2017 to estimate the range of potential sequestration benefits from the natural and working lands sector.
Source: California Air Resources Board. 2017, California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed on August 28, 2018.

- **Senate Bill 375.** In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for

the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPOs). The Association of Bay Area Governments (AMBAG) is the MPO for the Santa Cruz, San Benito, and Monterey counties. Pursuant to the recommendations of the Regional Transportation Advisory Committee (RTAC), CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target.

- 2017 Update to the SB 375 Targets. CARB is required to update the targets for the MPOs every eight years. CARB adopted revised SB 375 targets for the MPOs in March 2018.[29] The updated targets become effective on October 1, 2018. The targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update (for SB 32), while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of percent per capita reduction in GHG emissions from automobiles and light trucks relative to 2005; this excludes reductions anticipated from implementation of state technology and fuels strategies, and any potential future state strategies, such as statewide road user pricing. The proposed targets call for greater per-capita GHG emission reductions from SB 375 than are currently in place, which for 2035 translate into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCS to achieve the SB 375 targets. For next SCS update, CARB's updated targets for the AMBAG region are a 3 percent per capita GHG reduction in 2020 from 2005 levels (compared to 0 percent under the 2010 target) and a 6 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 5 percent). CARB foresees that the additional GHG emissions reductions in 2035 may be achieved from land use changes, transportation investment, and technology strategies. [30]

- Transportation Sector Regulations – Assembly Bill 1493. Also known as Pavley I, AB 1493 is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model years 2017 through 2025 light-duty vehicles (see also the discussion on the update to the CAFE standards under the heading for Federal Regulations, above). In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot, and GHGs

[29] California Air Resources Board, 2018, Updated Final Staff Report: Proposed Update to the SB 375 Greenhouse Gas Emissions Reduction Targets.
[30] California Air Resources Board, 2018, Updated Final Staff Report: Proposed Update to the SB 375 Greenhouse Gas Emissions Reduction Targets.

with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025, new automobiles will emit 34 percent less global warming gases and 75 percent less smog-forming emissions.[31]

- **Transportation Sector Regulations – Executive Order S-01-07.** On January 18, 2007, the state set a new LCFS for transportation fuels sold in California. Executive Order S-01-07 sets a declining standard for GHG emissions measured in CO_2e gram per unit of fuel energy sold in California. The LCFS requires a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. The LCFS applies to refiners, blenders, producers, and importers of transportation fuels and would use market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle," using the most economically feasible methods.

- **Transportation Sector Regulations – Executive Order B-16-2012.** Signed on March 23, 2012, the State required CARB, the California Energy Commission, the Public Utilities Commission, and other relevant agencies to work with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate ZE vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The executive order also directed the number of ZE vehicles in California's state vehicle fleet to increase through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles are zero-emission by 2015 and at least 25 percent by 2020. The executive order also stabled a target for the transportation sector of reducing GHG emissions 80 percent below 1990 levels.

- **Renewable Portfolio/Carbon Neutrality Regulations – Senate Bills 1078, 107, and X1-2, and Executive Order S-14-08.** A major component of California's Renewable Energy Program is the renewable portfolios standard (RPS) established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. Executive Order S-14-08, signed in November 2008, expanded the RPS to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects because electricity production from renewable sources is generally considered carbon neutral.

- **Renewable Portfolio/Carbon Neutrality Regulations – Senate Bill 350.** Signed in September 2015, SB 350 establishes tiered increases the RPS to 40 percent by 2024, 45 percent by 2027, and 50 percent

[31] See also the discussion on the update to the CAFE standards under Federal Laws, above. In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot and global warming gases and requirements for greater numbers of zero-emission vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025, new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions.

by 2030. SB 350 also set a new goal to double the energy efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

- Renewable Portfolio/Carbon Neutrality Regulations – Senate Bill 100. On September 10, 2018, Governor Brown signed SB 100, which raises California's RPS requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill establishes a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

- Renewable Portfolio/Carbon Neutrality Regulations – Executive Order B-55-18. Executive Order B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions should be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

- Energy Efficiency Regulations – California Building Code: Building Energy Efficiency Standards. Energy conservation standards for new residential and non-residential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 and most recently revised in 2016 (Title 24, Part 6, of the California Code of Regulations). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. The 2019 Building Energy Efficiency Standards, which were adopted on May 9, 2018, go into effect starting January 1, 2020.[32] The 2019 standards move toward cutting energy use in new homes by more than 50 percent and will require installation of solar photovoltaic systems for single-family homes and multifamily buildings of three stories and less. The 2019 standards focus on four key areas 1) smart residential photovoltaic systems; 2) updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa); 3) residential and nonresidential ventilation requirements; and 4) nonresidential lighting requirements.

[32] California Energy Commission, 2015, 2016 Building Energy and Efficiency Standards Frequently Asked Questions, http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/2016_Building_Energy_Efficiency_Standards_FAQ.pdf, accessed on May 10, 2018.

[33] Under the 2019 standards, nonresidential buildings will be 30 percent more energy efficient compared to the 2016 standards, and single-family homes will be 7 percent more energy efficient. When accounting for the electricity generated by the solar photovoltaic system, single-family homes would use 53 percent less energy compared to homes built to the 2016 standards.[34]

- Energy Efficiency Regulations – California Building Code: CALGreen. On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 California Code of Regulations, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code. CALGreen established planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[35] The mandatory provisions of the 2016 CALGreen building standards became effective on January 1, 2017. The CEC adopted the 2019 CALGreen on May 9, 2018, and it becomes effective January 1, 2020.

- Energy Efficiency Regulations – 2006 Appliance Efficiency Regulations. Adopted by the California Energy Commission on October 11, 2006, the 2006 Appliance Efficiency Regulations (Title 20, California Code of Regulations, Sections 1601 through 1608) were approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances. Though these regulations are now often viewed as "business-as-usual," they exceed the standards imposed by all other states and they reduce GHG emissions by reducing energy demand.

- Solid Waste Regulations – Assembly Bill 939. California's Integrated Waste Management Act of 1989 (AB 939, Public Resources Code 40050 *et seq.*) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting. In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

- Solid Waste Regulations – Assembly Bill 341. AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses. Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

[33] California Energy Commission, 2018, Energy Commission Adopts Standards Requiring Solar Systems for New Homes, First in Nation. News Release.
[34] California Energy Commission, 2018, 2019 Building Energy and Efficiency Standards Frequently Asked Questions. http://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf, accessed on September 5, 2018.
[35] The green building standards became mandatory in the 2010 edition of the code.

- Solid Waste Regulations – Assembly Bill 1327. The California Solid Waste Reuse and Recycling Access Act (AB 1327, Public Resources Code Sections 42900 *et seq.*) requires areas to be set aside for collecting and loading recyclable materials in development projects. The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own..

- Solid Waste Regulations – Assembly Bill 1826. AB 1826, signed on October of 2014, requires businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings with five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

- Water Efficiency Regulations – SBX7-7. The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009 to 2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure water deliveries to customers, and implement other efficiency measures. SBX7-7 requires urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

- Water Efficiency Regulations –Assembly Bill 1881. The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or equivalent. AB 1881 also requires the Energy Commission, in consultation with the department, to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

- Short-Lived Climate Pollutants – Senate Bill 1383. On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and CH_4. Black carbon is the light-absorbing component of fine particulate matter produced during incomplete combustion of fuels. SB 1383 requires the State board, no later than January 1, 2018, to approve and begin implementing that comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent

below 2013 levels by 2030. The bill also establishes targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the "Final Proposed Short-Lived Climate Pollutant Strategy," which identifies the State's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s, despite the tripling of diesel fuel use.[36] In-use on-road rules are expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020.

REGIONAL REGULATIONS

AMBAG Metropolitan Transportation Plan and Sustainable Communities Strategy

MBAG is the MPO for the Monterey Bay area. MBAG coordinates the development of the Metropolitan Transportation Plan (MTP)/ Sustainable Communities Strategy (SCS) with the Regional Transportation Planning Agencies (RTPAs) (San Benito County Council of Governments, the Santa Cruz County Regional Transportation Commission and the Transportation Agency for Monterey County), transit providers (San Benito County Local Transit Authority, Monterey Salinas Transit, and Santa Cruz METRO Transit District), the MBARD. AMBAG also coordinates transportation planning and programming activities with the three counties and eighteen local jurisdictions within the tri-county Monterey Bay Region. AMBAG adopted the 2040 MTP/SCS on June 13. 2019.

LOCAL REGULATIONS

Watsonville Climate Action Plan

The City of Watsonville received grant funding through the State of California's Sustainable Communities Planning Grant and Incentive Program in December 2012 to complete a Climate Action Plan (CAP) and carbon offset program. The city of Watsonville identified a 2020 target (AB 32) of 15 percent below 2005 levels by 2020 and a 2030 target that puts the City on a trajectory to reach the 2050 reduction target of Executive Order S-03-05 of 25 percent below 2005 emissions by 2030. In order to reach the 2020 and 2030 reduction targets, the following total emission reductions are needed:

- By 2020: 45,622 $MTCO_2e$
- By 2030: 86,893 $MTCO_2e$

The City's CAP includes existing actions, new actions, and supporting actions to achieve reductions in energy, transportation, green buildings/green business, solid waste disposal, and water and wastewater

[36] California Air Resources Board, 2017, Short-Lived Climate Pollutant Reduction Strategy, https://www.arb.ca.gov/cc/shortlived/meetings/03142017/final_slcp_report.pdf, accessed on May 10, 2018.

sectors. With all of the expected reductions from state and local actions, the City of Watsonville is on track to meet both the 2020 and 2030 reduction targets.[37]

Watsonville Carbon Fund Ordinance

The City of Watsonville adopted a new Carbon Fund Ordinance on March 10, 2015 (effective September 10, 2015) to create a revenue source to implement the GHG reducing measures in the City's CAP. The Carbon Fund Ordinance established a Carbon Fee to be charged to all development projects except single family residential alterations, temporary buildings, and/or building area that is not used as conditioned space. The goal of the Carbon Fund Ordinance is to encourage the implementation of renewable energy in development projects. The money collected from the Carbon Fund Fee are placed in a separate account to be used for citywide GHG reduction projects.[38]

The Carbon Impact Fee is calculated as a percent of the building permit fee, depending on whether the proposed project is new construction or an addition/alteration. Carbon Impact fees for new construction are 50 percent of the project's building permit fee. Carbon Impact fees for additions and alterations are 30 percent of the project's building permit fee. Applicants pay the Carbon Impact fee at the same time as other development and permit fees, after submitting plans and appropriate documentation for plan review. [39]

However, the Carbon Impact fee may be refunded by the City if the applicant provides documentation of a reduction in their project's energy demand projects compared with Title 24 (Part 6) code requirements by completing the Carbon Fund Program Voluntary Compliance Worksheet (Worksheet) and submitting it with proper documentation, along with the Building Permit Application, and plan sets. Projects that provide an on-site renewable energy system and energy efficiency measures that offset 40 to 79.9 percent of average annual electricity demand are refunded 50 percent of the Carbon Impact Fee. If a project provides an on-site renewable energy system and energy efficiency measures that offset 80 percent or more of average annual electricity demand, 100 percent of the Carbon Impact Fee is refunded.[40]

MBARD's Thresholds

The District's goal in developing GHG thresholds has been to strike a balance between the unique economic viability of Monterey Bay and the statewide concern regarding GHG emissions. Based on this work, MBARD adopted a threshold of 10,000 $MTCO_2e$ per year for stationary source projects (i.e., projects where MBARD is the lead agency). For land-use projects that are not covered by a GHG reduction plan, MBARD recommended a screening threshold of 2,000 $MTCO_2e$ per year for land-use projects or

[37] Watsonville. 2015, April 9. City of Watsonville Climate Action Plan. Prepared by KEMA and DNG-VL
[38] Watsonville. Carbon Fund Ordinance, https://www.cityofwatsonville.org/1765/Carbon-Fund-Ordinance, Accessed April 30, 2019
[39] Watsonville. Watsonville Carbon Fun Program Applicant Information & Instructions.
https://www.cityofwatsonville.org/DocumentCenter/View/197/Carbon-Fund-Program-Applicant-Information-and-Instructions-PDF
[40] Watsonville. Watsonville Carbon Fun Program Applicant Information & Instructions.
https://www.cityofwatsonville.org/DocumentCenter/View/197/Carbon-Fund-Program-Applicant-Information-and-Instructions-PDF

compliance with an adopted GHG Reduction Plan/Climate Action Plan. [41] The bright-line threshold was based on a market capture approach, recommended by the California Air Pollution Control Officer's Association (CAPCOA) in their *CEQA and Climate Change, Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act* (2008) guidance document. A threshold of 2,000 $MTCO_2e$ captures approximately 75 percent of emissions from projects in the NCCAB and was based on review of 213 commercial projects and 285 residential projects, for a total of 498 projects. [42]

[41] Monterey Bay Air Resources Board (MBARD), 2013, February 20. Receive an Informational Report on the Status of Developing Greenhouse Gas Emissions Thresholds for Evaluating Projects Under the California Environmental Quality Act (CEQA) and Provide Direction to Staff on Next Steps

[42] MBARD does not receive a substantial number of review applications. In order to have a larger data set, MBARD considered emissions generated by projects in Ventura County as a substitute of emissions for the NCCAB since the Ventura County region is similar to the Monterey Bay region.

Watsonville975Main_Existing

Santa Cruz County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	77.74	1000sqft	1.78	77,738.00	0
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.22	9,525.00	0
Automobile Care Center	3.90	1000sqft	0.09	3,895.00	0
Supermarket	8.16	1000sqft	0.19	8,158.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	1.8	**Precipitation Freq (Days)**	61
Climate Zone	4			**Operational Year**	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Monterey Bay Community Power, Power Mix (carbon neutral)

Land Use -

Construction Phase - Existing = No Construction

Off-road Equipment - Existing = No Construction

Trips and VMT - Existing = No Construction

Architectural Coating - Existing = No Construction

Vehicle Trips - ITE 10th Generation with passby and internal trip capture.

Energy Use -

Water And Wastewater - 100% Treated Wastewater

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	10,789.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	32,367.00	0.00
tblArchitecturalCoating	ConstArea_Parking	4,664.00	0.00
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	77,740.00	77,738.00
tblLandUse	LandUseSquareFeet	9,530.00	9,525.00
tblLandUse	LandUseSquareFeet	3,900.00	3,895.00
tblLandUse	LandUseSquareFeet	8,160.00	8,158.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00

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Santa Cruz County, Annual

tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	23.72	23.11
tblVehicleTrips	ST_TR	158.37	50.29
tblVehicleTrips	ST_TR	177.59	688.89
tblVehicleTrips	SU_TR	11.88	23.11
tblVehicleTrips	SU_TR	131.84	50.29
tblVehicleTrips	SU_TR	166.44	688.89
tblVehicleTrips	WD_TR	23.72	23.11
tblVehicleTrips	WD_TR	127.15	46.82
tblVehicleTrips	WD_TR	102.24	484.31
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

Watsonville975Main_Existing

Santa Cruz County, Annual

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1060	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003
Energy	0.0126	0.1149	0.0965	6.9000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	125.0249	125.0249	2.4000e-003	2.2900e-003	125.7679
Mobile	2.5042	9.3644	31.1781	0.0634	5.0428	0.1107	5.1535	1.3556	0.1045	1.4601	0.0000	5,777.4480	5,777.4480	0.3363	0.0000	5,785.8562
Waste						0.0000	0.0000		0.0000	0.0000	35.3874	0.0000	35.3874	2.0913	0.0000	87.6708
Water						0.0000	0.0000		0.0000	0.0000	1.5091	0.0000	1.5091	5.1900e-003	3.2800e-003	2.6170
Total	**2.6229**	**9.4793**	**31.2759**	**0.0641**	**5.0428**	**0.1194**	**5.1622**	**1.3556**	**0.1133**	**1.4688**	**36.8965**	**5,902.4754**	**5,939.3719**	**2.4353**	**5.5700e-003**	**6,001.9145**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1060	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003
Energy	0.0126	0.1149	0.0965	6.9000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	125.0249	125.0249	2.4000e-003	2.2900e-003	125.7679
Mobile	2.5042	9.3644	31.1781	0.0634	5.0428	0.1107	5.1535	1.3556	0.1045	1.4601	0.0000	5,777.4480	5,777.4480	0.3363	0.0000	5,785.8562
Waste						0.0000	0.0000		0.0000	0.0000	35.3874	0.0000	35.3874	2.0913	0.0000	87.6708
Water						0.0000	0.0000		0.0000	0.0000	1.5091	0.0000	1.5091	5.1900e-003	3.2800e-003	2.6170
Total	**2.6229**	**9.4793**	**31.2759**	**0.0641**	**5.0428**	**0.1194**	**5.1622**	**1.3556**	**0.1133**	**1.4688**	**36.8965**	**5,902.4754**	**5,939.3719**	**2.4353**	**5.5700e-003**	**6,001.9145**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Watsonville975Main_Existing

Santa Cruz County, Annual

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5042	9.3644	31.1781	0.0634	5.0428	0.1107	5.1535	1.3556	0.1045	1.4601	0.0000	5,777.4480	5,777.4480	0.3363	0.0000	5,785.8562
Unmitigated	2.5042	9.3644	31.1781	0.0634	5.0428	0.1107	5.1535	1.3556	0.1045	1.4601	0.0000	5,777.4480	5,777.4480	0.3363	0.0000	5,785.8562

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	90.13	90.13	90.13	263,309	263,309
High Turnover (Sit Down Restaurant)	446.19	479.26	479.26	1,241,749	1,241,749
Parking Lot	0.00	0.00	0.00		
Supermarket	3,951.97	5,621.34	5621.34	11,999,096	11,999,096
Total	4,488.29	6,190.74	6,190.74	13,504,154	13,504,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
High Turnover (Sit Down Restaurant)	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Parking Lot	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Supermarket	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449

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5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0126	0.1149	0.0965	6.9000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	125.0249	125.0249	2.4000e-003	2.2900e-003	125.7679
NaturalGas Unmitigated	0.0126	0.1149	0.0965	6.9000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	125.0249	125.0249	2.4000e-003	2.2900e-003	125.7679

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	113929	6.1000e-004	5.5800e-003	4.6900e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0797	6.0797	1.2000e-004	1.1000e-004	6.1158
High Turnover (Sit Down Restaurant)	2.02206e+006	0.0109	0.0991	0.0833	5.9000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	107.9049	107.9049	2.0700e-003	1.9800e-003	108.5462
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	206887	1.1200e-003	0.0101	8.5200e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0403	11.0403	2.1000e-004	2.0000e-004	11.1059
Total		**0.0126**	**0.1148**	**0.0965**	**6.8000e-004**		**8.7200e-003**	**8.7200e-003**		**8.7200e-003**	**8.7200e-003**	**0.0000**	**125.0249**	**125.0249**	**2.4000e-003**	**2.2900e-003**	**125.7679**

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Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	113929	6.1000e-004	5.5800e-003	4.6900e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0797	6.0797	1.2000e-004	1.1000e-004	6.1158
High Turnover (Sit Down Restaurant)	2.02206e+006	0.0109	0.0991	0.0833	5.9000e-004		7.5300e-003	7.5300e-003		7.5300e-003	7.5300e-003	0.0000	107.9049	107.9049	2.0700e-003	1.9800e-003	108.5462
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	206887	1.1200e-003	0.0101	8.5200e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	11.0403	11.0403	2.1000e-004	2.0000e-004	11.1059
Total		**0.0126**	**0.1148**	**0.0965**	**6.8000e-004**		**8.7200e-003**	**8.7200e-003**		**8.7200e-003**	**8.7200e-003**	**0.0000**	**125.0249**	**125.0249**	**2.4000e-003**	**2.2900e-003**	**125.7679**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	36729.8	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	334613	0.0000	0.0000	0.0000	0.0000
Parking Lot	68409.4	0.0000	0.0000	0.0000	0.0000
Supermarket	355281	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	36729.8	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	334613	0.0000	0.0000	0.0000	0.0000
Parking Lot	68409.4	0.0000	0.0000	0.0000	0.0000
Supermarket	355281	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1060	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003
Unmitigated	0.1060	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003
Total	**0.1060**	**1.0000e-005**	**1.2800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4700e-003**	**2.4700e-003**	**1.0000e-005**	**0.0000**	**2.6300e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.2800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6300e-003
Total	**0.1060**	**1.0000e-005**	**1.2800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4700e-003**	**2.4700e-003**	**1.0000e-005**	**0.0000**	**2.6300e-003**

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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.5091	5.1900e-003	3.2800e-003	2.6170
Unmitigated	1.5091	5.1900e-003	3.2800e-003	2.6170

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.366916 / 0.224884	0.1298	4.5000e-004	2.8000e-004	0.2251
High Turnover (Sit Down Restaurant)	2.89268 / 0.184639	1.0234	3.5200e-003	2.2300e-003	1.7747
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	1.00587 / 0.0311093	0.3559	1.2200e-003	7.7000e-004	0.6171
Total		**1.5091**	**5.1900e-003**	**3.2800e-003**	**2.6170**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.366916 / 0.224884	0.1298	4.5000e-004	2.8000e-004	0.2251
High Turnover (Sit Down Restaurant)	2.89268 / 0.184639	1.0234	3.5200e-003	2.2300e-003	1.7747
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	1.00587 / 0.0311093	0.3559	1.2200e-003	7.7000e-004	0.6171
Total		**1.5091**	**5.1900e-003**	**3.2800e-003**	**2.6170**

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8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	35.3874	2.0913	0.0000	87.6708
Unmitigated	35.3874	2.0913	0.0000	87.6708

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	14.9	3.0246	0.1788	0.0000	7.4932
High Turnover (Sit Down Restaurant)	113.41	23.0212	1.3605	0.0000	57.0341
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	46.02	9.3416	0.5521	0.0000	23.1435
Total		**35.3874**	**2.0913**	**0.0000**	**87.6708**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	14.9	3.0246	0.1788	0.0000	7.4932
High Turnover (Sit Down Restaurant)	113.41	23.0212	1.3605	0.0000	57.0341
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	46.02	9.3416	0.5521	0.0000	23.1435
Total		**35.3874**	**2.0913**	**0.0000**	**87.6708**

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9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	77.74	1000sqft	1.78	77,738.00	0
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.22	9,525.00	0
Automobile Care Center	3.90	1000sqft	0.09	3,895.00	0
Supermarket	8.16	1000sqft	0.19	8,158.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	1.8	**Precipitation Freq (Days)**	61
Climate Zone	4			**Operational Year**	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Monterey Bay Community Power, Power Mix (carbon neutral)

Land Use -

Construction Phase - Existing = No Construction

Off-road Equipment - Existing = No Construction

Trips and VMT - Existing = No Construction

Architectural Coating - Existing = No Construction

Vehicle Trips - ITE 10th Generation with passby and internal trip capture.

Energy Use -

Water And Wastewater - 100% Treated Wastewater

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	10,789.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	32,367.00	0.00
tblArchitecturalCoating	ConstArea_Parking	4,664.00	0.00
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	77,740.00	77,738.00
tblLandUse	LandUseSquareFeet	9,530.00	9,525.00
tblLandUse	LandUseSquareFeet	3,900.00	3,895.00
tblLandUse	LandUseSquareFeet	8,160.00	8,158.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00

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tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	23.72	23.11
tblVehicleTrips	ST_TR	158.37	50.29
tblVehicleTrips	ST_TR	177.59	688.89
tblVehicleTrips	SU_TR	11.88	23.11
tblVehicleTrips	SU_TR	131.84	50.29
tblVehicleTrips	SU_TR	166.44	688.89
tblVehicleTrips	WD_TR	23.72	23.11
tblVehicleTrips	WD_TR	127.15	46.82
tblVehicleTrips	WD_TR	102.24	484.31
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Energy	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
Mobile	18.0612	60.3631	212.1374	0.4511	35.7428	0.7555	36.4982	9.5783	0.7134	10.2918		45,281.5809	45,281.5809	2.5544		45,345.4409
Total	**18.7117**	**60.9925**	**212.6762**	**0.4549**	**35.7428**	**0.8033**	**36.5461**	**9.5783**	**0.7613**	**10.3396**		**46,036.7607**	**46,036.7607**	**2.5689**	**0.0138**	**46,105.1097**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Energy	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
Mobile	18.0612	60.3631	212.1374	0.4511	35.7428	0.7555	36.4982	9.5783	0.7134	10.2918		45,281.5809	45,281.5809	2.5544		45,345.4409
Total	**18.7117**	**60.9925**	**212.6762**	**0.4549**	**35.7428**	**0.8033**	**36.5461**	**9.5783**	**0.7613**	**10.3396**		**46,036.7607**	**46,036.7607**	**2.5689**	**0.0138**	**46,105.1097**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.0612	60.3631	212.1374	0.4511	35.7428	0.7555	36.4982	9.5783	0.7134	10.2918		45,281.5809	45,281.5809	2.5544		45,345.4409
Unmitigated	18.0612	60.3631	212.1374	0.4511	35.7428	0.7555	36.4982	9.5783	0.7134	10.2918		45,281.5809	45,281.5809	2.5544		45,345.4409

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	90.13	90.13	90.13	263,309	263,309
High Turnover (Sit Down Restaurant)	446.19	479.26	479.26	1,241,749	1,241,749
Parking Lot	0.00	0.00	0.00		
Supermarket	3,951.97	5,621.34	5621.34	11,999,096	11,999,096
Total	4,488.29	6,190.74	6,190.74	13,504,154	13,504,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
High Turnover (Sit Down Restaurant)	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Parking Lot	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Supermarket	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449

Watsonville975Main_Existing

Santa Cruz County, Summer

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
NaturalGas Unmitigated	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	312.134	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003		36.7216	36.7216	7.0000e-004	6.7000e-004	36.9398
High Turnover (Sit Down Restaurant)	5539.9	0.0597	0.5431	0.4562	3.2600e-003		0.0413	0.0413		0.0413	0.0413		651.7525	651.7525	0.0125	0.0120	655.6256
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	566.813	6.1100e-003	0.0556	0.0467	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6839	66.6839	1.2800e-003	1.2200e-003	67.0802
Total		**0.0692**	**0.6293**	**0.5286**	**3.7700e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**		**755.1581**	**755.1581**	**0.0145**	**0.0138**	**759.6456**

Watsonville975Main_Existing

Santa Cruz County, Summer

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.312134	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003		36.7216	36.7216	7.0000e-004	6.7000e-004	36.9398
High Turnover (Sit Down Restaurant)	5.5399	0.0597	0.5431	0.4562	3.2600e-003		0.0413	0.0413		0.0413	0.0413		651.7525	651.7525	0.0125	0.0120	655.6256
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.566813	6.1100e-003	0.0556	0.0467	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6839	66.6839	1.2800e-003	1.2200e-003	67.0802
Total		**0.0692**	**0.6293**	**0.5286**	**3.7700e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**		**755.1581**	**755.1581**	**0.0145**	**0.0138**	**759.6456**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Unmitigated	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Total	**0.5814**	**1.0000e-004**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0217**	**0.0217**	**6.0000e-005**		**0.0232**

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Santa Cruz County, Summer

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Total	**0.5814**	**1.0000e-004**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0217**	**0.0217**	**6.0000e-005**		**0.0232**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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Santa Cruz County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	77.74	1000sqft	1.78	77,738.00	0
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.22	9,525.00	0
Automobile Care Center	3.90	1000sqft	0.09	3,895.00	0
Supermarket	8.16	1000sqft	0.19	8,158.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	1.8	**Precipitation Freq (Days)**	61
Climate Zone	4			**Operational Year**	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Monterey Bay Community Power, Power Mix (carbon neutral)

Land Use -

Construction Phase - Existing = No Construction

Off-road Equipment - Existing = No Construction

Trips and VMT - Existing = No Construction

Architectural Coating - Existing = No Construction

Vehicle Trips - ITE 10th Generation with passby and internal trip capture.

Energy Use -

Water And Wastewater - 100% Treated Wastewater

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	10,789.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	32,367.00	0.00
tblArchitecturalCoating	ConstArea_Parking	4,664.00	0.00
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	77,740.00	77,738.00
tblLandUse	LandUseSquareFeet	9,530.00	9,525.00
tblLandUse	LandUseSquareFeet	3,900.00	3,895.00
tblLandUse	LandUseSquareFeet	8,160.00	8,158.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00

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tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	23.72	23.11
tblVehicleTrips	ST_TR	158.37	50.29
tblVehicleTrips	ST_TR	177.59	688.89
tblVehicleTrips	SU_TR	11.88	23.11
tblVehicleTrips	SU_TR	131.84	50.29
tblVehicleTrips	SU_TR	166.44	688.89
tblVehicleTrips	WD_TR	23.72	23.11
tblVehicleTrips	WD_TR	127.15	46.82
tblVehicleTrips	WD_TR	102.24	484.31
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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Santa Cruz County, Winter

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Energy	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
Mobile	17.3811	66.2724	226.2423	0.4337	35.7428	0.7600	36.5028	9.5783	0.7178	10.2961		43,503.3966	43,503.3966	2.5911		43,568.1751
Total	**18.0317**	**66.9018**	**226.7812**	**0.4374**	**35.7428**	**0.8079**	**36.5506**	**9.5783**	**0.7657**	**10.3440**		**44,258.5764**	**44,258.5764**	**2.6057**	**0.0138**	**44,327.8439**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Energy	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
Mobile	17.3811	66.2724	226.2423	0.4337	35.7428	0.7600	36.5028	9.5783	0.7178	10.2961		43,503.3966	43,503.3966	2.5911		43,568.1751
Total	**18.0317**	**66.9018**	**226.7812**	**0.4374**	**35.7428**	**0.8079**	**36.5506**	**9.5783**	**0.7657**	**10.3440**		**44,258.5764**	**44,258.5764**	**2.6057**	**0.0138**	**44,327.8439**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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Santa Cruz County, Winter

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.3811	66.2724	226.2423	0.4337	35.7428	0.7600	36.5028	9.5783	0.7178	10.2961		43,503.3966	43,503.3966	2.5911		43,568.1751
Unmitigated	17.3811	66.2724	226.2423	0.4337	35.7428	0.7600	36.5028	9.5783	0.7178	10.2961		43,503.3966	43,503.3966	2.5911		43,568.1751

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	90.13	90.13	90.13	263,309	263,309
High Turnover (Sit Down Restaurant)	446.19	479.26	479.26	1,241,749	1,241,749
Parking Lot	0.00	0.00	0.00		
Supermarket	3,951.97	5,621.34	5621.34	11,999,096	11,999,096
Total	4,488.29	6,190.74	6,190.74	13,504,154	13,504,154

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
High Turnover (Sit Down Restaurant)	9.50	7.30	7.30	8.50	72.50	19.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
High Turnover (Sit Down Restaurant)	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Parking Lot	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449
Supermarket	0.549321	0.034746	0.207280	0.130430	0.026837	0.005746	0.020647	0.011307	0.001237	0.003409	0.006573	0.001017	0.001449

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Santa Cruz County, Winter

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456
NaturalGas Unmitigated	0.0692	0.6293	0.5286	3.7800e-003		0.0478	0.0478		0.0478	0.0478		755.1581	755.1581	0.0145	0.0138	759.6456

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	312.134	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003		36.7216	36.7216	7.0000e-004	6.7000e-004	36.9398
High Turnover (Sit Down Restaurant)	5539.9	0.0597	0.5431	0.4562	3.2600e-003		0.0413	0.0413		0.0413	0.0413		651.7525	651.7525	0.0125	0.0120	655.6256
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	566.813	6.1100e-003	0.0556	0.0467	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6839	66.6839	1.2800e-003	1.2200e-003	67.0802
Total		**0.0692**	**0.6293**	**0.5286**	**3.7700e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**		**755.1581**	**755.1581**	**0.0145**	**0.0138**	**759.6456**

Watsonville975Main_Existing - Santa Cruz County, Winter

Watsonville975Main_Existing

Santa Cruz County, Winter

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.312134	3.3700e-003	0.0306	0.0257	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003		36.7216	36.7216	7.0000e-004	6.7000e-004	36.9398
High Turnover (Sit Down Restaurant)	5.5399	0.0597	0.5431	0.4562	3.2600e-003		0.0413	0.0413		0.0413	0.0413		651.7525	651.7525	0.0125	0.0120	655.6256
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.566813	6.1100e-003	0.0556	0.0467	3.3000e-004		4.2200e-003	4.2200e-003		4.2200e-003	4.2200e-003		66.6839	66.6839	1.2800e-003	1.2200e-003	67.0802
Total		**0.0692**	**0.6293**	**0.5286**	**3.7700e-003**		**0.0478**	**0.0478**		**0.0478**	**0.0478**		**755.1581**	**755.1581**	**0.0145**	**0.0138**	**759.6456**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Unmitigated	0.5814	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Total	**0.5814**	**1.0000e-004**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0217**	**0.0217**	**6.0000e-005**		**0.0232**

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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0217	0.0217	6.0000e-005		0.0232
Total	**0.5814**	**1.0000e-004**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0217**	**0.0217**	**6.0000e-005**		**0.0232**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Note: Mix of land uses has been revised since the original modeling was conducted. However, modeling is based on a total of 20,000 SQFT of new construction on the 2.66-acre site. Therefore, construction emissions is still is representative of the proposed project.

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	31.15	1000sqft	0.72	0.00	0
Parking Lot	64.90	1000sqft	1.49	64,897.00	0
Fast Food Restaurant with Drive Thru	5.60	1000sqft	0.13	5,600.00	0
High Turnover (Sit Down Restaurant)	3.90	1000sqft	0.09	3,900.00	0
Strip Mall	10.50	1000sqft	0.24	10,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	1.8	**Precipitation Freq (Days)**	61
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Monterey Bay Community Power - Power Mix (carbon neutral electricity)

Land Use - zeroed out landscape SQFT (modeled as parking) since no coatings.

Construction Phase - Extend Construction to overlap paving and coating phases.

Off-road Equipment -

Off-road Equipment - Haul no equipment

Trips and VMT - see assumptions

Demolition -

Architectural Coating - See assumptions 90% exterior coated.

Vehicle Trips - Weekday Trips by KDAnderson - weekend trip uses ITE w/reductions from weekday for passby and internal trip capture.

Area Coating - 90% of building exterior has paintable surfaces.

Energy Use -

Water And Wastewater - 100% Treated Wastewater. Based on the CalEEMod default water and wastewater rates.

Energy Mitigation - 2019 Building and Energy Efficiency Standards

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	10,000.00	9,000.00
tblAreaCoating	Area_Nonresidential_Exterior	10000	9000
tblConstructionPhase	NumDays	220.00	240.00
tblConstructionPhase	PhaseEndDate	11/6/2020	10/9/2020
tblConstructionPhase	PhaseEndDate	11/25/2019	10/28/2019
tblConstructionPhase	PhaseEndDate	12/6/2019	11/8/2019
tblConstructionPhase	PhaseEndDate	10/23/2020	9/25/2020
tblConstructionPhase	PhaseEndDate	11/28/2019	10/31/2019
tblConstructionPhase	PhaseStartDate	10/24/2020	9/26/2020

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tblConstructionPhase	PhaseStartDate	12/7/2019	11/9/2019
tblConstructionPhase	PhaseStartDate	10/29/2019	10/1/2019
tblConstructionPhase	PhaseStartDate	11/29/2019	11/1/2019
tblConstructionPhase	PhaseStartDate	10/10/2020	9/14/2020
tblConstructionPhase	PhaseStartDate	11/26/2019	10/29/2019
tblLandUse	LandUseSquareFeet	31,150.00	0.00
tblLandUse	LandUseSquareFeet	64,900.00	64,897.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	266.00	135.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	35.00	48.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	29.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	722.03	343.63
tblVehicleTrips	ST_TR	158.37	151.18
tblVehicleTrips	ST_TR	42.04	68.13
tblVehicleTrips	SU_TR	542.72	343.63
tblVehicleTrips	SU_TR	131.84	151.18
tblVehicleTrips	SU_TR	20.43	16.62
tblVehicleTrips	WD_TR	496.12	308.93
tblVehicleTrips	WD_TR	127.15	149.74
tblVehicleTrips	WD_TR	44.32	29.71
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	1,699,788.79	1,699,790.00
tblWater	IndoorWaterUseRate	1,183,781.48	1,183,783.00
tblWater	IndoorWaterUseRate	777,761.48	777,767.00

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tblWater	OutdoorWaterUseRate	108,497.16	108,494.00
tblWater	OutdoorWaterUseRate	75,560.52	75,559.00
tblWater	OutdoorWaterUseRate	476,692.52	476,690.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.9038	25.9197	17.9821	0.0328	6.6615	1.3078	7.7405	3.3970	1.2223	4.3900	0.0000	3,168.6613	3,168.6613	0.7764	0.0000	3,184.5858
2020	32.6912	31.1968	29.6896	0.0517	0.6119	1.6208	2.2327	0.1644	1.5293	1.6937	0.0000	4,901.7084	4,901.7084	1.0455	0.0000	4,927.8447
Maximum	**32.6912**	**31.1968**	**29.6896**	**0.0517**	**6.6615**	**1.6208**	**7.7405**	**3.3970**	**1.5293**	**4.3900**	**0.0000**	**4,901.7084**	**4,901.7084**	**1.0455**	**0.0000**	**4,927.8447**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.9038	25.9197	17.9821	0.0328	6.6615	1.3078	7.7405	3.3970	1.2223	4.3900	0.0000	3,168.6613	3,168.6613	0.7764	0.0000	3,184.5858
2020	32.6912	31.1968	29.6896	0.0517	0.6119	1.6208	2.2327	0.1644	1.5293	1.6937	0.0000	4,901.7084	4,901.7084	1.0455	0.0000	4,927.8447
Maximum	**32.6912**	**31.1968**	**29.6896**	**0.0517**	**6.6615**	**1.6208**	**7.7405**	**3.3970**	**1.5293**	**4.3900**	**0.0000**	**4,901.7084**	**4,901.7084**	**1.0455**	**0.0000**	**4,927.8447**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2019	10/28/2019	5	20	
2	Demolition Haul	Demolition	10/1/2019	10/28/2019	5	20	
3	Site Preparation	Site Preparation	10/29/2019	10/31/2019	5	3	
4	Grading	Grading	11/1/2019	11/8/2019	5	6	
5	Building Construction	Building Construction	11/9/2019	10/9/2020	5	240	
6	Paving	Paving	9/14/2020	9/25/2020	5	10	
7	Architectural Coating	Architectural Coating	9/26/2020	10/9/2020	5	10	

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Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.21

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 9,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition Haul	Rubber Tired Dozers	0	8.00	247	0.40
Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition Haul	0	0.00	0.00	135.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	48.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0712	0.0665	0.5638	1.0800e-003	0.1068	9.3000e-004	0.1077	0.0283	8.6000e-004	0.0292		107.5995	107.5995	5.2100e-003		107.7297
Total	**0.0949**	**0.6637**	**0.7483**	**2.1600e-003**	**0.1338**	**6.3000e-003**	**0.1401**	**0.0361**	**6.0000e-003**	**0.0421**		**221.6477**	**221.6477**	**0.0107**		**221.9146**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0712	0.0665	0.5638	1.0800e-003	0.1068	9.3000e-004	0.1077	0.0283	8.6000e-004	0.0292		107.5995	107.5995	5.2100e-003		107.7297
Total	**0.0949**	**0.6637**	**0.7483**	**2.1600e-003**	**0.1338**	**6.3000e-003**	**0.1401**	**0.0361**	**6.0000e-003**	**0.0421**		**221.6477**	**221.6477**	**0.0107**		**221.9146**

3.3 Demolition Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8474	0.0000	2.8474	0.4312	0.0000	0.4312			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.8474**	**0.0000**	**2.8474**	**0.4312**	**0.0000**	**0.4312**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0685	2.5810	0.5911	5.4900e-003	0.1169	0.0152	0.1321	0.0319	0.0145	0.0465		586.2939	586.2939	0.0252		586.9238
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0685**	**2.5810**	**0.5911**	**5.4900e-003**	**0.1169**	**0.0152**	**0.1321**	**0.0319**	**0.0145**	**0.0465**		**586.2939**	**586.2939**	**0.0252**		**586.9238**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8474	0.0000	2.8474	0.4312	0.0000	0.4312			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.8474**	**0.0000**	**2.8474**	**0.4312**	**0.0000**	**0.4312**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0685	2.5810	0.5911	5.4900e-003	0.1169	0.0152	0.1321	0.0319	0.0145	0.0465		586.2939	586.2939	0.0252		586.9238
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0685**	**2.5810**	**0.5911**	**5.4900e-003**	**0.1169**	**0.0152**	**0.1321**	**0.0319**	**0.0145**	**0.0465**		**586.2939**	**586.2939**	**0.0252**		**586.9238**

3.4 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854		2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**1.5908**	**0.8537**	**2.4445**	**0.1718**	**0.7854**	**0.9572**		**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

Watsonville975MainStreet - Santa Cruz County, Winter

Watsonville975MainStreet

Santa Cruz County, Winter

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0438	0.0409	0.3470	6.7000e-004	0.0657	5.7000e-004	0.0663	0.0174	5.3000e-004	0.0180		66.2151	66.2151	3.2100e-003		66.2952
Total	**0.0675**	**0.6381**	**0.5315**	**1.7500e-003**	**0.0927**	**5.9400e-003**	**0.0986**	**0.0252**	**5.6700e-003**	**0.0309**		**180.2632**	**180.2632**	**8.6800e-003**		**180.4801**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**1.5908**	**0.8537**	**2.4445**	**0.1718**	**0.7854**	**0.9572**	**0.0000**	**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0438	0.0409	0.3470	6.7000e-004	0.0657	5.7000e-004	0.0663	0.0174	5.3000e-004	0.0180		66.2151	66.2151	3.2100e-003		66.2952
Total	**0.0675**	**0.6381**	**0.5315**	**1.7500e-003**	**0.0927**	**5.9400e-003**	**0.0986**	**0.0252**	**5.6700e-003**	**0.0309**		**180.2632**	**180.2632**	**8.6800e-003**		**180.4801**

Watsonville975MainStreet

Santa Cruz County, Winter

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**6.5523**	**1.0730**	**7.6253**	**3.3675**	**0.9871**	**4.3546**		**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0548	0.0512	0.4337	8.3000e-004	0.0822	7.2000e-004	0.0829	0.0218	6.6000e-004	0.0225		82.7688	82.7688	4.0100e-003		82.8690
Total	**0.0784**	**0.6483**	**0.6182**	**1.9100e-003**	**0.1091**	**6.0900e-003**	**0.1152**	**0.0295**	**5.8000e-003**	**0.0353**		**196.8170**	**196.8170**	**9.4800e-003**		**197.0539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**6.5523**	**1.0730**	**7.6253**	**3.3675**	**0.9871**	**4.3546**	**0.0000**	**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

Watsonville975MainStreet

Santa Cruz County, Winter

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0237	0.5972	0.1845	1.0800e-003	0.0270	5.3700e-003	0.0323	7.7500e-003	5.1400e-003	0.0129		114.0482	114.0482	5.4700e-003		114.1849
Worker	0.0548	0.0512	0.4337	8.3000e-004	0.0822	7.2000e-004	0.0829	0.0218	6.6000e-004	0.0225		82.7688	82.7688	4.0100e-003		82.8690
Total	**0.0784**	**0.6483**	**0.6182**	**1.9100e-003**	**0.1091**	**6.0900e-003**	**0.1152**	**0.0295**	**5.8000e-003**	**0.0353**		**196.8170**	**196.8170**	**9.4800e-003**		**197.0539**

3.6 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449		2,312.1454	2,312.1454	0.4810		2,324.1705
Total	**2.5581**	**18.9103**	**15.2545**	**0.0250**		**1.0901**	**1.0901**		**1.0449**	**1.0449**		**2,312.1454**	**2,312.1454**	**0.4810**		**2,324.1705**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0829	2.0900	0.6458	3.7700e-003	0.0944	0.0188	0.1132	0.0271	0.0180	0.0451		399.1687	399.1687	0.0191		399.6470
Worker	0.2629	0.2456	2.0819	4.0000e-003	0.3943	3.4400e-003	0.3978	0.1046	3.1800e-003	0.1078		397.2903	397.2903	0.0192		397.7713
Total	**0.3458**	**2.3356**	**2.7276**	**7.7700e-003**	**0.4887**	**0.0223**	**0.5109**	**0.1317**	**0.0212**	**0.1529**		**796.4590**	**796.4590**	**0.0384**		**797.4183**

Watsonville975MainStreet

Santa Cruz County, Winter

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449	0.0000	2,312.1454	2,312.1454	0.4810		2,324.1705
Total	**2.5581**	**18.9103**	**15.2545**	**0.0250**		**1.0901**	**1.0901**		**1.0449**	**1.0449**	**0.0000**	**2,312.1454**	**2,312.1454**	**0.4810**		**2,324.1705**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0829	2.0900	0.6458	3.7700e-003	0.0944	0.0188	0.1132	0.0271	0.0180	0.0451		399.1687	399.1687	0.0191		399.6470
Worker	0.2629	0.2456	2.0819	4.0000e-003	0.3943	3.4400e-003	0.3978	0.1046	3.1800e-003	0.1078		397.2903	397.2903	0.0192		397.7713
Total	**0.3458**	**2.3356**	**2.7276**	**7.7700e-003**	**0.4887**	**0.0223**	**0.5109**	**0.1317**	**0.0212**	**0.1529**		**796.4590**	**796.4590**	**0.0384**		**797.4183**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**		**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Watsonville975MainStreet - Santa Cruz County, Winter

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0641	1.8907	0.5568	3.7600e-003	0.0944	0.0118	0.1061	0.0271	0.0113	0.0384		397.4543	397.4543	0.0173		397.8878
Worker	0.2400	0.2173	1.8499	3.8800e-003	0.3943	3.3000e-003	0.3976	0.1046	3.0500e-003	0.1076		385.6368	385.6368	0.0167		386.0533
Total	**0.3041**	**2.1080**	**2.4067**	**7.6400e-003**	**0.4887**	**0.0151**	**0.5037**	**0.1317**	**0.0143**	**0.1460**		**783.0912**	**783.0912**	**0.0340**		**783.9411**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**	**0.0000**	**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0641	1.8907	0.5568	3.7600e-003	0.0944	0.0118	0.1061	0.0271	0.0113	0.0384		397.4543	397.4543	0.0173		397.8878
Worker	0.2400	0.2173	1.8499	3.8800e-003	0.3943	3.3000e-003	0.3976	0.1046	3.0500e-003	0.1076		385.6368	385.6368	0.0167		386.0533
Total	**0.3041**	**2.1080**	**2.4067**	**7.6400e-003**	**0.4887**	**0.0151**	**0.5037**	**0.1317**	**0.0143**	**0.1460**		**783.0912**	**783.0912**	**0.0340**		**783.9411**

Watsonville975MainStreet - Santa Cruz County, Winter

Watsonville975MainStreet

Santa Cruz County, Winter

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.3904					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5451**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**		**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0750	0.0679	0.5781	1.2100e-003	0.1232	1.0300e-003	0.1243	0.0327	9.5000e-004	0.0336		120.5115	120.5115	5.2100e-003		120.6417
Total	**0.0750**	**0.0679**	**0.5781**	**1.2100e-003**	**0.1232**	**1.0300e-003**	**0.1243**	**0.0327**	**9.5000e-004**	**0.0336**		**120.5115**	**120.5115**	**5.2100e-003**		**120.6417**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.3904					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5451**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**	**0.0000**	**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

Watsonville975MainStreet

Santa Cruz County, Winter

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0750	0.0679	0.5781	1.2100e-003	0.1232	1.0300e-003	0.1243	0.0327	9.5000e-004	0.0336		120.5115	120.5115	5.2100e-003		120.6417
Total	**0.0750**	**0.0679**	**0.5781**	**1.2100e-003**	**0.1232**	**1.0300e-003**	**0.1243**	**0.0327**	**9.5000e-004**	**0.0336**		**120.5115**	**120.5115**	**5.2100e-003**		**120.6417**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**30.0642**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0317	0.2698	5.7000e-004	0.0575	4.8000e-004	0.0580	0.0153	4.4000e-004	0.0157		56.2387	56.2387	2.4300e-003		56.2994
Total	**0.0350**	**0.0317**	**0.2698**	**5.7000e-004**	**0.0575**	**4.8000e-004**	**0.0580**	**0.0153**	**4.4000e-004**	**0.0157**		**56.2387**	**56.2387**	**2.4300e-003**		**56.2994**

Watsonville975MainStreet - Santa Cruz County, Winter

Watsonville975MainStreet

Santa Cruz County, Winter

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**30.0642**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0317	0.2698	5.7000e-004	0.0575	4.8000e-004	0.0580	0.0153	4.4000e-004	0.0157		56.2387	56.2387	2.4300e-003		56.2994
Total	**0.0350**	**0.0317**	**0.2698**	**5.7000e-004**	**0.0575**	**4.8000e-004**	**0.0580**	**0.0153**	**4.4000e-004**	**0.0157**		**56.2387**	**56.2387**	**2.4300e-003**		**56.2994**

CalEEMod - Existing

CalEEMod – Construction

CalEEMod Inputs (Construction Run)

Name:	Watsonville, 975-1075 Main Street
Project Location:	975-1075 Main Street Watsonville, CA 95076
County/Air Basin:	Santa Cruz County/North Central Coast
Climate Zone:	4
Land Use Setting:	Urban
Operational Year:	2020
Utility Company:	Monterey Bay Community Power

Total Site Acreage:	3.05
Disturbed Site Acreage:	2.66

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Square Feet	
Restaurant w/ drive-thru	Recreational	Fast Food Restaurant with Drive Thru	5.60	1000 sqft	0.13	5,600	
Restaurant	Recreational	High Turnover Sit-Down Restaurant	3.90	1000 sqft	0.09	3,900	
Shopping Center	Retail	Strip Mall	10.50	1000 sqft	0.24	10,500	20,000
Parking Lot	Parking	Parking Lot	64.90	1000 sqft	1.49	64,897	
Landscaping	Parking	Other Non-Asphalt Surfaces	31.15	1000 sqft	0.72	0	
					2.66	**84,897**	

Even though the mix is different, construction emissions are based on 20,000 SQFT of new development

Demolition Haul

Component	Amount to be Demolished (SQFT)	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)*	Haul Distance (miles)*	Total Trip Ends**	Duration (days)	Trips Ends/Day**
Asphalt**	-	1,700	20	20	85	20	4.3
Buildings	21,578	993	20	20	50	20	3
		2,693			**135**	**20**	**7**

*CalEEMod Default.

**Asphalt tonnage provided by Client.

Architectural Coating

VOC Content	*CalEEMod Default
Interior Paint VOC content:	150
Exterior Paint VOC content:	150
Non-Residential Architectural Coating %	Provided by the Applicant. 10% of exterior finish building materials would be prefabricated/precoated.
Percentage of Buildings' Interior Painted:	100%
135	90%

Structures	.and Use Square Fee	CalEEMod Paintable Surface Area Multiplier[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Restaurant w/ drive-thru	5,600	2	11,200	8,400	2,520
Restaurant	3,900	2	7,800	5,850	1,755
Shopping Center	10,500	2	21,000	15,750	4,725
		Non-Residential Totals	**19,000**	**30,000**	**9,000**
Parking Lot	64,897	0.06	3,894	-	3,894
		Striping Totals	**3,894**	**0**	**3,894**

Notes:

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

CalEEMod Construction Phase Inputs*

5-Day Work Week/8 hours per day

Phase 1	Phase Type	Start Date	End Date	CalEEMod Total Days	Total Days
Demolition	Demolition	10/1/2019	10/28/2019	20	27
Site Preparation	Site Preparation	10/29/2019	10/31/2019	3	2
Grading	Grading	11/1/2019	11/8/2019	6	7
Building Construction	Building Construction	11/9/2019	10/9/2020	240	335
Asphalt Paving	Asphalt Paving	9/14/2020	9/25/2020	10	11
Architectural Coating	Architectural Coating	9/26/2020	10/9/2020	10	13

Year	Start Date	End Date	Days
2019	10/1/2019	12/31/2019	66
2020	1/1/2020	10/9/2020	203
		Total	**269**

*Based on construction schedule CalEEmod defaults.

CalEEMod Construction Off-Road Equipment Inputs*
Phase

Equipment Type		Unit Amount	Hours /Day	HP	LF	Trips
Demolition						
Concrete/Industrial Saws	Concrete/Industrial Saws	1	8	81	0.73	
Rubber Tired Dozers	Rubber Tired Dozers	1	1	247	0.4	
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	3	6	97	0.37	
Water Truck**						4
Worker Trips						13
Site Preparation						
Graders	Graders	1	8	187	0.41	
Scrapers	Scrapers	1	8	328	0.48	
Tractor/Loader/Backhoes	Tractors/Loaders/Backhoes	1	7	97	0.37	
Water Truck**						4
Worker Trips						8
Grading						
Graders	Graders	1	1	187	0.41	
Rubber Tired Dozers	Excavators	1	8	247	0.4	
Tractor/Loader/Backhoe	Tractor/Loader/Backhoe	2	6	97	0.37	
Water Truck**						4
Worker Trips						10
Building Construction						
Cranes	Cranes	1	4	231	0.29	
Forklifts	Forklifts	2	6	89	0.2	
Generator Sets	Generator Sets	1	6	84	0.74	
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	1	6	97	0.37	
Welders	Welders	3	8	46	0.45	
Vendor Trips						14
Worker Trips						48
Paving						
Cement and Mortar Mixers	Cement and Mortar Mixers	1	6	9	0.56	
Pavers	Pavers	1	7	130	0.42	
Paving Equipment	Paving Equipment	1	6	137	0.36	
Rollers	Rollers	2	7	80	0.38	
Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	1	7	97	0.37	
Vendor Trips						
Worker Trips						15
Painting						
Air Compressors	Air Compressors	1	6	78	0.48	
Worker Trips						7

*CalEEMod defaults.

**Assume 4 vendor trips for water trucks.

Demo Haul Trip Calculation

*Conversion factors**

0.046	ton/SF
1.2641662	tons/cy
20	tons
15.820705	CY
0.7910352	CY/ton

Building Demolition Haul Trips (BSF and Haul Truck (CY) given)

BSF Demo	Tons/SF	Tons	Haul Truck (CY)	Haul Truck (Ton)	Round Trips	Total Trip Ends
21,578	0.046	992.588	16	20.00	50	99

*CalEEMod User's Guide Version 2016.3.2, Appendix A

CalEEMod Inputs--Operation

Name:	Watsonville, 975-1075 Main Street
Project Location:	975-1075 Main Street Watsonville, CA 95076
County/Air Basin:	Santa Cruz County/North Central Coast
Climate Zone:	4
Land Use Setting:	Urban
Operational Year:	2019
Utility Company:	Monterey Bay Community Power

Total Site Acreage: 3.05

Existing Components	Existing SQFT	Acreage	Employees	Business	Address
Restaurant	9,525	0.22	9	Taqueria Mundial	1075 Main
Market	8,158	0.19	9	Mi Ranchito	1039 Main
Auto Care Center	1,474	0.03	4	Street Scenes	1035 Main
Auto Care Center	2,421	0.06	4	JV Towing + Eclipse Window Tint	999 Main
Parking	77,738	1.78			
	21,578	2.28	**26**		

Existing CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Square Feet
Restaurant	Recreational	High Turnover Site Down Restaurant	9.53	1000 sqft	0.22	9,525
Grocery Store	Retail	Supermarket	8.16	1000 sqft	0.19	8,158
Retail	Retail	Auto Care Center	3.90	1000 sqft	0.09	3,895
Parking Lot	*Parking*	*Parking Lot*	*77.738*	*1000 sqft*	*1.78*	*77,738*
					2.28	**21,578**

Carbon Intensity of Electricity for Proposed Project

CO_2**	CH_4**	N_2O**	CO_2e
lbs/Mwh	lbs/Mwh	lbs/Mwh	lbs/Mwh
0.00	0.000000	0.000000	0.00

**Global Warming Potentials from the Climate Change 2007, IPCC Fourth Assessment Report (AR4).*

***Monterey Bay Community Power, Power Mix. Accessed April 4, 2019. https://www.mbcommunitypower.org/our-power-mix/.*

Trip Generation

Source: Institute of Transportation Engineers. 2018. Trip Generation Manual, 10th Edition.

Weekday

	TSF	ITE Trips	Internal and Passby Trip Reductions	With Passby and Internal Trip Reductions	CalEEMod Rate
Restaurant (ITE Code 931)	9.53	796	44%	446	46.82
Market (ITE Code 851)	8.16	6,174	36%	3,951	484.31
Auto Care Center (ITE Code 942)	3.90	90	0%	90	23.11
	TOTAL	7,060		4,487	23

Saturday

	TSF	ITE Trips	With Passby and Internal Trip Reductions	CalEEMod Rate
Restaurant (ITE Code 931)	CO2e	855	479	50.29
Market (ITE Code 851)	lbs/Mwh	8,782	5,620	688.89
Auto Care Center (ITE Code 942)	0.00	90	90	23.11
	TOTAL	9,727	6,189	

Sunday**

	TSF	ITE Trips	With Passby and Internal Trip Reductions	CalEEMod Rate
Restaurant (ITE Code 931)	0.00	855	479	50.29
Market (ITE Code 851)	0.00	8,782	5,620	688.89
Auto Care Center (ITE Code 942)	0.00	90	90	23.11
	TOTAL	9,727	6,189	

** *Based on the Saturday rates.*

Energy Use

Existing buildings were constructed prior to the 2005 Building Energy Efficiency Standards; and therefore, the "historic" rates in CalEEMod, which are based on the 2005 Standards, were used to estimate existing building energy use.

Solid Waste *CalEEMod Default

Water Use *CalEEMod Default

Septic Tank	0%
Aerobic	100%
Facultative Lagoons	0%

Architectural Coating

Interior Paint VOC content:	100
Exterior Paint VOC content:	150
Non-Residential Architectural Coating	
Percentage of Buildings' Interior Painted:	100%
Percentage of Buildings' Exterior Painted:	100%

Table 1 Trip Generation Rates

Land Use	Unit	Day	Trip Generation[1] Daily	Pass-by Rates[2]
Restaurant (931)	TSF	Weekday	83.84	44%
	TSF	Weekend	90.04	44%
Market (851)	TSF	Weekday	762.28	36%
	TSF	Weekend	1084.17	36%
Auto Care Center 1 (942)	TSF	Weekday[2]	23.72	0%
	TSF	Weekend	23.72	0%
Auto Care Center 2 (942)	TSF	Weekday[2]	23.72	0%
	TSF	Weekend	23.72	0%

[1] Trip generation rates from ITE 10th Edition

[2] Passby rates from Trip Generation Handbook 3rd Edition Appendix E

Monterey Bay Community Power Carbon Intensity Factor Calculator

All non-residential customers were automatically enrolled in MBCP's MBchoice service offering beginning March 1, 2018. MBCP procures electricity from carbon-free sources such as solar, wind, and hydroelectric. In addition to being carbon-free, MBCP does not use power produced from nuclear energy or any fossil-based sources.

The project team calculated a custom electricity emissions factor for Monterey Bay Community Power (MBCP) by consulting the most recent data from the US EPA's Emissions & Generation Resource Integrated Database (eGRID). This database includes records of GHG emissions and power generation by all power plants in the United States. Using this information, the team determined the electricity emissions factor for all power plants within California by fuel source, since it is not feasible to identify the specific power plants that supply MBCP. The team consulted MBCP's Power Mix, which identifies the percent of MBCP's electricity generated by various fuel sources. MBCP's Power Mix was provided online in place of the supplier's Power Content Label which becomes available October 1, 2019. Using the average emissions factor for power plants by fuel source, in combination with MBCP Power Mix, the team was able to calculate an emissions factor that accurately reflects MBCP's particular sources of electricity.

$MTCO_2e$			$MTCO_2e/kWh$
Source	**Percent**	**Adjusted percent**	**Emission factor**
Coal	0.00%	0.00%	0.00052518
Large hydro	70.00%	70.00%	0.00000000
Natural gas	0.00%	0.00%	0.00040027
Nuclear	0.00%	0.00%	0.00000000
Oil	0.00%	0.00%	0.00061190
Other/unspecified	0.00%	0.00%	0.00042800
Biomass	0.00%	0.00%	0.00006741
Geothermal	0.00%	0.00%	0.00008747
Small hydro	0.00%	0.00%	0.00000000
Solar	15.00%	15.00%	0.00000000
Wind	15.00%	15.00%	0.00000000
	100.00%	100.00%	

	MTCO2e/kWh
Emission factor	**0.000000000**
Calculation check	0.000000000

MTCO2e/MWh
0.0000000000

lbsCO2e/MWh
0.000

Monterey Bay Community Power Carbon Intensity Factor Calculator

All non-residential customers were automatically enrolled in MBCP's MBchoice service offering beginning March 1, 2018. MBCP procures electricity from carbon-free sources such as solar, wind, and hydroelectric. In addition to being carbon-free, MBCP does not use power produced from nuclear energy or any fossil-based sources.

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$MTCO_2$			$MTCO_2$/kWh
Source	**Percent**	**Adjusted percent**	**Emission factor**
Coal	0.00%	0.00%	0.000525182
Large hydro	70.00%	70.00%	0
Natural gas	0.00%	0.00%	0.000400274
Nuclear	0.00%	0.00%	0
Oil	0.00%	0.00%	0.0006119
Other/unspecified	0.00%	0.00%	0.00042508
Biomass	0.00%	0.00%	6.7393E-05
Geothermal	0.00%	0.00%	8.74747E-05
Small hydro	0.00%	0.00%	0
Solar	15.00%	15.00%	0
Wind	15.00%	15.00%	0
	100.00%	100.00%	

	MTCO2/kWh
Emission factor	**0.0000000000**

MTCO2/MWh

0.000000000000

lbsCO2/MWh

0.000

Monterey Bay Community Power Carbon Intensity Factor Calculator

All non-residential customers were automatically enrolled in MBCP's MBchoice service offering beginning March 1, 2018. MBCP procures electricity from carbon-free sources such as solar, wind, and hydroelectric. In addition to being carbon-free, MBCP does not use power produced from nuclear energy or any fossil-based sources.

The project team calculated a custom electricity emissions factor for Monterey Bay Community Power (MBCP) by consulting the most recent data from the US EPA's Emissions & Generation Resource Integrated Database (eGRID). This database includes records of GHG emissions and power generation by all power plants in the United States. Using this information, the team determined the electricity emissions factor for all power plants within California by fuel source, since it is not feasible to identify the specific power plants that supply MBCP. The team consulted MBCP's Power Mix, which identifies the percent of MBCP's electricity generated by various fuel sources. MBCP's Power Mix was provided online in place of the supplier's Power Content Label which becomes available October 1, 2019. Using the average emissions factor for power plants by fuel source, in combination with MBCP Power Mix, the team was able to calculate an emissions factor that accurately reflects MBCP's particular sources of electricity.

$MTCH_4$			$MTCO_4$/kWh
Source	**Percent**	**Adjusted percent**	**Emission factor**
Coal	0.00%	0.00%	5.89676E-12
Large hydro	70.00%	70.00%	0
Natural gas	0.00%	0.00%	7.52558E-12
Nuclear	0.00%	0.00%	0
Oil	0.00%	0.00%	2.00932E-11
Other/unspecified	0.00%	0.00%	0.00000005
Biomass	0.00%	0.00%	2.51224E-10
Geothermal	0.00%	0.00%	0
Small hydro	0.00%	0.00%	0
Solar	15.00%	15.00%	0
Wind	15.00%	15.00%	0
	100.00%	100.00%	

	MTCH4/kWh
Emission factor	**0.000000000000**

MTCH4/MWh
0.0000000000000000
lbsCH4/MWh
0.000000

Monterey Bay Community Power Carbon Intensity Factor Calculator

All non-residential customers were automatically enrolled in MBCP's MBchoice service offering beginning March 1, 2018. MBCP procures electricity from carbon-free sources such as solar, wind, and hydroelectric. In addition to being carbon-free, MBCP does not use power produced from nuclear energy or any fossil-based sources.

The project team calculated a custom electricity emissions factor for Monterey Bay Community Power (MBCP) by consulting the most recent data from the US EPA's Emissions & Generation Resource Integrated Database (eGRID). This database includes records of GHG emissions and power generation by all power plants in the United States. Using this information, the team determined the electricity emissions factor for all power plants within California by fuel source, since it is not feasible to identify the specific power plants that supply MBCP. The team consulted MBCP's Power Mix, which identifies the percent of MBCP's electricity generated by various fuel sources. MBCP's Power Mix was provided online in place of the supplier's Power Content Label which becomes available October 1, 2019. Using the average emissions factor for power plants by fuel source, in combination with MBCP Power Mix, the team was able to calculate an emissions factor that accurately reflects MBCP's particular sources of electricity.

MTN_2O			MTN_2O/kWh
Source	**Percent**	**Adjusted percent**	**Emission factor**
Coal	0.00%	0.00%	8.61834E-12
Large hydro	70.00%	70.00%	0
Natural gas	0.00%	0.00%	8.14808E-13
Nuclear	0.00%	0.00%	0
Oil	0.00%	0.00%	3.97229E-12
Other/unspecified	0.00%	0.00%	0.00
Biomass	0.00%	0.00%	3.29476E-11
Geothermal	0.00%	0.00%	0
Small hydro	0.00%	0.00%	0
Solar	15.00%	15.00%	0
Wind	15.00%	15.00%	0
	100.00%	100.00%	

	MTN2O/kWh
Emission factor	**0.000000000**

MTN2O/MWh
0.00000000000000000
lbsN2O/MWh
0.00000000

Emission Factor Calculator

Select GWPs	AR4

CO_2	1
CH_4	25
N_2O	298

Fuel type	MWh generated	lbs CO_2/kWh	lbs CH_4/kWh	lbs N_2O/kWh	lbs CO_2e/kWh	$MTCO_2e$/kWh
Biomass	4,754,601	0.148575	0.000001	0.000000	0.148610	0.000067
Coal	325,958	1.157816	0.000000	0.000000	1.157822	0.000525
Gas	84,035,036	0.882443	0.000000	0.000000	0.882444	0.000400
Geothermal	11,104,158	0.192847	0.000000	0.000000	0.192847	0.000087
Hydro	25,140,892	0.000000	0.000000	0.000000	0.000000	-
Nuclear	18,907,578	0.000000	0.000000	0.000000	0.000000	-
Oil	120,698	1.348996	0.000000	0.000000	1.349000	0.000612
Solar	17,486,623	0.009991	0.000000	0.000000	0.009991	0.000005
Wind	11,337,510	0.000000	0.000000	0.000000	0.000000	-
Other	5,422,246					0.000428

AR2

AR4

AR5

	AR2	AR4	AR5
CO_2	1	1	1
CH_4	21	25	28
N_2O	310	298	265

kWh per MWh	1,000
kWh per GWh	1,000,000
lbs per MT	2204.6

Changes to the CalEEMod Defaults - Fleet Mix 2019

Trips 0

Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.601	0.03912	0.18646	0.10977	0.01612	0.00497	0.01225	0.01984	0.00205	0.0016	0.00539	0.00062	0.00081	100%
Trips	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	83%			11%	6%									100%
without buses/MH	0.601004	0.039123	0.186461	0.109772	0.016124	0.004965	0.012251	0.019838	0	0	0.005388	0.000000	0	99%
Percent	83%			11%	5%									99%
Adjusted without buses/MH	0.601004	0.039123	0.186461	0.109772	0.017663	0.005439	0.013420	0.021731	0.000000	0.000000	0.005902	0.000000	0.000000	
Percent check	83%			11%	6%									100%
Assumed Mix	97.0%			2.00%	1.00%									100%
adjusted with Assumed	**0.700277**	**0.045585**	**0.217260**	**0.020000**	**0.003032**	**0.000934**	**0.002304**	**0.003730**	**0.000000**	**0.000000**	**0.006877**	**0.000000**	**0.000000**	**100%**
Trips	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent check	97%			2%	1%									
Check	*0*			*0*	*0*									

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles that the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

CalEEMod Operational Worksheet

Existing 2018

Winter

Mitigated Operational

Category	lb/day	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area		1	0	0	0	0	0
Energy		0	1	1	0	0	0
Mobile		17	66	226	0	37	10
Total		18	67	227	0	37	10

Summer

Mitigated Operational

Category	lb/day	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area		1	0	0	0	0	0
Energy		0	1	1	0	0	0
Mobile		18	60	212	0	36	10
Total		19	61	213	0	37	10

Highest Summer/Winter

Mitigated Operational

Category	lb/day	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area		1	0	0	0	0	0
Energy		0	1	1	0	0	0
Mobile		18	66	226	0	37	10
Total		19	67	227	0	37	10
MBARD Threshold		137	137	550	150	82	55
Exceed Threshold		No	No	No	No	No	No

CalEEMod Construction Worksheet

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
lb/day										
2019	3	26	18	0	7	1	8	3	1	4
2020	33	31	30	0	1	2	2	0	2	2
Maximum	33	31	30	0	7	2	8	3	2	4
MBARD Threshold	137	137	550	150	NA	NA	82	NA	NA	55
Exceed Threshold	No	No	No	No	NA	NA	No	NA		No

CalEEMod - GHG Worksheet

Existing 2019

Mitigated Operational

Category	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	MT/yr					
Area	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	125	125	0	0	126
Mobile	0.00	5,777	5,777	0	0	5,786
Waste	35.39	0	35	2	0	88
Water	1.51	0	2	0	0	3
Total	36.90	5,902	5,939	2	0	6,002

Construction

	CO2e
Year 2020	91
Year 2021	294
Total	386
30-Year Amortized Construction	13
MBARD 75% Market Capture Threshold	2,000
Exceeds Threshold	No

Energy Calcs

Existing

5.2 Energy by Land Use - NaturalGas

Land Use	NaturalGas Use kBTU/yr
Automobile Care Center	113,929
High Turnover (Sit Down Restaurant)	2,022,060
Parking Lot	0
Supermarket	206,887
Total	2,342,876

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use kWh/yr
Automobile Care Center	36,730
High Turnover (Sit Down Restaurant)	334,613
Parking Lot	68,409
Supermarket	355,281
Total	795,033

Energy (Natural Gas and Electricity) Summary

	kBTU/yr Natural Gas	kWh/yr Electricity
Existing	2,342,876	795,033

Existing buildings were constructed prior to the 2005 Building Energy Efficiency Standards; and therefore, the "historic" rates in CalEEMo

Source: California Emissions Estimator Model (CalEEMod), Version 2016.3.2.25.

ɔd, which are based on the 2005 Standards, were used to estimate existing building energy use.

APPENDIX B

BIOLOGICAL RESOURCES ASSESSMENT

APPENDIX B1:
BIOLOGICAL RESOURCES ASSESSMENT

975 and 1035 Main Street
Watsonville, CA 95682
Biological Resource Assessment

Prepared By

Hunting Environmental LLC
3606 Cambridge Rd
CameronPark CA 95682

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Chapter 1. Introduction

The proposed redevelopment project (Project) is in Watsonville California. The Project Site is an existing commercial/ industrial paved site adjacent to Watsonville Slough. Most of the project activities will occur within the existing paved site. A small portion will extend off paved area into adjacent ruderal grassland. The purpose of this Biological Resources Assessment is to describe the existing biological environment of the project site, describe any effects that the project action could have on sensitive biotic resources, and identify any mitigation measures that could reduce the magnitude of these effects.

1.1. Project Description

The Project site consists of a 3.05-acre site that is currently improved with three retail buildings totaling approximately 21,500 square feet and associated paved parking areas. The site is situated along the south side of Main Street at the intersection of Auto Center Drive and Main Street.

The applicant will replace the three existing structures with a new 20,000 square foot shopping center that will contain a mix of retail, restaurant, and drive through uses. The new center is comprised of three separate buildings. Building 1 is a 2,800 square foot single tenant space with a drive through, Building 2 fronts Main Street and is a 9,600 square foot multi-tenant building, and Building 3 is a 7,600 square foot multi-tenant building with a drive through.

1.2. Project Location

The Project is located in southwestern Watsonville (Figure 1). More specifically, the Project Area is located at 975 and 1035 Main Street, Watsonville CA and is defined by Assessor's Parcel Numbers (APNs) 018-261-14 and 018-261-29 and It falls within the Watsonville West U.S. Geological Survey (USGS) 7.5-minute quadrangle.

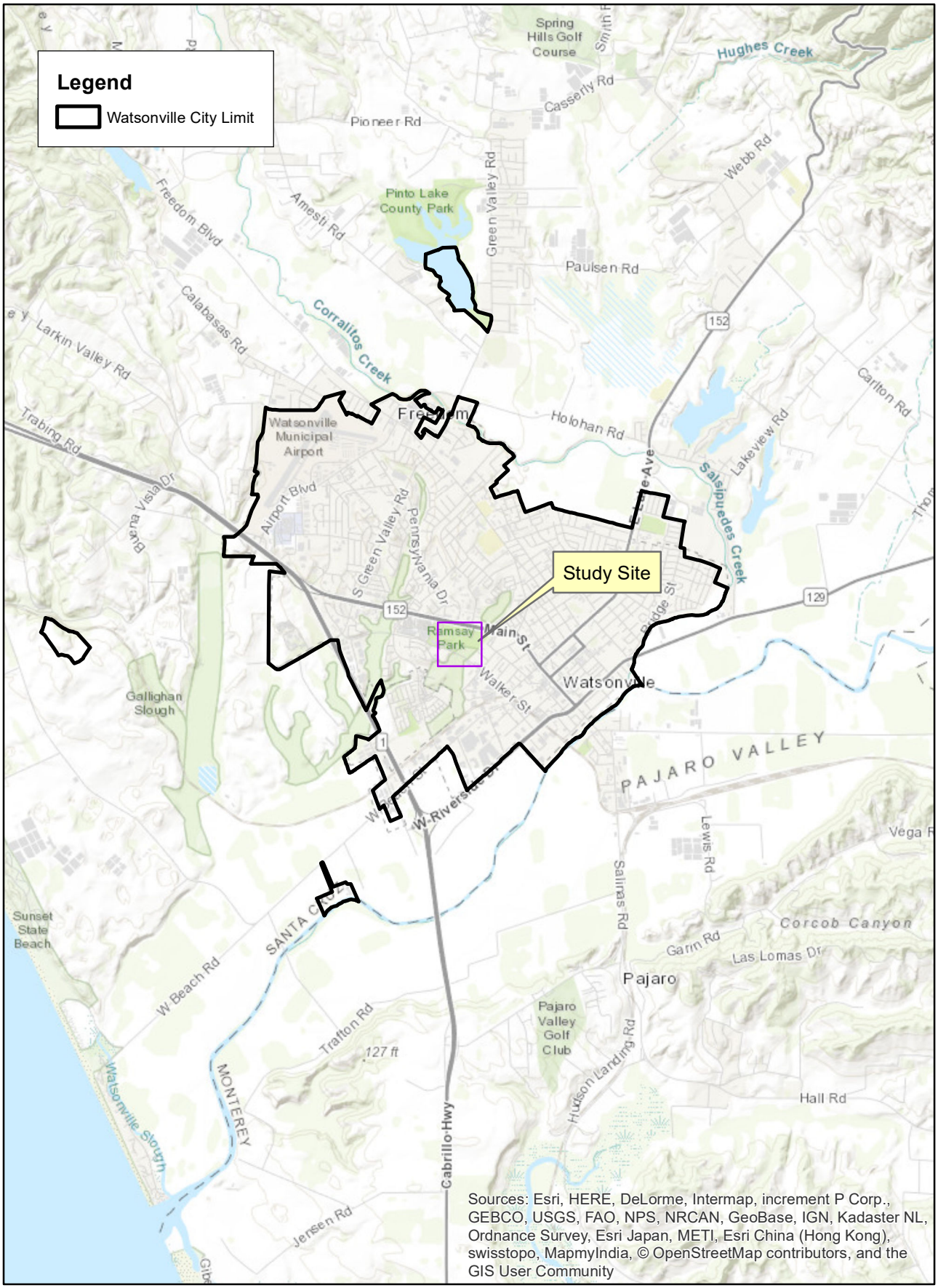
1.3. Project Study Area

The Project Study Area (PSA) encompasses approximately 25 acres. The PSA is bound by Main Street on the north and Harkins Slough Road on the south and contains the Project Site as well as a portion of Watsonville Slough bounded by these roads (**Figure 1**).

1.4. Project Setting

1.4.1. Topography

The 28-acre PSA is comprised of the Project Site that is located on a minor bluff overlooking the Watsonville Slough, and the, with elevations ranging between 40 and 20 feet above mean sea level (amsl).



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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

N

Figure 1
Location Map

1.4.2. Hydrology

Watsonville Slough drains the other sloughs within in and west of Watsonville CA. The Watsonville Slough starts along Ramsay Park in Watsonville, passes under Main Street, Harkins Slough Road under Highway 1, passes over Lee Road, and under San Andreas Road. It meets the Pajaro River near the beach at Monterey Bay (**Figure 2**).

Watsonville Slough, in the Project Study Area (**Figure 3**), contains a seasonal floodplain, detention basin, and intermittent creek (low flow channel). The intermittent creek in the Study Area is a headwater of the Watsonville Slough, and in the Study Area, occurs approximately 0.25 miles southwest from the origins of the creek (**Figure 4**).

Appendix A presents Riparian Corridor Study.

1.4.3. Soils

The Natural Resources Conservation Service's (NRCS) Web Soil Survey identifies three soil types in the PSA (**Figure 5**). Each soil type described below is based on the map unit descriptions and hydric soils ratings obtained from the Web Soil Survey. Hydric soils ratings describe the proportion of map units that meet the hydric soils criteria (NRCS 2017).

Aquents, flooded

The Aquents, flooded component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on beaches, valleys. The parent material consists of organic material and/or alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 10 inches during January, February, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Clear Lake clay, drained, 0 to 1 percent slopes, MLRA 14

The Clear Lake, drained component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on basin floors on valleys. The parent material consists of basin alluvium derived from igneous, metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is very high. This soil is rarely flooded. It is frequently ponded. A seasonal zone of water saturation is at 36 inches during January, February. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. Irrigated land capability classification is 2w. This soil meets hydric criteria. There are no saline horizons within



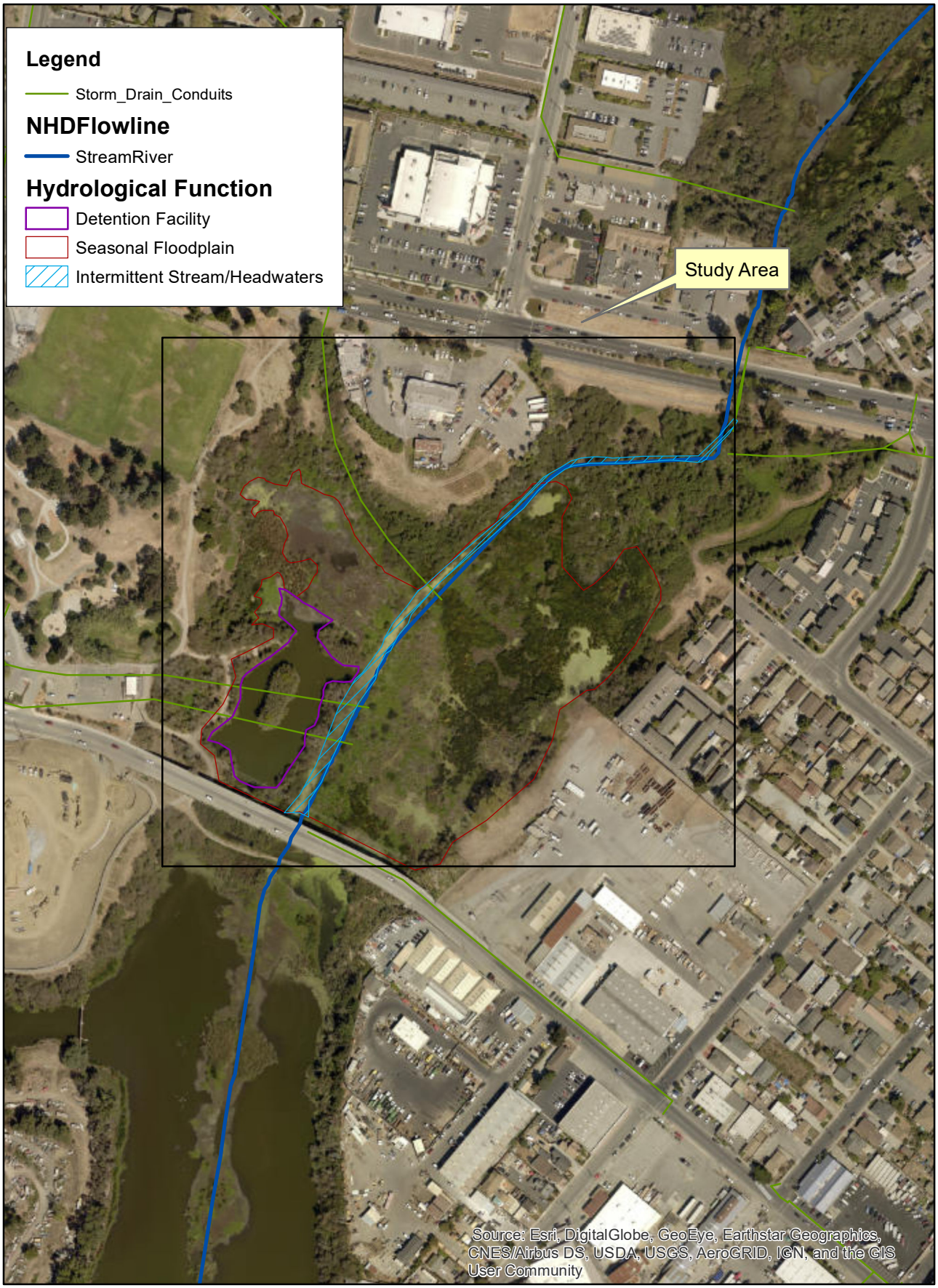
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HUNTING ENVIRONMENTAL

1 inch = 400 feet

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Figure
Project Study Area



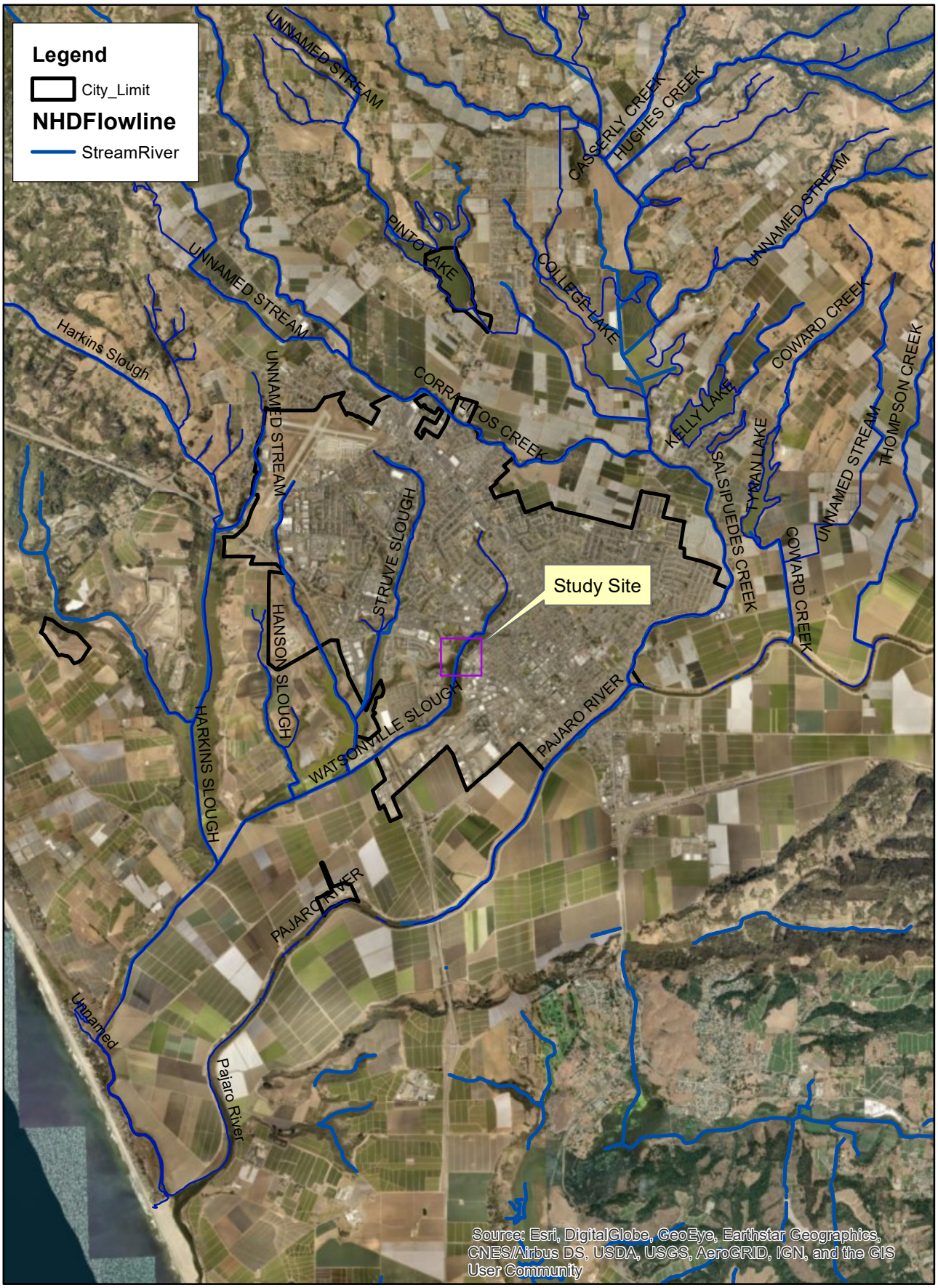
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H.E. HUNTING ENVIRONMENTAL

1 inch = 400 feet

N

Figure 3
Hydrological Function



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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

N

Figure 2
Watsonville Slough
Watershed View

30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Conejo loam, 0 to 2 percent slopes, cool, MLRA 14
Quents

The Conejo component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans on valleys, stream terraces on valleys. The parent material consists of alluvium derived from igneous, metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3c. Irrigated land capability classification is 1 This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

1.4.4. Climate

Local climate data was obtained from the National Oceanic and Atmospheric Administration (NOAA) (2019) online weather data for the Watsonville Waterworks station. The PSA is characterized by a cool-summer Mediterranean climate with cool, relatively wet winters and mild, dry summers, Average annual rainfall is 22.42 inches, with measurable precipitation falling on an average of 61 days each year. The wettest year on record was 1983 with 48.35 inches and the driest year was 1976 with 10.66 inches. The most rainfall in one month was 15.99 inches in February 1998. The most rainfall in 24 hours was 5.93 inches on February 14, 2000.

Chapter 2. Regulatory Setting

This section identifies the environmental review and consultation requirements, as well as permits and approvals that must be obtained from local, state, and federal agencies before implementation of the proposed Project.

2.1. Federal

2.1.1. Endangered Species Act

The Endangered Species Act of 1973 (FESA), as amended, provides protective measures for federally listed threatened and endangered species, including their habitats, from unlawful take (16 United States Code [USC] Sections 1531–1544). FESA defines "take" to mean "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct." Title 50, Part 222, of the Code of Federal Regulations (50 CFR Section 222) further defines "harm" to include "an act which actually kills or injures fish or wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures fish or wildlife by significantly impairing essential behavioral patterns including feeding, spawning, rearing, migrating, feeding, or sheltering."

FESA Section 7(a)(1) requires federal agencies to utilize their authority to further the conservation of listed species. FESA Section 7(a)(2) requires consultation with the US Fish and Wildlife Service (USFWS) and/or the National Marine Fisheries Service (NMFS) if a federal agency undertakes, funds, permits, or authorizes (termed the federal nexus) any action that may affect endangered or threatened species, or designated critical habitat. For projects that may result in the incidental take of threatened or endangered species, or critical habitat, and that lack a federal nexus, a Section 10(a)(1)(b) incidental take permit can be obtained from the USFWS and/or the NMFS.

2.1.2. Clean Water Act

The basis of the Clean Water Act (CWA) was established in 1948; however, it was referred to as the Federal Water Pollution Control Act. The act was reorganized and expanded in 1972 (33 USC Section 1251), and the CWA became the act's commonly used name. The basis of the CWA is the regulation of pollutant discharges into waters of the United States, as well as the establishment of surface water quality standards.

2.1.2.1. SECTION 404

CWA Section 404 (33 USC Section 1344) established the program to regulate the discharge of dredged or fill material into waters of the United States, including wetlands. Under this regulation,

certain activities proposed within waters of the United States require the obtainment of a permit prior to initiation. These activities include, but are not limited to, placement of fill for the purposes of development, water resource projects (e.g., dams and levees), infrastructure development (e.g., highways and bridges), and mining operations.

The program's primary objective is to ensure that the discharge of dredge or fill material is not permitted if a practicable alternative to the proposed activities exists that results in less impact to waters of the United States, or the proposed activity would result in significant adverse impacts to waters of the United States. To comply with these objectives a permittee must document the measures taken to avoid and minimize impacts to waters of the United States and provide compensatory mitigation for any unavoidable impacts.

The US Environmental Protection Agency (EPA) and the USFWS are assigned roles and responsibilities in the administration of this program; however, the US Army Corps of Engineers (USACE) is the lead agency in the administration of day-to-day activities, including issuance of permits. The agencies will typically assert jurisdiction over the following waters: (1) traditional navigable waters (TNW); (2) wetlands adjacent to TNWs; (3) relatively permanent waters (RPW) that are non-navigable tributaries to TNWs and have relatively permanent flow or seasonally continuous flow (typically three months); and (4) wetlands that directly about RPWs. Case-by-case investigations are usually conducted by the agencies to ascertain their jurisdiction over waters that are non-navigable tributaries and do not contain relatively permanent or seasonal flow, wetlands adjacent to the aforementioned features, and wetlands adjacent to but not directly abutting RPWs (USACE 2007). Jurisdiction is not generally asserted over swales or erosional features (e.g., gullies or small washes characterized by low volume/short duration flow events) or ditches constructed wholly within and draining only uplands that do not have relatively permanent flows.

The extent of jurisdiction within waters of the United States that lack adjacent wetlands is determined by the ordinary high-water mark (OHWM). The OHWM is defined in 33 CFR Section 328.3(e) as the "line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas." Wetlands are further defined under 33 CFR Section 328.3 and 40 CFR Section 230.3 as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" and typically include "swamps, marshes, bogs, and similar areas." The 1987 Corps Wetland Delineation Manual (1987 Manual) sets forth a standardized methodology for delineating the extent of wetlands under federal jurisdiction (Environmental Laboratory 1987).

The 1987 Manual outlines three parameters that all wetlands, under normal circumstances, must contain positive indicators for to be considered jurisdictional. These parameters include (1) wetland hydrology, (2) hydrophytic vegetation, and (3) hydric soils (Environmental Laboratory

1987). In 2006, the USACE issued a series of Regional Supplements to address regional differences that are important to the functioning and identification of wetlands. The supplements present "wetland indicators, delineation guidance, and other information" that is specific to the region. The USACE requires that wetland delineations submitted after June 5, 2007, be conducted in accordance with both the 1987 Manual and the applicable supplement.

2.1.2.2. SECTION 401

Under CWA Section 401 (33 USC Section 1341), federal agencies are not authorized to issue a permit and/or license for any activity that may result in discharges to waters of the United States unless a state or tribe where the discharge originates either grants or waives CWA Section 401 certification. CWA Section 401 provides states or tribes with the ability to grant, grant with conditions, deny, or waive certification. Granting certification, with or without conditions, allows the federal permit/license to be issued and remain consistent with any conditions set forth in the CWA Section 401 certification. Denial of the certification prohibits the issuance of the federal license or permit, and waiver allows the permit/license to be issued without state or tribal comment. Decisions made by states or tribes are based on the proposed Project's compliance with EPA water quality standards as well as applicable effluent limitations guidelines, new source performance standards, toxic pollutant restrictions, and any other appropriate requirements of state or tribal law. In California, the State Water Resources Control Board (SWRCB) is primary regulatory authority for CWA Section 401 requirements (additional details below).

2.1.3. Migratory Bird Treaty Act

Migratory birds are protected under the Migratory Bird Treaty Act (MBTA) of 1918 (16 USC Sections 703–711). The act makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed in 50 CFR Section 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR Section 21). Much of the birds found in the Project vicinity are protected under the act.

2.2. State

2.2.1. California Endangered Species Act

Under the California Endangered Species Act (CESA), the California Department of Fish and Wildlife (CDFW) has the responsibility for maintaining a list of endangered and threatened species (California Fish and Game Code (FGC) Section 2070). The CDFW also maintains a list of "candidate species," which are species formally noticed as being under review for potential addition to the list of endangered or threatened species, and a list of "species of special concern," which serve as a species "watch lists."

Pursuant to the requirements of CESA, an agency reviewing a proposed Project within its jurisdiction must determine whether any state-listed endangered or threatened species may be

present and determine whether the proposed Project will have a potentially significant impact on such species. In addition, the CDFW encourages informal consultation on any proposed Project that may impact a candidate species.

Project-related impacts to species on the CESA endangered or threatened list would be considered significant. State-listed species are fully protected under the mandates of CESA. Take of protected species incidental to otherwise lawful management activities may be authorized under FGC Section 206.591. Authorization from the CDFW would be in the form of an incidental take permit.

2.2.2. California Fish and Game Code

2.2.2.1. STREAMBED ALTERATION AGREEMENT

State and local public agencies are subject to FGC Section 1602, which governs construction activities that will substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake designated as waters of the state by the CDFW. Under FGC Section 1602, a discretionary Streambed Alteration Agreement must be issued by the CDFW to the Project proponent prior to the initiation of construction activities within lands under CDFW jurisdiction. As a general rule, this requirement applies to any work undertaken within the 100-year floodplain of a stream or river containing fish or wildlife resources.

2.2.2.2. NATIVE PLANT PROTECTION ACT

The Native Plant Protection Act (FGC Sections 1900–1913) prohibits the taking, possessing, or sale within the state of any plants with a state designation of rare, threatened, or endangered (as defined by the CDFW. An exception in the act allows landowners, under specified circumstances, to take listed plant species, provided that the owners first notify the CDFW and give that state agency at least 10 days to retrieve the plants before they are plowed under or otherwise destroyed (FGC Section 1913). Project impacts to these species are not considered significant unless the species are known to have a high potential to occur within the area of disturbance associated with construction of the proposed Project.

2.2.2.3. BIRDS OF PREY

Under FGC Section 3503.5, it is unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto.

2.2.2.4. FULLY PROTECTED SPECIES

California statutes also afford "fully protected" status to a number of specifically identified birds, mammals, reptiles, and amphibians. These species cannot be taken, even with an incidental take

permit. FGC Section 3505 makes it unlawful to take "any aigrette or egret, osprey, bird of paradise, goura, numidi, or any part of such a bird." FGC Section 3511 protects from take the following fully protected birds: (a) American peregrine falcon (*Falco peregrinus anatum*); (b) brown pelican (*Pelecanus occidentalis*); (c) California black rail (*Laterallus jamaicensis coturniculus*); (d) California clapper rail (*Rallus longirostris obsoletus*); (e) California condor (*Gymnogyps californianus*); (f) California least tern (*Sterna albifrons browni*); (g) golden eagle (Aquila chrysaetos); (h) greater sandhill crane (*Grus canadensis tabida*); (i) light-footed clapper rail *(Rallus longirostris levipes*); (j) southern bald eagle (*Haliaeetus leucocephalus leucocephalus)*; (k) trumpeter swan (Cygnus buccinator); (l) white-tailed kite (*Elanus leucurus*); and (m) Yuma clapper rail (*Rallus longirostris yumanensis*).

FGC Section 4700 identifies the following fully protected mammals that cannot be taken: (a) Morro Bay kangaroo rat (*Dipodomys heermanni morroensis*); (b) bighorn sheep (*Ovis canadensis*), except Nelson bighorn sheep (subspecies *Ovis canadensis nelsoni*); (c) Guadalupe fur seal (*Arctocephalus townsendi*); (d) ring-tailed cat (genus *Bassariscus*); (e) Pacific right whale (*Eubalaena sieboldi)*; (f) salt-marsh harvest mouse (*Reithrodontomys raviventris*); (g) southern sea otter (*Enhydra lutris nereis*); and (h) wolverine (*Gulo gulo*).

FGC Section 5050 protects from take the following fully protected reptiles and amphibians: (a) blunt-nosed leopard lizard (*Crotaphytus wislizenii silus*); (b) San Francisco garter snake (*Thamnophis sirtalis tetrataenia*); (c) Santa Cruz long-toed salamander (*Ambystoma macrodactylum croceum*); (d) limestone salamander (*Hydromantes brunus*); and (e) black toad (*Bufo boreas exsul*).

FGC Section 5515 also identifies certain fully protected fish that cannot lawfully be taken even with an incidental take permit: (a) Colorado River squawfish (*Ptychocheilus lucius*); (b) thicktail chub (*Gila crassicauda*); (c) Mohave chub (*Gila mohavensis*); (d) Lost River sucker (*Catostomus luxatus*); (e) Modoc sucker (*Catostomus microps*); (f) shortnose sucker (*Chasmistes brevirostris*); (g) humpback sucker *(Xyrauchen texanus)*; (h) Owens River pupfish *(Cyprinoden radiosus*); (i) unarmored threespine stickleback (*Gasterosteus aculeatus williamsoni*); and (j) rough sculpin (*Cottus asperrimus*).

2.2.3. California Wetlands and Other Water Policies

The SWRCB and its various departments do not authorize or approve Projects that fill or otherwise harm or destroy coastal, estuarine, or inland wetlands. Exceptions may be granted if all of the following conditions are met:

- The Project is water-dependent.
- No other feasible alternative is available.
- The public trust is not adversely affected.

- Adequate compensation is proposed as part of the Project.

2.2.3.1. PORTER-COLOGNE WATER QUALITY CONTROL ACT

Porter-Cologne Water Quality Control Act of 1966 (California Water Code Section 13000 et seq.; California Code of Regulations Title 23, Chapter 3, Subchapter 15) is the primary state regulation that addresses water quality. The requirements of the act are implemented at the state level by the SWRCB and at the local level by the Regional Water Quality Control Board (RWQCB). The RWQCB carries out planning, permitting, and enforcement activities related to water quality in California. The act provides for waste discharge requirements and a permitting system for discharges to land or water. RWQCB certification is required for activities that can affect water quality.

2.2.3.2. DELEGATED PERMIT AUTHORITY

California has been delegated permit authority for the National Pollutant Discharge Elimination System (NPDES) permit program and CWA Section 401, including stormwater permits and water quality certifications for all areas except tribal lands. Issuance of CWA Section 404 dredge and fill permits remains the responsibility of the USACE; however, the State actively uses its CWA Section 401 certification authority to ensure CWA Section 404 permits are in compliance with state water quality standards.

2.2.3.3. STATE DEFINITION OF COVERED WATERS

Under California state law, "waters of the state" means "any surface water or groundwater, including saline waters, within the boundaries of the state." Therefore, water quality laws apply to both surface water and groundwater. After the US Supreme Court decision in Solid Waste Agency of Northern Cook County v. US Army Corps of Engineers, the Office of Chief Counsel of the SWRCB released a legal memorandum confirming the State's jurisdiction over isolated wetlands. The memorandum stated that under the California Porter-Cologne Water Quality Control Act (Porter-Cologne), discharges to wetlands and other waters of the state are subject to state regulation, and this includes isolated wetlands. In general, the SWRCB regulates discharges to isolated waters in much the same way as it does for waters of the United States, using the Porter-Cologne Act rather than Clean Water Act authority.

2.3. Nongovernmental Agency

2.3.1. California Native Plant Society

The California Native Plant Society (CNPS) is a nongovernmental agency that classifies native plant species according to current population distribution and threat level. The data is utilized by the CNPS to create and maintain a list of native California plants that have low numbers or limited distribution or are otherwise threatened with extinction. This information is published in the

Inventory of Rare and Endangered Plants of California (CNPS 2017). Potential impacts to populations of CNPS-listed plants receive consideration under CEQA review.

The following identifies the definitions of the CNPS listings:

List 1A: Plants believed to be extinct

List 1B: Plants that are rare, threatened, or endangered in California and elsewhere

List 2B: Plants that are rare, threatened, or endangered in California but are more numerous elsewhere

All of the plant species on Lists 1 and 2 meet the requirements of the Native Plant Protection Act Section 1901, Chapter 10, or FGC Section 2062 and Section 2067 and are eligible for state listing. Plants appearing on List 1 or 2 are considered to meet the criteria of CEQA Section 15380, and effects on these species are considered "significant." Plants on List 3 (plants about which more information is needed) and/or List 4 (plants of limited distribution), as defined by the CNPS, are not currently protected under state or federal law. Therefore, no detailed descriptions or impact analysis was performed on species containing these classifications.

2.4. Local

City of Watsonville Wetland/Riparian Buffer Policy

For projects proposed within- and adjacent to streams, the City regulates development within riparian corridor buffer according to the City's Municipal Code 7-6.152. The riparian corridor is defined as follows:

1) An area extending fifty 50 ft, measured horizontally, from each side of a perennial stream. Distance shall be measured from the top of the existing bankfull flowline;

2) An area extending 30 ft, measured horizontally, from each side of an intermittent stream. Distance shall be measured from the top of the existing bankfull flowline; or

3) An area extending 30 ft from the high-water mark of a marsh or a natural body of standing water

City of Watsonville Tree Protection Policies

The City claims jurisdiction over all trees growing along public streets (City Municipal Code, Chapter 7-11). Trimming and removing these "protected" trees requires authorization through a permit issued by the Director of Public Works. In addition, an individual tree or a cluster of trees with special character, historical, and/or aesthetic value may be designated as a "historical" via a resolution of either the City Council or Planning Commission.

Chapter 3. Study Methods

This section describes the survey methods used to collect data on biological resources on and in the vicinity of the SOIA Area-PC.

3.1. Studies Required

Pedestrian surveys were conducted across the Project Site, and Watsonville Slough (where accessible). Aerial photography interpretation, literature reviews and database searches were conducted to inform the identification of habitat present within the PSA.

Bankfull width was determined through evaluations of available historic aerial photographs correlated with precipitation data.

3.1.1. Literature Review

A list of special-status species and habitats that have the potential to occur within the PSA or in the vicinity was prepared using information provided by the USFWS Information for Planning and Conservation (IPaC) (2019), the USFWS Critical Habitat Portal (2019), the CDFW's California Natural Diversity Database (CNDDB) (2019), and the CNPS's Inventory of Rare and Endangered Plants of California (2019).

A search of the USFWS's Critical Habitat Portal database and IPaC System was performed for the PSA to identify federally protected species and their habitats that may be affected by the proposed Project. In addition, a CNDDB search was performed for the Watsonville West, California USGS 7.5-minute quadrangle to identify special-status species under their jurisdiction that may be affected by the proposed Project. Lastly, the CNPS database was queried to identify special-status plant species with the potential to occur within the aforementioned USGS quadrangle. Please see **Appendix B** for the raw data returned from the database queries.

3.1.2. Impact Assessment

The impact assessment is based on the design plans and information provided in the project description; the biological and regional setting; and federal, state, and local regulatory requirements regarding impacts to biological resources. In addition, the impact analysis used data collected from the literature review, habitat assessment, habitat mapping, and jurisdictional delineation. When information about the presence of a particular special-status species is unknown, but suitable habitat is present, the impact analysis takes a conservative approach by inferring presence of special-status species within the PSA until preconstruction or protocol-level surveys determine otherwise. Impact acreages are based on preliminary designs, and impacts may change as plans become finalized. Impacts to specific biological resources are identified



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HUNTING ENVIRONMENTAL

1 inch = 400 feet

N

Figure 5
Soils

Chapter 4. Biological Setting

This chapter describes the existing biological conditions of the PSA.

4.1. Vegetative Communities

Vegetative communities are assemblages of plant species that occur in the same area and are defined by species composition and relative abundance. The PSA is characterized by four vegetative communities: urban/disturbed, Riparian woodland, and aquatic features (**Figure 5**). The PSA is characterized by two vegetative communities: urban/disturbed and cropland. Table 1 presents the acreage of each. The project site is highly degraded due to current land uses. Surrounding natural vegetation is also degraded assumed due to several homeless encampments, **Appendix C** presents photos documenting

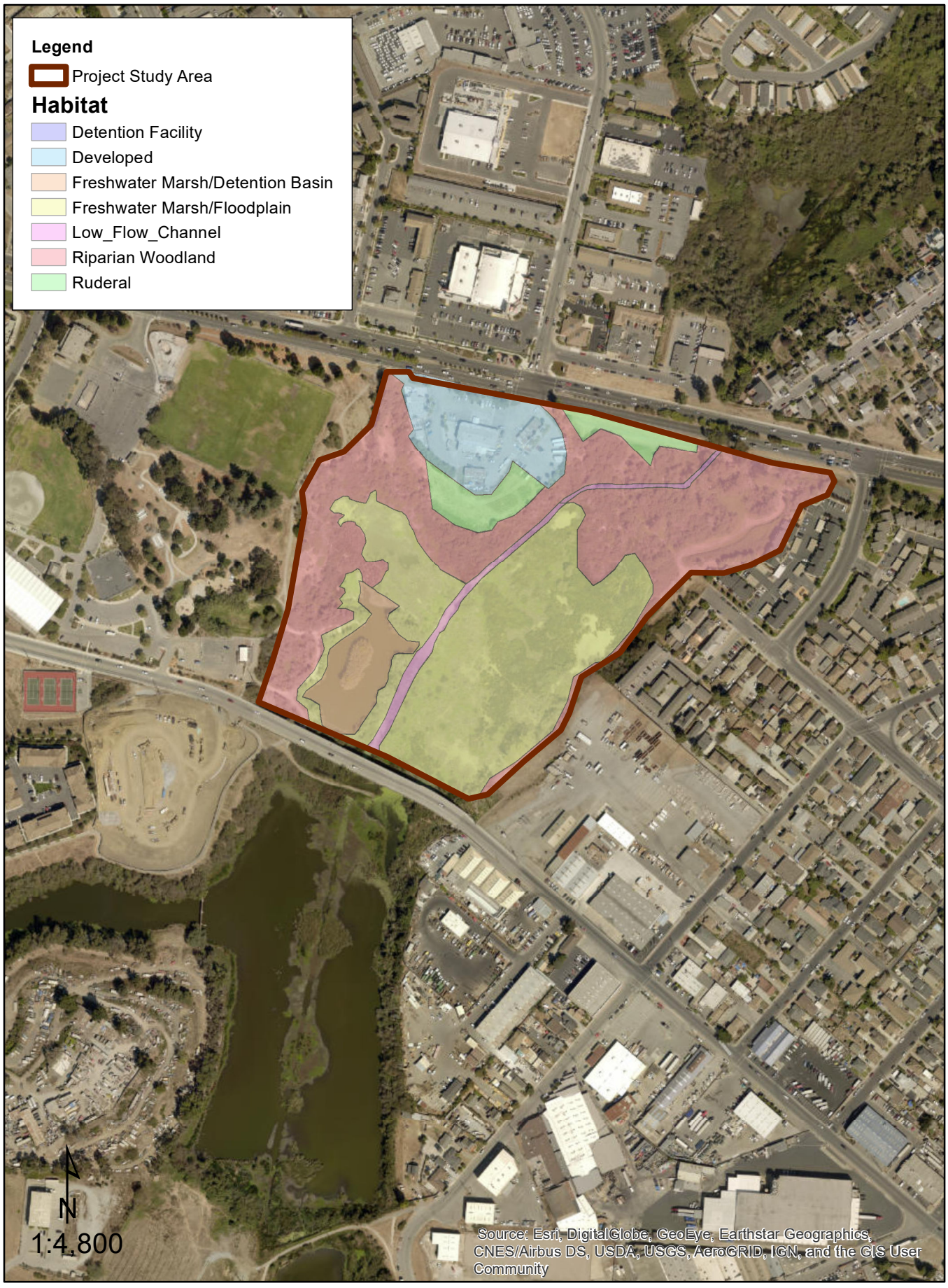
Table 1. Habitat Types and Acreage in PSA

Habitat Type	Acreage
Developed	2.7
Freshwater Marsh/Detention Basin	1.5
Freshwater Marsh/Floodplain	10.2
Low_Flow_Channel (Slough)	1.2
Riparian Woodland	11.3
Ruderal	1.4
Sum	**28.3**

4.1.1. Developed/ Ruderal

Urban communities are classified as areas that have been heavily modified by humans, including roadways, existing buildings, and structures, as well as recreation fields, lawns, and landscaped vegetation found in residential yards. Because of the high degree of disturbance in these areas, they generally have low habitat value for wildlife; however, migratory birds may find limited nesting and foraging opportunities in trees and shrubs scattered throughout urban areas.

Typically, the species composition in urban areas consists of a mix of native and non-native trees, shrubs, flowers, and turf grass. Common landscape trees in the PSA include valley oak (*Quercus lobata*), redwoods (*Sequoia sempervirens*), eucalyptus (*Eucalyptus* sp.), various pines (*Pinus* sp.), and ornamentals. Wildlife adapted to living in heavily urbanized areas includes common raccoon (*Procyon lotor*), Virginia opossum (*Didelphis virginiana*), striped skunk (*Mephitis mephitis*), black rat (*Rattus rattus*), American crow (*Corvus brachyrhyncos*), mourning dove (*Zenaida macroura*), house finch (*Carpodacus mexicanus*), cliff swallow (*Hirundo pyrrhonota*), northern mockingbird (*Mimus polyglottus*), and common ground dove (*Columbina passerina*).



H.E. HUNTING ENVIRONMENTAL

Figure 6
Habitat

4.1.2. Low-Flow-Channel (Freshwater Slough)

Along the northern and eastern edges of the Study Area, the limit of the freshwater slough was demarcated by the OHW line, which is defined as "the line on the shore established by the fluctuations of water and indicated by physical characteristics, such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation or the presence of litter and debris" (Title 33, Code of Federal Regulations, Part 328.3). The examination of physical evidence of surface flow in the stream channel, presence of clearly defined banks and benches, changes in plant communities and soil characteristics, matted vegetation, drift deposits, and water staining on leaves, allowed for the identification of the OHW line. The freshwater slough habitat was mapped in areas of open water that are devoid of vegetation.

4.1.3. Freshwater Marsh/Floodplain/Detention Basin

In the PSA, freshwater marsh occurs adjacent to the sough bankfull width of Watsonvile Slough. These communities develop in locations with slow-moving or stagnant shallow water such as drainage corridors in association with intermittent and perennial drainages but can also occur as seeps or in areas with adequate hydrology that result in a dominance of. hydrophytic (water-loving) vegetation. The wetland plant community is dominated by strongly hydrophytic species, such as cattails (Typha sp.)

Wildlife species that inhabit smaller marshes, especially those that can make use of the dense are common in this habitat. These include of red-winged blackbirds (*Agelaius phoeniceus*) song sparrow (*Melospiza melodia*) and marsh wren (*Cistothorus palustris*), which nest and forage throughout these areas and in adjacent riparian woodland vegetation.

4.1.4. Riparian Woodland with Ornamentals

Dominant tree species include Oregon ash (Fraxinus latifolia), Fremont cottonwood (*Populus fremontii*), and valley oak (*Quercus lobata*). Dominant shrubs include California button willow (Cephalanthus occidentalis), Himalayan blackberry *(Rubus discolor*), narrowleaf willow (*Salix exigua*), poison oak *(Toxicodendron diversilobum*) coyotebrush (*Baccharis pilularis*), and wild grape (*Vitis californica*). Several ornamental Eucalyptus (Eucalyptus globulus) occur.

Riparian communities are important for wildlife because of their high floristic and structural diversity, high biomass (and therefore high food abundance), and high-water availability. In addition to providing breeding, foraging, and roosting habitat for a diverse array of animals, riparian communities provide movement corridors for wildlife, connecting a variety of habitats throughout a region. The leaf litter, fallen tree branches, and logs associated with the riparian communities in the study areas provide cover for the long-toed slender salamander (*Ambystoma macrodactylum*), western toad, and Pacific chorus frog (*Pseudacris regilla*). The western fence lizard, western skink, and southern alligator lizard are also expected to occur here, as are several

snake species, including the western rattlesnake, yellow-bellied racer (Coluber constrictor), and common kingsnake *(Lampropeltis getulus*).

Common bird species that nest and/or forage in riparian areas include the chestnut-backed chickadee (*Poecile rufescens*), bushtit (*Psaltriparus minimus*), white-breasted nuthatch (*Sitta carolinensis*), Nuttall's woodpecker (*Picoides nuttallii*), downy woodpecker (*Picoides pubescens*), spotted towhee, song sparrow (*Melospiza melodia*), Cooper's hawk (Accipiter cooperii), and western screech-owl (*Otus kennicottii*). A variety of mammals also occur in riparian communities. Small mammals, such as the Botta's pocket gopher (*Thomomys bottae*) and deer mouse, may burrow or find refuge in dense grass or brushy thickets. Black-tailed deer frequently use riparian habitats, and predators, such as the raccoon (*Procyon lotor*), Virginia opossum (Didelphis virginiana), long-tailed weasel (*Mustela frenata*), and coyote, are attracted to riparian areas by the abundance of prey and cover.

4.1.5. Special-Status Species

Candidate, sensitive, or special-status species are commonly characterized as species that are at potential risk or actual risk to their persistence in a given area or across their native habitat. These species have been identified and assigned a status ranking by governmental agencies such as the CDFW and the USFWS, and private organizations such as the CNPS. The degree to which a species is at risk of extinction is the determining factor in the assignment of a status ranking. Some common threats to a species' or a population's persistence include habitat loss, degradation, and fragmentation, as well as human conflict and intrusion. For the purposes of this BRA, special-status species are defined by the following codes:

- Listed, proposed, or candidates for listing under FESA (50 CFR Section 17.11 – listed; 61 Federal Register Section 7591, February 28, 1996, candidates)
- Listed or proposed for listing under CESA (FGC 1992 Section 2050 et seq.; 14 California Code of Regulations (CCR) Section 670.1 et seq.)
- Designated as Species of Special Concern by the CDFW
- Designated as Fully Protected by the CDFW (FGC Sections 3511, 4700, 5050, 5515)
- Species that meet the definition of rare or endangered under CEQA (14 CCR Section 15380), including CNPS List 1 and 2

The USFWS, CNDDB, and CNPS queries identified several special-status species that could be present in the PSA. **Figure 6 and 7** depicts CNDDB occurrence data within 5 miles of the PSA. **Figure 8** depicts CNDDB occurrence data within 1 mile of the PSA. **Table 2** provides a summary of all species identified in the database queries, a description of the habitat present in the PSA and Project Site (**Table 2**).

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Legend

- Project Site
- Five-Mile Buffer

CNDDB Records

CNAME

- American badger
- bank swallow
- California red-legged frog
- California tiger salamander
- Cooper's hawk
- foothill yellow-legged frog
- globose dune beetle
- mimic tryonia (=California brackishwater snail)
- monarch - California overwintering population
- northern California legless lizard
- obscure bumble bee
- tidewater goby
- tricolored blackbird
- western bumble bee
- western pond turtle

N

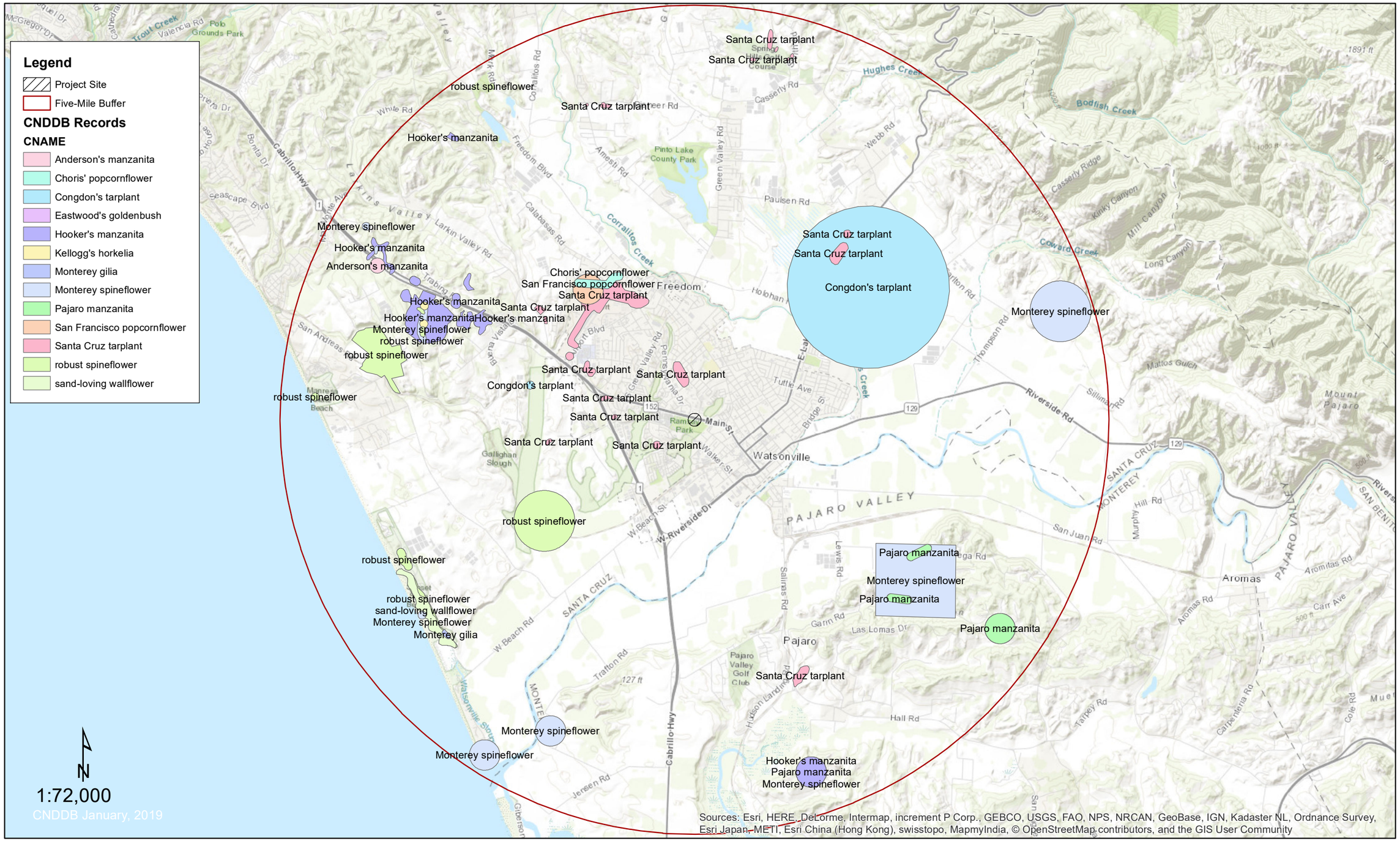
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CNDDB January, 2019

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

HUNTING ENVIRONMENTAL

Figure 7
Occurrence
Data



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HUNTING ENVIRONMENTAL

Figure 8
Plant Occurrence
Data

Table 2. Database Search Results

Scientific Name	Common Name	FED / STATE [1]	GRANK/ SRANK[2]	CNPS Rank [1]	CDFW STATUS[1]	Habitat/Potential Presence
Animal						
Agelaius tricolor	tricolored blackbird	-/CE	G2G3/ S1S2		SSC	Breeds near fresh water, preferably in emergent wetland with tall, dense cattails or tules, but also in thickets of willow, blackberry, wild rose, tall herbs. Feeds in grassland and cropland habitats. Breeds locally in northeastern California.
Ambystoma californiense	California tiger salamander	T/T	G2G3/ S2S3		WL	The California tiger salamander is most commonly found in annual grassland habitat, but also occurs in the grassy understory of valley-foothill hardwood habitats, and uncommonly along stream courses in valley-foothill riparian habitats. **Habitat is not present in PSA.**
Ambystoma macrodactylum croceum	Santa Cruz long-toed salamander	E/E	G5T1T2/ S1S2		FP	Chaparral, coast live oak woodland, Monterey pine, and riparian habitats where small mammal burrows are present. **Habitat is not present in PSA.**
Anniella pulchra (nigra?)	northern California legless lizard	-	G3/S3		SSC	Coastal dune habitats with native dune plants such as bush lupine and mock heather. **Habitat is not present in PSA.**
Emys marmorata	western pond turtle	-	G3G4/S3		SSC	Associated with permanent or nearly permanent water in a wide variety of habitat types. **Habitat is present in PSA but not in Project Site.**
Eucyclogobius newberryi	tidewater goby	E/-	G3/S3		SSC	Coastal lagoons and the uppermost brackish zone of larger estuaries. **Habitat is not present in PSA.**
Rana boylii	foothill yellow-legged frog	-/CT	G3/S3		SSC	Partially shaded shallow streams and riffles with a rocky substrate. Occurs in a variety of habitats in coast ranges. **Habitat is not present in PSA.**
Rana draytonii	California red-legged frog	T/-	G2G3/ S2S3		SSC	Streams, freshwater pools, and ponds with emergent or overhanging vegetation. **Habitat is present in PSA but not in Project Site.**
Riparia riparia	bank swallow	-/T	G5/S2		-	A neotropical migrant found primarily in riparian and other lowland habitats in California west of the deserts during the

Scientific Name	Common Name	FED / STATE [1]	GRANK/ SRANK[2]	CNPS Rank [1]	CDFW STATUS[1]	Habitat/Potential Presence
						spring-fall period. A spring and fall migrant in the interior, less common on coast; an uncommon and very local summer resident. Casual in southern California in winter; a few winter records along central coast to San Mateo Co. In summer, restricted to riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with fine-textured or sandy soils, into which it digs nesting holes. **Nesting habitat is not present in PSA.**
Taxidea taxus	American badger	-	G5/S3		SSC	Uncommon, permanent resident found throughout most of the state, except in the northern North Coast area (Grinnell et al. 1937). Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Not common in urban environments. **Nesting habitat is not present in PSA.**
			Plant			
Arctostaphylos andersonii	Anderson's manzanita	-	G2/S2	1B.2	-	Found in openings and edges of broad-leafed upland forest, chaparral north coast coniferous forest. **Habitat is not present in PSA.**
Centromadia parryi ssp. congdonii	Congdon's tarplant	-	G2/S2	1B.1	-	Valley and foothill grassland (alkaline). **Habitat is not present in PSA.**
Ericameria fasciculata	Eastwood's goldenbush	-	G2/S2	1B.1	-	Sandy openings in chaparral (maritime), cismontane woodland, coastal dunes, coastal scrub. **Habitat is not present in PSA.**
Erysimum ammophilum	sand-loving wallflower	-	G2/S2	1B.2	-	Sandy, openings in chaparral (maritime), coastal dunes, coastal scrub. **Habitat is not present in PSA.**
Gilia tenuiflora ssp. arenaria	Monterey gilia	E/T	G3G4T2/S2	1B.2	-	Sandy, openings in chaparral (maritime), cismontane woodland, coastal dunes, coastal scrub. **Habitat is not present in PSA.**
Holocarpha macradenia	Santa Cruz tarplant	T/T	G1/S1	1B.1	-	Found often clay, sandy areas in coastal prairie coastal scrub, valley and foothill grassland. **Habitat is not present in PSA.**
Horkelia cuneata var. sericea	Kellogg's horkelia	-	G4T1? / S1?	1B.1	-	Sandy or gravelly openings in closed cone coniferous forest, chaparral (maritime), coastal dunes, coastal scrub. **Habitat is not present in PSA.**

Scientific Name	Common Name	FED / STATE [1]	GRANK/ SRANK[2]	CNPS Rank [1]	CDFW STATUS[1]	Habitat/Potential Presence
Monolopia gracilens	woodland woollythreads	-	G3/S3	1B.2	-	Serpentine soils in broadleafed upland forest (openings), chaparral (openings) cismontane woodland, north coast coniferous forest (openings), valley and foothill grassland. **Habitat is not present in PSA.**
Plagiobothrys chorisianus var. chorisianus	Choris' popcornflower	-	G3T1Q/S1	1B.2	-	Mesic areas in mesic, chaparral coastal prairie, coastal scrub. **Habitat is not present in PSA.**
Plagiobothrys diffusus	San Francisco popcornflower	-/E	G1Q?S1	1B.1	-	Coastal prairie and valley and foothill grassland. **Habitat is not present in PSA.**

Key[1]
Federal & State Status
(FC) Federal Candidate
(FD) Federally Delisted
(FE) Federal Endangered
(FP) Fully Protected
(FT) Federal Threatened
(PT) Proposed Threatened
(SCE) State Candidate Endangered
(SCT) State Candidate Threatened
(SE) State Endangered
(SSC) State Species of Special Concern
(ST) State Threatened
CNPS Rare Plant Rank
Rareness Ranks
(1B) Rare, Threatened, or Endangered in California and Elsewhere
(2B) Rare, Threatened, or Endangered in California, But More Common Elsewhere
Global Ranking G1 = Critically Imperiled—At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors. G2 = Imperiled—At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.

Scientific Name	Common Name	FED / STATE [1]	GRANK/ SRANK[2]	CNPS Rank [1]	CDFW STATUS[1]	Habitat/Potential Presence

G3 = Vulnerable—At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
G4 = Apparently Secure—Uncommon but not rare; some cause for long-term concern due to declines or other factors.
G5 = Secure—Common; widespread and abundant. STATE RANKING The state rank (S-rank) is assigned much the same way as the global rank, but state ranks refer to the imperilment status only within California's state boundaries.
State Ranking
S1 = Critically Imperiled—Critically imperiled in the state because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
S2 = Imperiled—Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.
S3 = Vulnerable—Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the state.
S4 = Apparently Secure—Uncommon but not rare in the state; some cause for long-term concern due to declines or other factors.
S5 = Secure—Common, widespread, and abundant in the state

4.1.5.1. SPECIAL-STATUS WILDLIFE

Based on the results of the database queries, two special-status wildlife species have the potential to occur in the PSA but not on Project Site.

Each species considered in the impact analysis is described below, with descriptions based on data obtained from the CDFW's California Wildlife Habitat Relationships

California Red Legged Frog

The California red-legged frog occupies a fairly distinct habitat, combining both specific water (aquatic) and upland (terrestrial) components. California red-legged frog habitat includes nearly any area within 1-2 miles of a breeding site that stays moist and cool through the summer; this includes non-breeding aquatic habitat in pools of slow-moving streams, perennial or ephemeral ponds, and upland sheltering habitat such as rocks, small mammal burrows, logs, densely vegetated areas, and even, man-made structures (i.e. culverts, livestock troughs, spring-boxes, abandoned sheds).

Breeding sites are generally found in deep, still or slow-moving water (greater than 2.5 feet) and can have a wide range of edge and emergent cover amounts. California red-legged frogs can breed at sites with dense shrubby riparian or emergent vegetation, such as cattails, tules, or overhanging willows or can proliferate in ponds devoid of emergent vegetation and any apparent vegetative cover (i.e., stock ponds).

California red-legged frogs are currently threatened by loss of habitat from the growth of cities and suburbs, mining, overgrazing by cattle, invasion of nonnative plants, impoundments, water diversions, degraded water quality, and introduced predators, such as bullfrogs. The fragmentation of existing habitat and the continued colonization of existing habitat by nonnative species may represent the most significant current threats to California red-legged frogs.

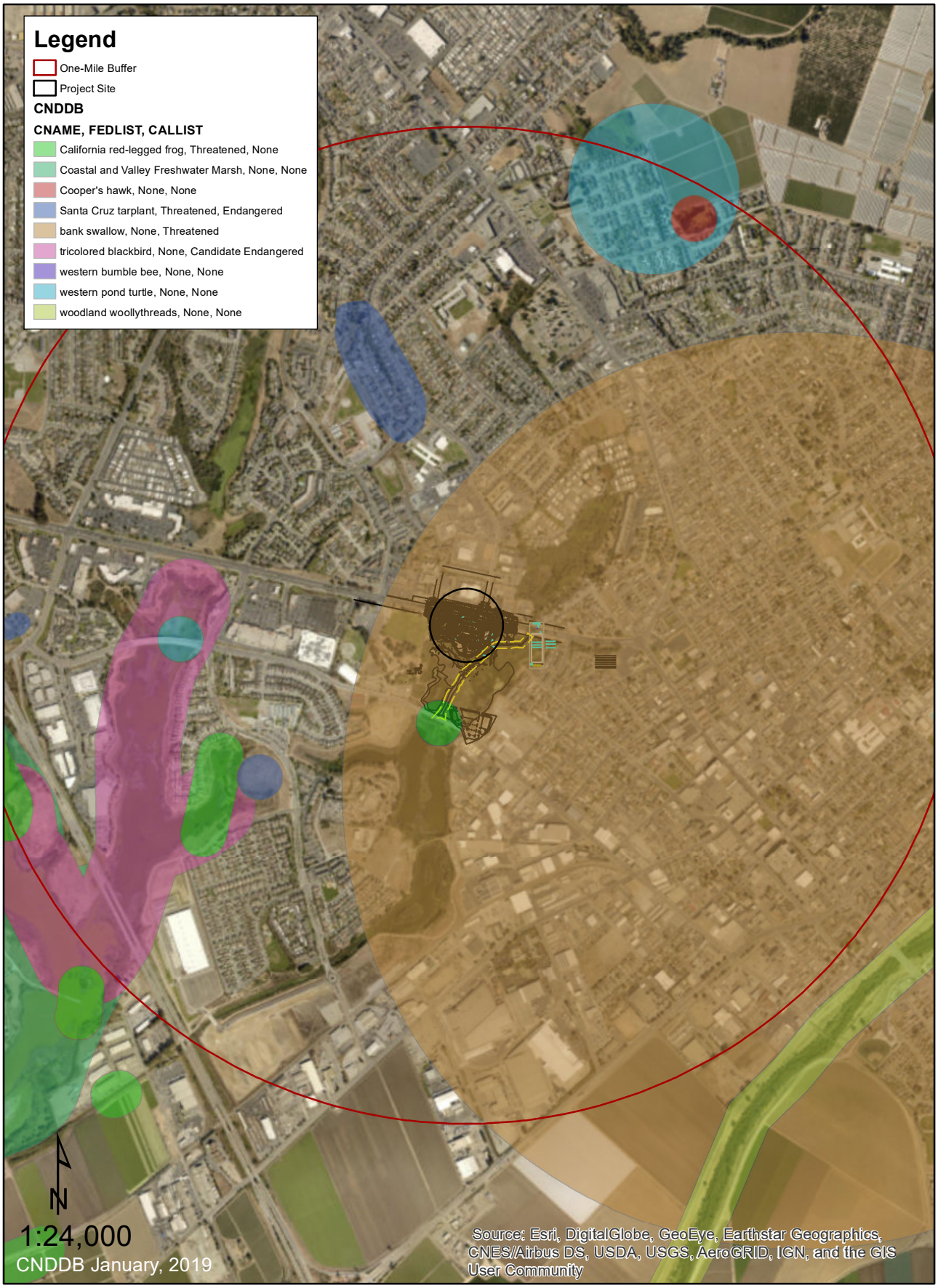
Western Pond Turtle

Western pond turtles occur in a variety of aquatic habitats from sea level to elevations of 6,500 feet. They are found in rivers, streams, lakes, ponds, wetlands, reservoirs, and brackish estuarine waters. Western pond turtles use aquatic habitats primarily for foraging, thermoregulation, and avoidance of predators. They prefer habitats with large areas for cover (logs, algae, vegetation) and basking sites (boulders or other substrates) and have been observed to avoid areas of open water lacking these habitat features. The turtles use basking sites for thermoregulation. Western pond turtles can be found in waters with temperatures as low as 34°F or as high as 102–104°F). Western pond turtles overwinter in both aquatic and terrestrial habitats. Aquatic refugia consist of rocks, logs, mud, submerged vegetation, and undercut areas along banks. Terrestrial overwintering habitat consists of burrows in leaf litter or soil. The presence of a duff layer seems to be a general characteristic of overwintering habitat.

Numerous factors, including loss, degradation, and fragmentation of habitat; disease; introduced predators and competitors; and other natural and anthropogenic conditions present ongoing threats to western pond turtle throughout 75–80% of its range.

4.1.6. Special-Status Plants

There were no special status plants identified that could be present in the PSA.



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Figure 9
Occurrence
Data

Chapter 5. Discussion of Impacts and Mitigation

This chapter discusses impacts to special-status natural communities and species with the potential to occur in the PSA. Avoidance and minimization measures are proposed to avoid or reduce

5.1. Standards of Significance

The impact analysis provided below is based on the following CEQA Guidelines Appendix G standards of significance: A complete Checklist is located in Appendix D

1) 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 CDFW or the USFWS.

2) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the CDFW or the USFWS.

3) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the CWA (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.

4) 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.

5) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

6) Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.

7) Reduce the number or restrict the range of an endangered, rare, or threatened plant or animal species or biotic community, thereby causing the species or community to drop below self-sustaining levels.

5.2. Methodology

The impact assessment below discusses impacts as a result of activities. The impact assessment was based on the Project description and design plans, information described in the Project and biological setting, and the standards of significance described above. In addition, the impact analysis is organized by the significance criteria noted above: special-status plant and wildlife

species, sensitive vegetation communities, federally protected wetlands, wildlife movement corridors, and compliance with local plans and policies, or existing habitat conservation plans. Each impact category includes a description of the specific potential impacts as well as avoidance, minimization, and mitigation measures that can potentially reduce and mitigate potentially significant impacts.

The species or species groups identified below were determined to have the potential to be substantially adversely affected by Project-related activities, either directly or through habitat modifications. Impacts to these species would be considered potentially significant. However, mitigation measures are presented below to reduce the potential impacts to a less than significant level.

5.2.1. Impact Analyses

Project-related activities will not result in substantial adverse effects, either directly or through habitat modifications, to aquatic special-status species (California red-legged frog and Western pond turtle).

Watsonville Slough is degraded in the vicinity if the project Site. There is a heavy trash load around the habitat edges including trails. Noise and lighting pollution occur at the Slough's interface with the surrounding urban environment. There are multiple stormwater discharge points into the Slough (likely with pesticide and herbicide contaminants. Therefore, the Slough does not likely provide habitat in or around the Project Site for California red-legged frog and Western pond turtle.

The paved and graded Project Site does not support habitat for aquatic species and is vertically separated from the Slough by six-10 feet. Should these species be present in the Slough It is unlikely that these species will enter the Project Site during construction. To minimize any possibility of species interaction with construction activities, the Applicant will install silt fencing or wildlife exclusion fencing prior to any vegetation removal or ground-disturbing activities

Project-related activities could result in effects to nesting migratory birds and raptors, including cooper's hawk, white-tailed kite, and loggerhead shrike, including nest failure and abandonment. The PSA contains habitat that supports birds (and their) nests) protected by the Migratory Bird Act and Fish and Game Code. All native breeding birds (except game birds during the hunting season), regardless of their listing status, are protected under the Migratory Bird Treaty Act. As a result, vegetation clearing during the nesting season could result in direct impacts to nesting birds should they be present. The removal of trees during the nesting season could potentially have a significant adverse effect on nesting raptors. Noise and other human activity may result in nest abandonment if nesting birds are present within 200 feet (500 feet for raptors) of a Project impact area.

Because of the presence of suitable habitat for these species, Project-related activities may result in adverse impacts should they be present in areas proposed for disturbance.

If clearing and commencement of construction activities occurs before or after the breeding season (September 1 – January 14) no action is required. If clearing and commencement of construction activities occur during the bird nesting season (January 15–August 31), preconstruction surveys to identify active migratory bird and raptor nests shall be conducted by a qualified biologist within three days of construction initiation in the project area and a 200-foot (500-foot for raptors) buffer. If no active nests are found, no further action is required. Surveys shall be repeated if construction activities are delayed or postponed for more than 30 days.

If active nest sites are identified within 200 feet (500 feet for raptors) of project activities, exclusionary buffers will be established for all active nest sites prior to commencement of any project-related activities. An exclusionary buffer constitutes an area where project-related activities (i.e., vegetation removal, earth moving, and construction) will not occur, and shall be imposed within 50 feet (250 feet for raptors) of any active nest sites until the nest is deemed inactive by a qualified biologist. Other buffers sizes can be instituted with approval of the California Department of Fish and Wildlife.

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Appendix A

HUNTING ENVIRONMENTAL

3606 Cambridge Road • Cameron Park, CA 95682
Office: (530) 387-7618 • Cell: (916) 501-2258
jhunting@huntenv.com

December 11, 2018

Eric Sobotka
Development Project Manager
BOOS DEVELOPMENT WEST, LLC.

Re: Retail/Restaurant Project (PP2017-116) located at 975 and 1035 Main Street – Watsonville, CA

Dear Mr. Sobotka

This letter report provides my findings regarding the applicable Riparian corridor category and hydrologic functions of features in the Watsonville Slough in and around 975 Main Street, Watsonville, CA (see Figure 1).

Watsonville Slough drains the other sloughs in and west of Watsonville CA. The Watsonville Slough starts along Ramsay Park in Watsonville, passes under Main Street, Harkins Slough Road under Highway 1, passes over Lee Road, and under San Andreas Road. It meets the Pajaro River near the beach at Monterey Bay (Figure 2).

Watsonville Slough, in the Study Area (Figure 3), contains a seasonal floodplain, detention basin, and intermittent creek (low flow channel). The intermittent creek in the Study Area is a headwater of the Watsonville Slough, and in the Study Area, occurs approximately 0.25 miles southwest from the origins of the creek (Figure 4).

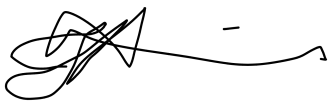
I evaluated available historic aerial photographs and associated precipitation data. Appendix A presents the historic aerials and dates of flights. Table 1 presents this data. As can be seen from this data, the segment of creek in the Study Area is dry in the months of May through December (except during non-normal rain events). The segment of creek in the Study Area flows consistently in the months of March and April.

Given these findings, the Riparian corridor category that applies for the study area per City of Watsonville Municipal Code Section 7-6.152 would be: (b) an area extending thirty (30') feet, measured horizontally, from each side of an intermittent stream. Distance shall be measured from the top of the existing bankfull flowline.

The Site and Setback Figure (Figure 5) was prepared using a plot of the existing bankfull flowline and 30-foot setback overlain with the site plan.

Please contact me at jhunting@huntenv.com with any questions or comments.

Regards,



Joyce Hunting
Principal

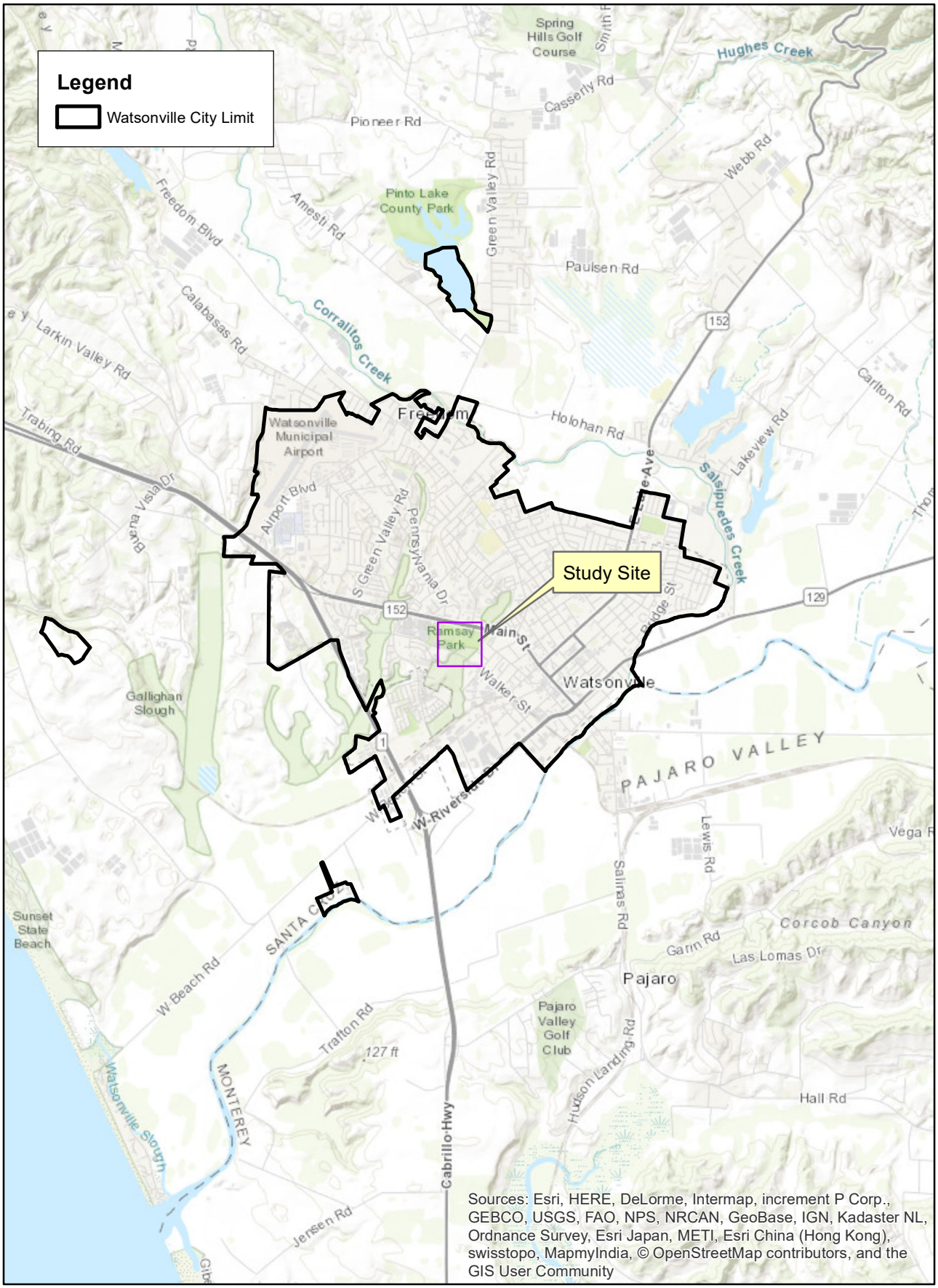
Table 1. Precipitation* and Creek Condition at time of Aerial Photo

Photo #	Day	Month	Year	Creek Condition	Precipitation Month/Year of Photo	Precipitation Prior Month of Photo	Max Daily Precipitation in Month/Year of Photo
1		2	2014	Dry	4.71	0.05	1.68
2		3	2005	Wet	3.93	4.05	1.45
3		3	2009	Wet	1.49	5.12	0.57
4		3	2015	Wet	0.67	2.23	0.48
5		4	2013	Wet	0.6	0.59	0.21
6		4	2016	Wet	0.63	7.59	0.23
7		5	2006	Wet	0.61	4.27	0.56
8		5	2010	Dry	0.22	2.53	0.12
9		5	2011	Dry	1.52	0.57	0.47
10	3	5	2012	Wet	0.04	3.01	0.03
11	9	5	2018	Dry	0.06	2.2	0.03
12		6	2007	Dry	0	0.1	0
13		6	2009	Dry	0	0.27	0
14		8	2004	Dry	0.01	0.08	0.01
15		8	2006	Dry	0	0	0
16		8	2009	Dry	0	0	0
17		9	2008	Dry	0	0.01	0
18	29	9	2009	Dry	0.05	0	0.05
19	30	9	2009	Dry	0.05	0	0.05
20	30	9	2010	Dry	0	0.01	0
21	1	9	2017	Dry	0.18	0	0.06
22		10	2004	Dry	1.98	0.01	0.95
23	31	10	2011	?	1.96	0.03	1.15
24		11	2003	Dry	1.94	0.44	0.39
25		11	2008	Dry	0.94	0.32	0.54
26		11	2006	Dry	1.03	0.09	0.46
27		12	2006	Dry	5.48	1.89	2.41

Wet Previous Month Wet

Major One Day Event

* From Watsonville Municipal Station

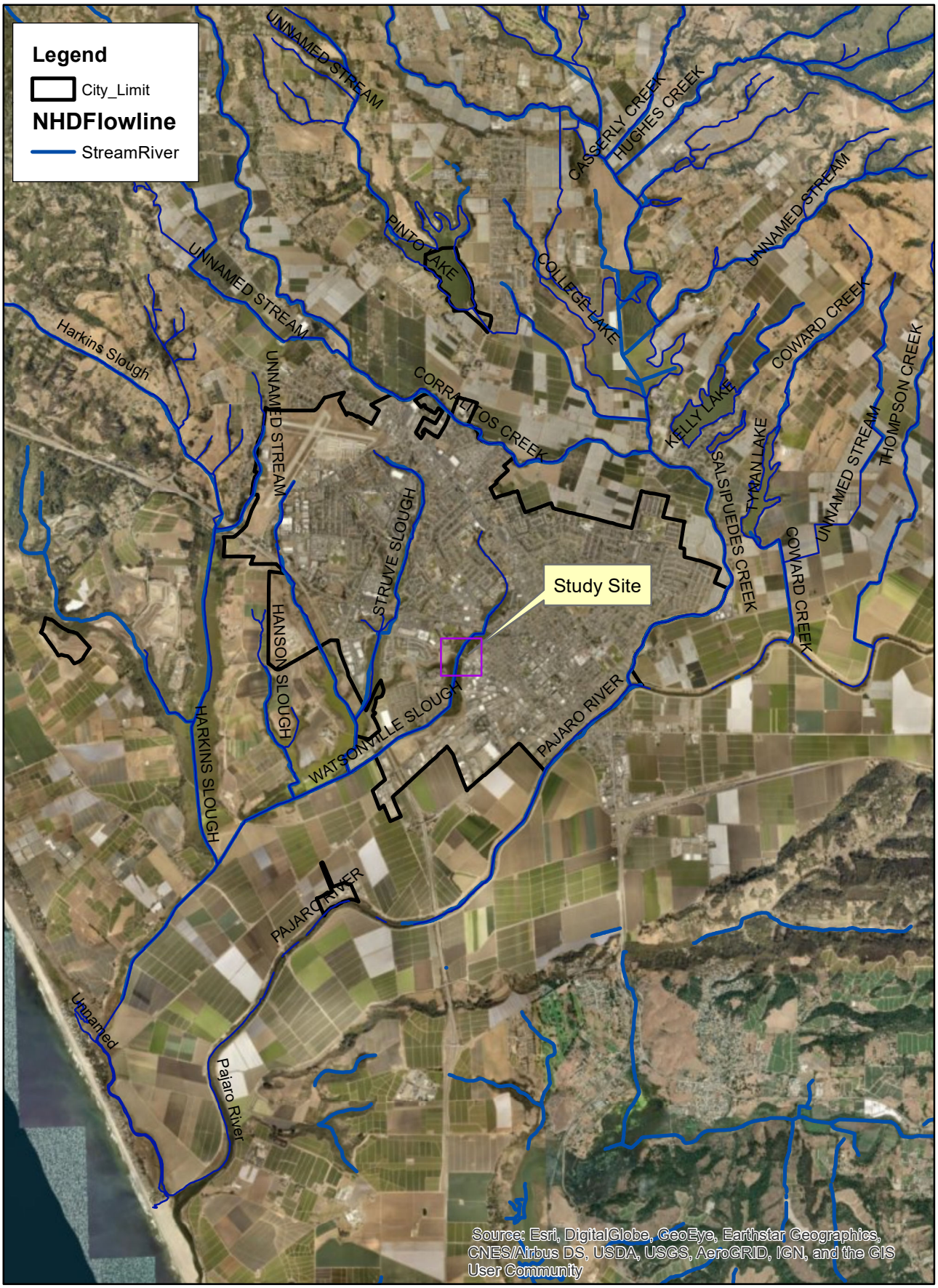


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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

Figure 1
Location Map



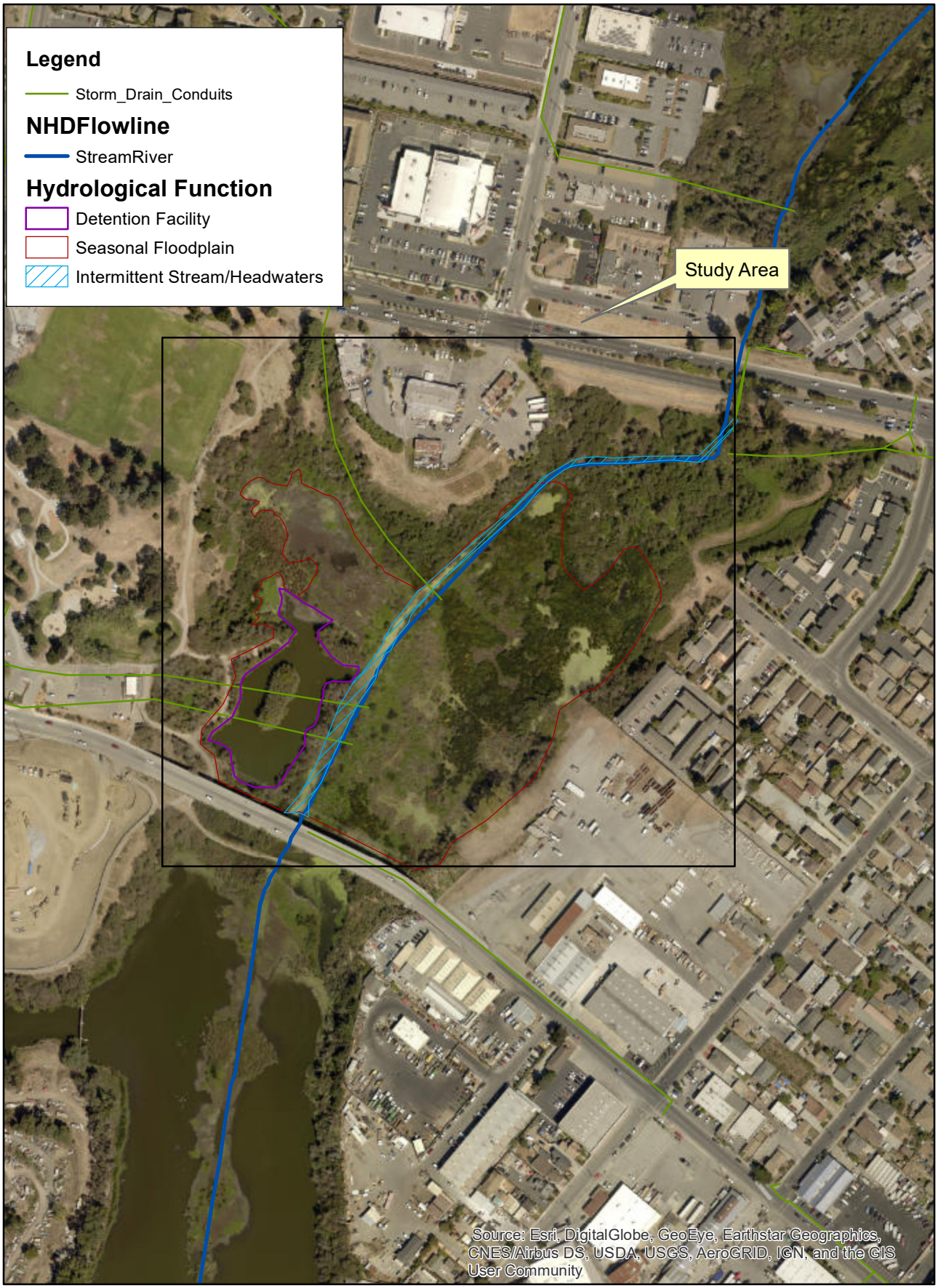
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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

N

Figure 2
Watsonville Slough
Watershed View



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H.E. HUNTING ENVIRONMENTAL

1 inch = 400 feet

N

Figure 3
Hydrological Function

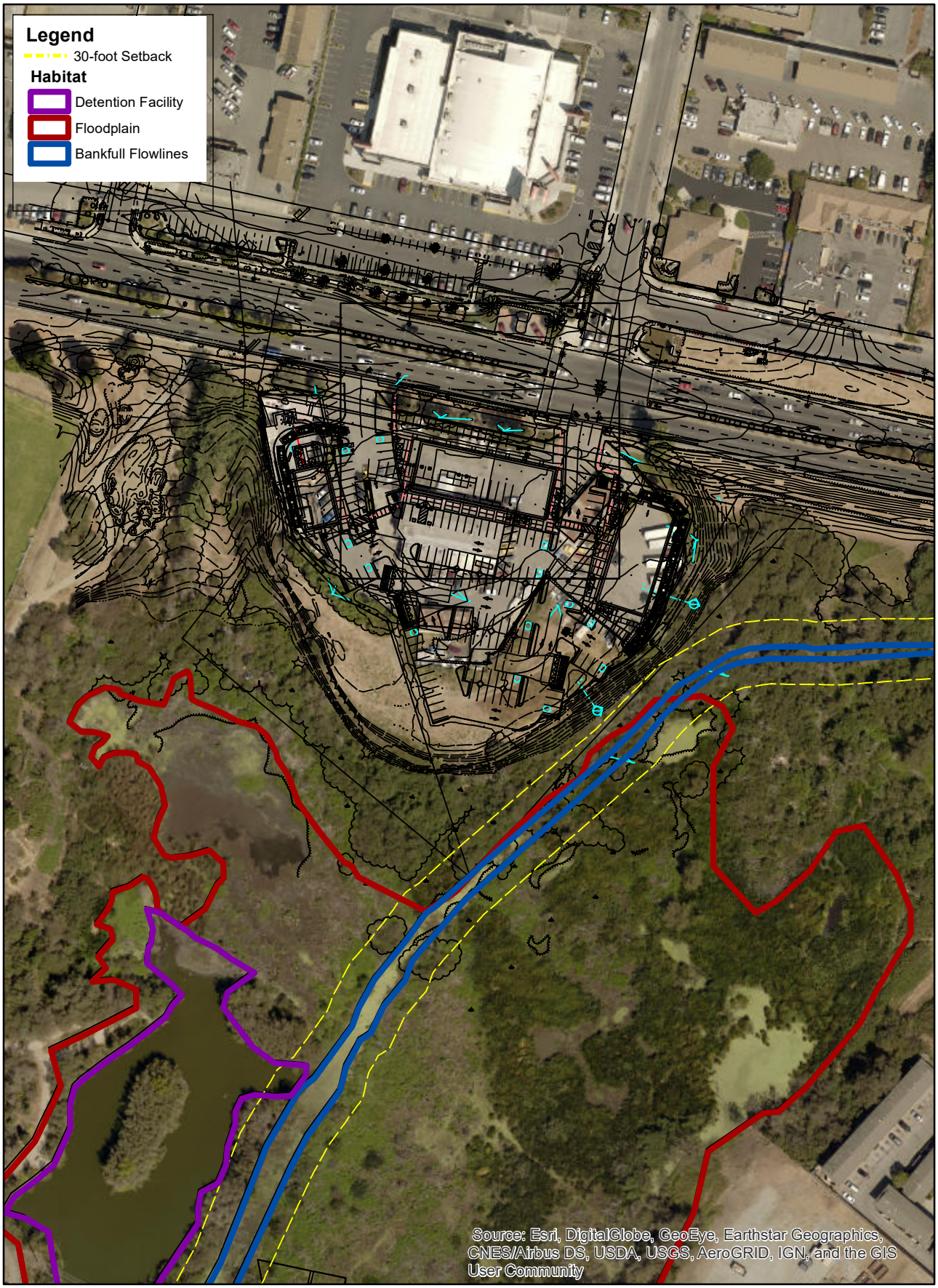


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HUNTING ENVIRONMENTAL

1 inch = 800 feet

Figure 4
Headwaters



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H.E. HUNTING ENVIRONMENTAL

1 inch = 200 feet

N

Figure 5
Site Plan and Creek Setback

Appendix B

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ventura Fish And Wildlife Office
2493 Portola Road, Suite B
Ventura, CA 93003-7726
Phone: (805) 644-1766 Fax: (805) 644-3958

In Reply Refer To:
Consultation Code: 08EVEN00-2019-SLI-0301
Event Code: 08EVEN00-2019-E-00679
Project Name: 925 Main

February 15, 2019

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed list identifies species listed as threatened and endangered, species proposed for listing as threatened or endangered, designated and proposed critical habitat, and species that are candidates for listing that may occur within the boundary of the area you have indicated using the U.S. Fish and Wildlife Service's (Service) Information Planning and Conservation System (IPaC). The species list fulfills the requirements under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the species list should be verified after 90 days. We recommend that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists following the same process you used to receive the enclosed list. Please include the Consultation Tracking Number in the header of this letter with any correspondence about the species list.

Due to staff shortages and excessive workload, we are unable to provide an official list more specific to your area. Numerous other sources of information are available for you to narrow the list to the habitats and conditions of the site in which you are interested. For example, we recommend conducting a biological site assessment or surveys for plants and animals that could help refine the list.

If a Federal agency is involved in the project, that agency has the responsibility to review its proposed activities and determine whether any listed species may be affected. If the project is a major construction project*, the Federal agency has the responsibility to prepare a biological assessment to make a determination of the effects of the action on the listed species or critical habitat. If the Federal agency determines that a listed species or critical habitat is likely to be adversely affected, it should request, in writing through our office, formal consultation pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to threatened or endangered species or their critical habitat prior to a

written request for formal consultation. During this review process, the Federal agency may engage in planning efforts but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act.

Federal agencies are required to confer with the Service, pursuant to section 7(a)(4) of the Act, when an agency action is likely to jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat (50 CFR 402.10(a)). A request for formal conference must be in writing and should include the same information that would be provided for a request for formal consultation. Conferences can also include discussions between the Service and the Federal agency to identify and resolve potential conflicts between an action and proposed species or proposed critical habitat early in the decision-making process. The Service recommends ways to minimize or avoid adverse effects of the action. These recommendations are advisory because the jeopardy prohibition of section 7(a)(2) of the Act does not apply until the species is listed or the proposed critical habitat is designated. The conference process fulfills the need to inform Federal agencies of possible steps that an agency might take at an early stage to adjust its actions to avoid jeopardizing a proposed species.

When a proposed species or proposed critical habitat may be affected by an action, the lead Federal agency may elect to enter into formal conference with the Service even if the action is not likely to jeopardize or result in the destruction or adverse modification of proposed critical habitat. If the proposed species is listed or the proposed critical habitat is designated after completion of the conference, the Federal agency may ask the Service, in writing, to confirm the conference as a formal consultation. If the Service reviews the proposed action and finds that no significant changes in the action as planned or in the information used during the conference have occurred, the Service will confirm the conference as a formal consultation on the project and no further section 7 consultation will be necessary. Use of the formal conference process in this manner can prevent delays in the event the proposed species is listed or the proposed critical habitat is designated during project development or implementation.

Candidate species are those species presently under review by the Service for consideration for Federal listing. Candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Preparation of a biological assessment, as described in section 7(c) of the Act, is not required for candidate species. If early evaluation of your project indicates that it is likely to affect a candidate species, you may wish to request technical assistance from this office.

Only listed species receive protection under the Act. However, sensitive species should be considered in the planning process in the event they become listed or proposed for listing prior to project completion. We recommend that you review information in the California Department of Fish and Wildlife's Natural Diversity Data Base. You can contact the California Department of Fish and Wildlife at (916) 324-3812 for information on other sensitive species that may occur in this area.

[*A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.]

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ventura Fish And Wildlife Office
2493 Portola Road, Suite B
Ventura, CA 93003-7726
(805) 644-1766

Project Summary

Consultation Code: 08EVEN00-2019-SLI-0301

Event Code: 08EVEN00-2019-E-00679

Project Name: 925 Main

Project Type: DEVELOPMENT

Project Description: Reuse of a commercial strip mall

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/36.915406817442744N121.76808183504755W



Counties: Santa Cruz, CA

Endangered Species Act Species

There is a total of 15 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
San Joaquin Kit Fox *Vulpes macrotis mutica* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2873	Endangered

Birds

NAME	STATUS
California Least Tern *Sterna antillarum browni* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
Least Bell's Vireo *Vireo bellii pusillus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered
Marbled Murrelet *Brachyramphus marmoratus* Population: U.S.A. (CA, OR, WA) There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4467	Threatened
Southwestern Willow Flycatcher *Empidonax traillii extimus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered
Western Snowy Plover *Charadrius nivosus nivosus* Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8035	Threatened

Reptiles

NAME	STATUS
San Francisco Garter Snake *Thamnophis sirtalis tetrataenia* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5956	Endangered

Amphibians

NAME	STATUS
California Red-legged Frog *Rana draytonii* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander *Ambystoma californiense* Population: U.S.A. (Central CA DPS) There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened
Santa Cruz Long-toed Salamander *Ambystoma macrodactylum croceum* There is **proposed** critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7405	Endangered

Fishes

NAME	STATUS
Tidewater Goby *Eucyclogobius newberryi* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/57	Endangered

Flowering Plants

NAME	STATUS
Marsh Sandwort *Arenaria paludicola* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2229	Endangered
Monterey Gilia *Gilia tenuiflora ssp. arenaria* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/856	Endangered
Monterey Spineflower *Chorizanthe pungens var. pungens* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/396	Threatened
Santa Cruz Tarplant *Holocarpha macradenia* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6832	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (Watsonville West (3612187))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Accipiter cooperii Cooper's hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	83 83	116 S:1	0	1	0	0	0	0	0	1	1	0	0
Agelaius tricolor tricolored blackbird	G2G3 S1S2	None Candidate Endangered	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	18 40	952 S:2	0	0	0	0	0	2	2	0	2	0	0
Ambystoma californiense California tiger salamander	G2G3 S2S3	Threatened Threatened	CDFW_WL-Watch List IUCN_VU-Vulnerable	200 289	1185 S:2	1	0	0	0	0	1	1	1	2	0	0
Ambystoma macrodactylum croceum Santa Cruz long-toed salamander	G5T1T2 S1S2	Endangered Endangered	CDFW_FP-Fully Protected	175 450	22 S:14	3	4	3	1	0	3	4	10	14	0	0
Aneides flavipunctatus niger Santa Cruz black salamander	G3 S3	None None	CDFW_SSC-Species of Special Concern	350 350	78 S:1	0	0	0	0	0	1	0	1	1	0	0
Anniella pulchra northern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	23 100	375 S:3	0	2	0	0	0	1	1	2	3	0	0
Arctostaphylos andersonii Anderson's manzanita	G2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	400 400	64 S:1	0	0	0	0	0	1	1	0	1	0	0
Arctostaphylos hookeri ssp. hookeri Hooker's manzanita	G3T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	350 500	24 S:2	0	1	0	0	0	1	1	1	2	0	0
Arctostaphylos pajaroensis Pajaro manzanita	G1 S1	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive	500 500	28 S:1	0	0	0	0	1	0	1	0	0	1	0
Bombus caliginosus obscure bumble bee	G4? S1S2	None None	IUCN_VU-Vulnerable	100 100	181 S:1	0	0	0	0	0	1	1	0	1	0	0
Bombus occidentalis western bumble bee	G2G3 S1	None None	USFS_S-Sensitive XERCES_IM-Imperiled	40 40	282 S:1	0	0	0	0	0	1	1	0	1	0	0

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Central Dune Scrub	G2	None		50	24 S:1	0	0	0	0	0	1	1	0	1	0	0
Central Dune Scrub	S2.2	None		50												
Centromadia parryi ssp. congdonii	G3T1T2	None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden	10	93 S:1	0	1	0	0	0	0	0	1	1	0	0
Congdon's tarplant	S1S2	None		10												
Charadrius alexandrinus nivosus	G3T3	Threatened	CDFW_SSC-Species of Special Concern NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	10	138 S:1	0	0	0	0	0	1	1	0	1	0	0
western snowy plover	S2S3	None		10												
Chorizanthe pungens var. pungens	G2T2	Threatened	Rare Plant Rank - 1B.2 SB_UCBBG-UC Berkeley Botanical Garden	10	51 S:8	2	3	1	0	0	2	2	6	8	0	0
Monterey spineflower	S2	None		550												
Chorizanthe robusta var. robusta	G2T1	Endangered	Rare Plant Rank - 1B.1 BLM_S-Sensitive	50	20 S:9	2	3	1	0	0	3	1	8	9	0	0
robust spineflower	S1	None		480												
Coastal and Valley Freshwater Marsh	G3	None		20	60 S:1	0	0	0	0	0	1	1	0	1	0	0
Coastal and Valley Freshwater Marsh	S2.1	None		20												
Danaus plexippus pop. 1	G4T2T3	None	USFS_S-Sensitive	10	383 S:2	0	0	2	0	0	0	2	0	2	0	0
monarch - California overwintering population	S2S3	None		100												
Dicamptodon ensatus	G3	None	CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	300	232 S:1	0	0	0	0	0	1	1	0	1	0	0
California giant salamander	S2S3	None		300												
Dipodomys venustus venustus	G4T1	None		853	25 S:1	0	0	0	0	1	0	1	0	0	1	0
Santa Cruz kangaroo rat	S1	None		853												
Emys marmorata	G3G4	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	2	1357 S:5	2	2	1	0	0	0	3	2	5	0	0
western pond turtle	S3	None		110												
Erysimum ammophilum	G2	None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	50	58 S:1	0	1	0	0	0	0	0	1	1	0	0
sand-loving wallflower	S2	None		50												

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Eucyclogobius newberryi tidewater goby	G3 S3	Endangered None	AFS_EN-Endangered CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	0 0	127 S:1	0	0	1	0	0	0	0	1	1	0	0
Gilia tenuiflora ssp. arenaria Monterey gilia	G3G4T2 S2	Endangered Threatened	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	120 120	29 S:1	0	0	1	0	0	0	0	1	1	0	0
Holocarpha macradenia Santa Cruz tarplant	G1 S1	Threatened Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	40 300	37 S:9	0	1	5	1	1	1	4	5	8	0	1
Horkelia cuneata var. sericea Kellogg's horkelia	G4T1? S1?	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	280 280	58 S:1	0	1	0	0	0	0	1	0	1	0	0
Monolopia gracilens woodland woollythreads	G3 S3	None None	Rare Plant Rank - 1B.2		57 S:2	0	0	0	0	0	2	2	0	2	0	0
Oncorhynchus mykiss irideus pop. 8 steelhead - central California coast DPS	G5T2T3Q S2S3	Threatened None	AFS_TH-Threatened	200 200	44 S:1	0	0	0	0	0	1	1	0	1	0	0
Oncorhynchus mykiss irideus pop. 9 steelhead - south-central California coast DPS	G5T2Q S2	Threatened None	AFS_TH-Threatened	350 350	32 S:1	0	0	0	0	0	1	1	0	1	0	0
Pedicularis dudleyi Dudley's lousewort	G2 S2	None Rare	Rare Plant Rank - 1B.2 USFS_S-Sensitive	200 200	12 S:1	0	0	0	0	1	0	1	0	0	1	0
Plagiobothrys chorisianus var. chorisianus Choris' popcornflower	G3T1Q S1	None None	Rare Plant Rank - 1B.2	400 400	42 S:1	0	0	0	0	0	1	1	0	1	0	0
Plagiobothrys diffusus San Francisco popcornflower	G1Q S1	None Endangered	Rare Plant Rank - 1B.1	160 160	17 S:1	0	0	0	0	0	1	0	1	1	0	0
Rana boylii foothill yellow-legged frog	G3 S3	None Candidate Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	110 110	2359 S:1	0	0	0	0	0	1	1	0	1	0	0
Rana draytonii California red-legged frog	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	0 280	1507 S:14	5	3	4	0	0	2	4	10	14	0	0

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Riparia riparia bank swallow	G5 S2	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	30 30	298 S:1	0	0	0	0	0	1	1	0	1	0	0
Taxidea taxus American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	200 200	563 S:1	0	0	0	0	0	1	1	0	1	0	0

Appendix C

Photo 1


975 Main Street
Watsonville, CA
Legend
Photo 9
Photo 4
Photo 8
Photo 7
Photo 5
Photo 6
Photo 2
Photo 3
Google Earth
© 2018 Google
100 ft

Photo 2



Photo 3

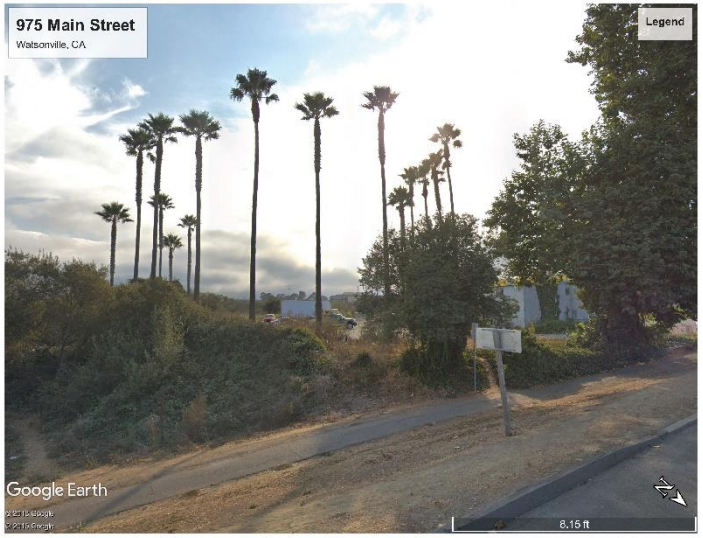


Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Appendix D

Standards of Significance

CEQA Guidelines Appendix G standards of significance:

1) 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 CDFW or the USFWS.

    a. **See Section 5.2.1 of Biological Resource Assessment (BSA)**

2) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the CDFW or the USFWS.

    a. **The Project will not affect riparian habitat (see Figure 6. *Habitat* of the BSA and Figure 5 of Appendix A.**

3) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the CWA (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.

    a. **The Project will not affect any waters of the US or State (see Appendix A).**

4) 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.

    a. **The Project Site is not a migratory corridor.**

5) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

    a. **The Project will comply with all City Ordinances.**

6) Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.

    a. **Not Applicable.**

7) Reduce the number or restrict the range of an endangered, rare, or threatened plant or animal species or biotic community, thereby causing the species or community to drop below self-sustaining levels.

    a. **See Section 5.2.1 of Biological Resource Assessment (BSA)**

APPENDIX B2:
BIOLOGICAL RESOURCES ASSESSMENT ADDENDUM

HUNTING ENVIRONMENTAL
3606 Cambridge Road • Cameron Park, CA 95682
Office: (530) 387-7618 • Cell: (916) 501-2258
jhunting@huntenv.com

August 2, 2019

Justin Meeks, AICP / Principal Planner
City of Watsonville
250 Main Street
Watsonville, CA 95076

Re: Addendum to the Biological Resource Assessment, dated February 25, 2019 for the Proposed Commercial Redevelopment (PP2017-116) located at 975 and 1035 Main Street – Watsonville, CA (the"Project")

Dear Mr. Meeks:

Hunting Environmental ("HE") prepared a Biological Resource Assessment ("BRA"), dated February 25, 2019 that provided an assessment of the existing biological resources of the Project, the impact of the Project to sensitive biotic resources, and the identification of mitigation measures that could reduce the magnitude of these impacts. More specifically, the BRA identified habitats, sensitive species and the ordinary high-water mark ("OHM") of the Watsonville Slough to ascertain placement of the required 30-foot buffer from the OHM. The OHM was established utilizing the U.S. Corp of Engineers regulatory guidelines.

Pursuant to your Memorandum (City of Watsonville), dated May 22, 2019 regarding the BRA and Riparian Corridor Category Assessment, an independent peer review was conducted by James Martin of Environmental Collaborative. During his field reconnaissance, Mr. Martin observed water ponding in the Watsonville Slough adjacent to the Project that extended beyond the 30-foot buffer from the OHM. Mr. Martin indicated the appropriate methodology for mapping the 30-foot buffer should be from the high-water mark ("HWM") and not the OHM. Based on this assessment, HE revised the proposed site plan to incorporate the HWM methodology to ensure appropriate setback measures from riparian habitats are in place and potential impacts to sensitive, nearby biological resources are avoided.

High-Water Mark Methodology

HE engaged a field crew with the assistance of RAK Engineering on July 18, 2019 to survey the HWM line in order to determine the limits of the riparian habitat. HE, the field crew and RAK Engineering staked the HWM where accessible, commencing at the northeast corner of the development to the southerly portion and then to the northwest corner. Once HE staked each HWM, the field crew surveyed and recorded each point. The surveyed data was compiled and subsequently submitted to RAK Engineering. The point data was then plotted and overlaid on the proposed grading and improvement plan. The mapping of the high water mark elevations was then utilized as the basis to revise the 30-foot riparian corridor buffer on the revised site plan and grading/improvement plan.

To determine the HWM while conducting the field survey, HE evaluated the existing conditions and physical features of recent and recurrent water saturation including:

- Scour
- Sediment sorting
- Deposition
- Water staining
- Shelving
- Changes in the character of soil
- Destruction of terrestrial vegetation
- Natural line impressed on the bank
- Presence of litter and debris
- Multiple observed flow events
- Wracking
- Bed and banks
- Vegetation matted down, bent, or absent
- Leaf litter disturbed or washed away
- Change in Plant Community

With the high level of disturbance in the area where the HWM exists, the analyses provided some challenges as a multitude of semi-permanent encampments and internal trails eliminated some of the evidentiary characteristics above. Where this was encountered, HE utilized consistent characteristics including decaying terrestrial vegetation, disturbed leaf litter and deposition, lack of herbaceous understory, moist soils and presence of litter and debris as a basis to define the HWM before staking each point. The debris, in this instance, was garbage (clothing, trash bags and other litter) that appeared to have been washed into the slough and deposited at the interior of the HWM **(See Attachment A)**. Moreover, HE interviewed several occupants at these semi-permanent encampments who indicated the water did not arise above the location that was originally defined, noting that their encampment was above that line.

High-Water Mark Results

Based on the surveyed data that was compiled and submitted to RAK Engineering to plot the elevations of the high water mark on the RAK Engineering Grading plans, dated June 5, 2019 for the development, the revised and verified high water mark lies along the 11'+/- contour line from the north-east corner to the southerly portion of the development as indicated on the grading plan **(See Attachment B)**. The north-west corner lies along the 12' +/- to 15' +/- contour line. The 30-foot riparian corridor buffer riparian set back at the northwest corner near the drive-through for Building 1 will be a disturbed buffer that will be reduced to less than 30'. This area has existing/historical hardscape improvement that already encroaches within the riparian corridor buffer. As such, the site plan was designed to follow the existing edge of pavement/retaining wall. There are no new improvements that encroach in the 30-foot riparian corridor buffer riparian.

Please contact me at jhunting@huntenv.com or at 916.501.2258 with any questions or comments.

Regards,



Joyce Hunting
Principal
Hunting Environmental

ATTACHMENT A









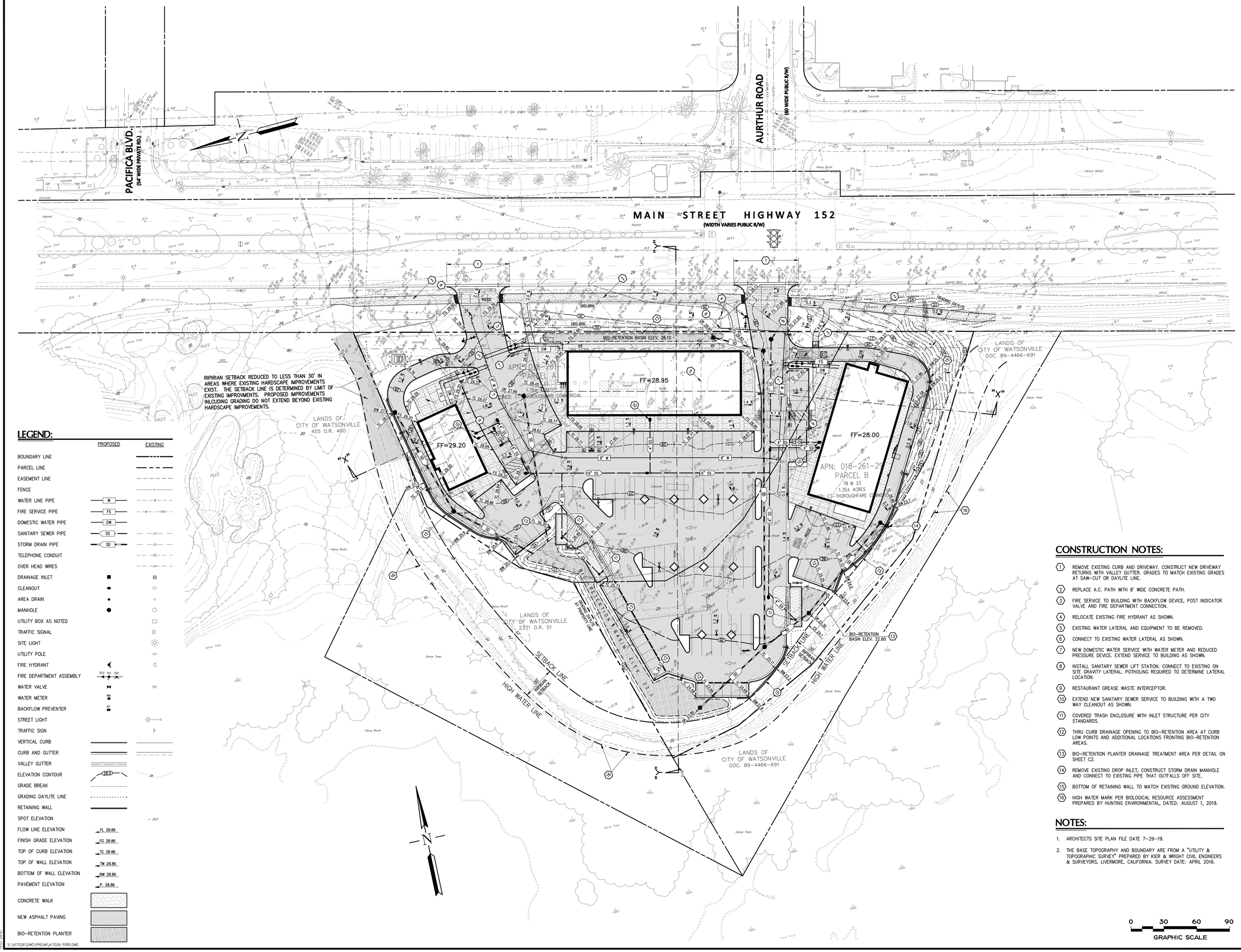








ATTACHMENT B



LEGEND:

	PROPOSED	EXISTING
BOUNDARY LINE		
PARCEL LINE		
EASEMENT LINE		
FENCE		x
WATER LINE PIPE	W	W
FIRE SERVICE PIPE	FS	FS
DOMESTIC WATER PIPE	DW	
SANITARY SEWER PIPE	SS	SS
STORM DRAIN PIPE	SD	SD
TELEPHONE CONDUIT		TEL
OVER HEAD WIRES		OH
DRAINAGE INLET	■	▤
CLEANOUT	●	⬭
AREA DRAIN	•	○
MANHOLE	●	○
UTILITY BOX AS NOTED		□
TRAFFIC SIGNAL		
SITE LIGHT		
UTILITY POLE		
FIRE HYDRANT		
FIRE DEPARTMENT ASSEMBLY	SCV PIV FDC	
WATER VALVE		
WATER METER	WM	
BACKFLOW PREVENTER	BF	
STREET LIGHT		
TRAFFIC SIGN		
VERTICAL CURB		
CURB AND GUTTER		
VALLEY GUTTER		
ELEVATION CONTOUR	28.0	28
GRADE BREAK		
GRADING DAYLITE LINE		
RETAINING WALL		
SPOT ELEVATION		× 28.8
FLOW LINE ELEVATION	FL 28.86	
FINISH GRADE ELEVATION	FG 28.86	
TOP OF CURB ELEVATION	TC 28.86	
TOP OF WALL ELEVATION	TW 28.86	
BOTTOM OF WALL ELEVATION	BW 28.86	
PAVEMENT ELEVATION	P. 28.86	
CONCRETE WALK		
NEW ASPHALT PAVING		
BIO-RETENTION PLANTER		

CONSTRUCTION NOTES:

1. REMOVE EXISTING CURB AND DRIVEWAY. CONSTRUCT NEW DRIVEWAY RETURNS WITH VALLEY GUTTER. GRADES TO MATCH EXISTING GRADES AT SAW-CUT OR DAYLITE LINE.
2. REPLACE A.C. PATH WITH 8' WIDE CONCRETE PATH.
3. FIRE SERVICE TO BUILDING WITH BACKFLOW DEVICE, POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTION.
4. RELOCATE EXISTING FIRE HYDRANT AS SHOWN.
5. EXISTING WATER LATERAL AND EQUIPMENT TO BE REMOVED.
6. CONNECT TO EXISTING WATER LATERAL AS SHOWN.
7. NEW DOMESTIC WATER SERVICE WITH WATER METER AND REDUCED PRESSURE DEVICE. EXTEND SERVICE TO BUILDING AS SHOWN.
8. INSTALL SANITARY SEWER LIFT STATION. CONNECT TO EXISTING ON SITE GRAVITY LATERAL. POTHOLING REQUIRED TO DETERMINE LATERAL LOCATION.
9. RESTAURANT GREASE WASTE INTERCEPTOR.
10. EXTEND NEW SANITARY SEWER SERVICE TO BUILDING WITH A TWO WAY CLEANOUT AS SHOWN.
11. COVERED TRASH ENCLOSURE WITH INLET STRUCTURE PER CITY STANDARDS.
12. THRU CURB DRAINAGE OPENING TO BIO-RETENTION AREA AT CURB LOW POINTS AND ADDITIONAL LOCATIONS FRONTING BIO-RETENTION AREAS.
13. BIO-RETENTION PLANTER DRAINAGE TREATMENT AREA PER DETAIL ON SHEET C2.
14. REMOVE EXISTING DROP INLET, CONSTRUCT STORM DRAIN MANHOLE AND CONNECT TO EXISTING PIPE THAT OUTFALLS OFF SITE.
15. BOTTOM OF RETAINING WALL TO MATCH EXISTING GROUND ELEVATION.
16. HIGH WATER MARK PER BIOLOGICAL RESOURCE ASSESSMENT PREPARED BY HUNTING ENVIRONMENTAL, DATED: AUGUST 1, 2019.

NOTES:

1. ARCHITECTS SITE PLAN FILE DATE 7-29-19.
2. THE BASE TOPOGRAPHY AND BOUNDARY ARE FROM A "UTILITY & TOPOGRAPHIC SURVEY" PREPARED BY KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, LIVERMORE, CALIFORNIA. SURVEY DATE: APRIL 2016.

0 30 60 90
GRAPHIC SCALE

PLOT DATE:
S:\A17026\DWG\PRELIM\A17026 PGRD.DWG

ROBERT A. KARN & ASSOCIATES, INC.
CIVIL ENGINEERS
707 BECK AVENUE
FAIRFIELD, CALIFORNIA 94533
Phone: (707) 425-0988 Fax: (707) 425-9988
e-mail: rakarengineers.com

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PRELIMINARY GRADING, DRAINAGE AND UTILITY PLAN
PROPOSED COMMERCIAL CENTER AT 975 MAIN STREET
CITY OF WATSONVILLE, CALIFORNIA

FOR: SANTA CRUZ SEASIDE COMPANY

SCALE: 1"=20'
DATE: 9-13-18
DRAWN: A.B.L.
CHECKED: R.A.K.
PROJECT MGR.: R.A.K.

DATE	MK	SHEET REVISIONS	BY	CK

SHEET NO. C1
OF 2 SHEETS
JOB NO. A18040

APPENDIX C

GEOTECHNICAL REPORT

GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED COMMERCIAL DEVELOPMENT
MAIN STREET AT AUTO CENTRE DRIVE
WATSONVILLE, CALIFORNIA

KA PROJECT NO. 042-18019
OCTOBER 9, 2018

Prepared for:

MR. ERIC SOBOTKA
975 MAIN STREET ASSOCIATES, LLC
400 BEACH STREET
SANTA CRUZ, CALIFORNIA 95060

Prepared by:

KRAZAN & ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING DIVISION
1061 SERPENTINE LANE, SUITE E-F
PLEASANTON, CALIFORNIA 94566
(925) 307-1160

Krazan & ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

October 9, 2018

KA Project No. 042-18019

Mr. Eric Sobotka
975 Main Street Associates, LLC
400 Beach Street
Santa Cruz, California 95060

RE: Geotechnical Engineering Investigation
Proposed Commercial Development
Main Street at Auto Centre Drive
Watsonville, California

Mr. Sobotka:

In accordance with your request, we have completed a Geotechnical Engineering Investigation for the above-referenced site. The results of our investigation are presented in the attached report.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (925) 307-1160.



Respectfully submitted,
KRAZAN & ASSOCIATES, INC.

David R. Jarosz, II
Managing Engineer
RGE No. 2698/RCE No. 60185

DRJ:ht

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October 9, 2018 KA Project No. 042-18019

GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED COMMERCIAL DEVELOPMENT
MAIN STREET AT AUTO CENTRE DRIVE
WATSONVILLE, CALIFORNIA

INTRODUCTION

This report presents the results of our Geotechnical Engineering Investigation for the proposed Commercial Development to be located at Main Street and Auto Centre Drive in Watsonville, California. Discussions regarding site conditions are presented herein, together with conclusions and recommendations pertaining to site preparation, Engineered Fill, utility trench backfill, drainage and landscaping, foundations, concrete floor slabs and exterior flatwork, retaining walls, soil cement reactivity, and pavement design.

A site plan showing the approximate boring locations is presented following the text of this report. A description of the field investigation, boring logs, and the boring log legend are presented in Appendix A. Appendix A also contains a description of the laboratory testing phase of this study, along with the laboratory test results. Appendices B and C contain guides to earthwork and pavement specifications. When conflicts in the text of the report occur with the general specifications in the appendices, the recommendations in the text of the report have precedence.

PURPOSE AND SCOPE

This investigation was conducted to evaluate the soil and groundwater conditions at the site, to make geotechnical engineering recommendations for use in design of specific construction elements, and to provide criteria for site preparation and Engineered Fill construction.

Our scope of services was outlined in our revised proposal dated July 31, 2018 (KA Proposal No. P296-18) and included the following:

- A site reconnaissance by a member of our engineering staff to evaluate the surface conditions at the project site.
- A field investigation consisting of drilling 12 borings, excavating 3 test pits and advancing 5 Cone Penetration Tests (CPTs) to depths ranging from approximately 11 to 50 feet for evaluation of the subsurface conditions at the project site.

- Performing laboratory tests on representative soil samples obtained from the borings to evaluate the physical and index properties of the subsurface soils.

- Evaluation of the data obtained from the investigation and an engineering analysis to provide recommendations for use in the project design and preparation of construction specifications.

- Preparation of this report summarizing the results, conclusions, recommendations, and findings of our investigation.

PROPOSED CONSTRUCTION

We understand that design of the proposed development is currently underway; structural load information and other final details pertaining the structures are unavailable. On a preliminary basis, it is understood the proposed development will consisting of a new commercial development covering approximately 3½ acres. It is anticipated the buildings will utilize concrete slab-on-grade construction. Foundation loads are anticipated to be light to moderate. A bio-retention area will be located in the northwest corner of the site. On-site paved areas and landscaping are also planned for the development of the project.

In the event, these structural or grading details are inconsistent with the final design criteria, the Soils Engineer should be notified so that we may update this writing as applicable.

SITE LOCATION, SITE HISTORY AND SITE DESCRIPTION

The site is irregular in shape and encompasses approximately 3½ acres. The site is located just south of Main Street at Auto Centre Drive in Watsonville, California. A community park and commercial developments are located west of the site. Commercial developments are located north of the site. The remainder of the site is predominately surrounded by the Watsonville Slough.

Site history was obtained by reviewing historical aerial photographs taken in 1993, 2003, 2013 and 2018. Review of the 1993 aerial photograph indicates that the project site was occupied by five commercial buildings with associated concrete and asphaltic concrete paved areas and landscaping consisting of grass, trees and shrubs.

Review of the 2003, 2013 and 2018 aerial photographs indicate that the project site conditions appeared to be relatively similar to that noted in the 1998 aerial photograph.

Presently, the area of proposed development consists of a commercial development with five commercial buildings, asphaltic concrete and concrete paved areas, and landscaping consisting of grass, shrubs and trees. Buried utility lines and irrigation lines are located throughout the site associated with the existing development. The site is relatively level with no major changes in grade. However, the southern, eastern and western edges of the site have slopes ranging from 8 to 38 degrees extending down into the adjacent slough.

GEOLOGIC SETTING

The project area is located south of San Francisco Bay and east of the Santa Cruz Mountains within the northern portion of the Coast Ranges Geomorphic Province of California. The Coast Ranges generally consist of an alternating series of parallel mountains and valleys located adjacent to the Pacific Coast. The bedrock units that form the range have been disrupted by intense folding, faulting, and crushing that occurred when the range was formed by the processes of plate tectonics. During the Jurassic and Cretaceous Periods (about 150 to 80 million years ago), the Pacific Oceanic Plate, which was progressively moving towards the east, collided with the North American Continental Plate, which was moving toward the west. This collision caused the less rigid Pacific Oceanic Plate to be subducted beneath the North American Continental Plate. The colliding motion of the two plates caused portions of the Pacific Oceanic Crust and overlying marine sediments to be piled onto the North American Continental Plate along the west coast of California. The resulting chaotic jumble of bedrock units scraped off onto the North American Plate, is known as the "Franciscan Assemblage" and comprises a large portion of the Coast Range Province. Subsequent development of a series of northwest-trending fault zones has further contributed to the deformation of the Coast Range.

The near-surface deposits in the vicinity of the subject site are indicated to be comprised of Holocene alluvial fan deposits and Quaternary river terrace deposits consisting of sands, silt, and clays derived from erosion of local mountain ranges. Deposits encountered on the subject site during exploratory drilling are discussed in detail in this report.

Five major faults are located near the site: The Zayante-Vergeles fault, San Andreas fault, Monterey Bay-Tularcitos fault, Rinconada fault, Calaveras fault, Monte Vista-Shannon fault, and San Gregorio fault. The San Andreas fault and the Calaveras fault are located approximately 5.0 miles east, and 17.0 miles west of the site, respectively. The San Andreas fault was the source of the 1906 San Francisco Earthquake. The Hayward fault is located approximately 37 miles north of the site. The Hayward fault is considered capable of producing an earthquake event of magnitude 7.0. The last recorded movement of the Hayward fault was in 1868. The Calaveras fault is located approximately 17 miles east of the site and is considered capable of producing an earthquake of magnitude of 6.9. The Zaynte-Vergeles fault is approximately 2.1 miles east of the site and is considered capable of producing an earthquake of magnitude 7.0. The Quien Sabe fault, Monte Vista-Shannon fault and Ortigalita fault are located approximately 22 miles east, 18 miles west, and 35 miles east of the site, respectively, and are also considered capable of producing large earthquakes. Although the site is in close proximity to several faults, the site is not within a State of California Earthquake Fault Zone or Special Study Zone for faulting.

The probability of one or more earthquakes of magnitude 6.7 or higher occurring in the San Francisco Bay Area within a 30-year period of time was evaluated by the U.S. Geological Survey (USGS) Working Group on California Earthquake Probabilities on a periodic basis. The result of the 2008 evaluation indicated a 63 percent likelihood that such an earthquake event will occur in the Bay Area between 2007 and 2036 (USGS 2008). The faults with the greater probability of a magnitude 6.7 or higher earthquake are the Hayward fault at 31 percent and the San Andreas fault at 21 percent.

The Alquist-Priolo Earthquake Fault Zoning Act went into effect in March, 1973. Since that time, the act has been amended 11 times (Hart, 2007). The purpose of the Act, as provided in CGS Special Publication 42 (SP 42), is to prohibit the location of most structures for human occupancy across the traces of active faults and to mitigate thereby the hazard of fault-rupture." The act was renamed the Alquist-Priolo Earthquake Fault Zoning Act in 1994, and at that time, the originally designated "Special Studies Zones" was renamed the "Earthquake Fault Zones."

The area of the subject site is included on the Earthquake Fault Zones Map for the Watsonville West Quadrangle. However, the site is not within a Fault-Rupture Hazard Zone. The nearest zoned faults are portions of the Zayante and San Andreas faults located more than 2 miles east and 5 miles northeast of the subject site, respectively.

In 1990, the California State Legislature passed the Seismic Hazard Mapping Act to protect public safety from the effects of strong shaking, liquefaction, landslides, or other ground failure, and other hazards caused by earthquakes. The Act requires that the State Geologist delineate various seismic hazards zones on Seismic Hazards Zones Maps. Specifically, the maps identify areas where soil liquefaction and earthquake-induced landslides are most likely to occur. A site-specific geotechnical evaluation is required prior to permitting most urban developments within the mapped zones. The Act also requires sellers of real property within the zones to disclose this fact to potential buyers. The area of the subject site is not included on a Seismic Hazard Zone map as of this report date. However, due to the potential for shallow groundwater conditions with the site and vicinity, a liquefaction analysis was performed for the proposed development.

Due to the relatively flat nature of the site, the site is not subject to landslide hazards. However, the Watsonville Slough trends along the southern, eastern and western edges of the site. The slough is approximately 10 to 15 feet deep within the site vicinity, with slopes on the order of 28 to 38 degrees. Therefore, it is recommended the edges of the site be sloped 3:1 (horizontal to vertical) or flatter along the edge of the slough. In lieu of these slopes retaining walls may be used. All structures should be set back a minimum of 20 feet or ⅓ the slope height, whichever is greater.

FIELD AND LABORATORY INVESTIGATIONS

Subsurface soil conditions were explored by drilling 12 borings, excavating 3 test pits and advancing 5 Cone Penetration Tests (CPTs) to depths ranging from approximately 11 to 50 feet below existing site grade, using a truck-mounted drill rig and a backhoe. In addition, 2 bulk subgrade samples were obtained from the site for laboratory R-value testing. Furthermore, 1 percolation test was conducted at a depth of 3 feet below existing site grade. The approximate boring, test pit, CPT, bulk sample and percolation test locations are shown on the site plan. During drilling operations, penetration tests were performed at regular intervals to evaluate the soil consistency and to obtain information regarding the engineering properties of the subsoils. Soil samples were retained for laboratory testing. The soils encountered were continuously examined and visually classified in accordance with the Unified Soil Classification System. A more detailed description of the field investigation is presented in Appendix A.

Laboratory tests were performed on selected soil samples to evaluate their physical characteristics and engineering properties. The laboratory testing program was formulated with emphasis on the evaluation of natural moisture, density, gradation, shear strength, consolidation potential, expansion potential, atterberg limits, R-value and moisture-density relationships of the materials encountered. In addition, chemical tests were performed to evaluate the corrosivity of the soils to buried concrete. Details of the laboratory test program and results of the laboratory tests are summarized in Appendix A. This information, along with the field observations, was used to prepare the final boring and test pit logs in Appendix A.

SOIL PROFILE AND SUBSURFACE CONDITIONS

Based on our findings, the subsurface conditions encountered appear typical of those found in the geologic region of the site. A majority of the site was covered with a pavement section consisting of approximately 1 to 2 inches of asphaltic concrete or concrete underlain by 3 to 8 inches of aggregate base. Within areas not covered by pavement, the upper soils consisted of approximately 6 to 12 inches of very loose silty sand, silty sand with clay or clayey sand. The clayey soils contained varying amounts of gravel. These soils are disturbed, have low strength characteristics and are highly compressible when saturated.

Beneath the pavement section and loose surface soils, approximately 1 to 17 feet of fill material was encountered. The fill material predominately consisted of silty sand, silty sand with clay or clayey sand. The clayey soils had varying amounts of gravel and debris. The thickness and extent of fill material was determined based on limited test borings and test pits and visual observation. Thicker fill may be present at the site. Limited testing was performed on the fill soils during the time of our field and laboratory investigations. The limited testing indicates that the fill material had varying strength characteristics ranging from loosely placed to compacted.

Below the fill material, approximately 3 to 4 feet of medium dense to very dense silty sand, silty sand with clay, silty sand/sand, clayey sand, and sandy silt, or stiff to very stiff silty clay and sandy clay were encountered. Field and laboratory tests suggest that these soils are moderately strong, slightly compressible and have a low to moderate expansion potential. Penetration resistance ranged from 12 to 54 blows per foot. Dry densities ranged from 67 to 113 pcf. Representative soil samples consolidated approximately 1½ to 3½ percent under a 2 ksf load when saturated. A representative soil sample had an angle of internal friction of 37 degrees. Representative sample of the clayey soils had expansion indices of 7 and 26.

Below approximately 4 to 21 feet, layers of loose to dense silty sand, sand and clayey sand or firm to stiff sandy clay were encountered. Some of these soils contained varying amounts of organics. Field and laboratory tests suggest that these soils are moderately strong and slightly compressible. Penetration resistance ranged from 6 blows per foot to greater than 50 blows per 6 inches. Dry densities ranged from 67 to 115 pcf. These soils had similar strength characteristics as the upper soils and extended to the termination depth of our borings and test pits.

For additional information about the soils encountered, please refer to the logs of borings, test pits and CPTs in Appendix A.

PERCOLATION TESTING

One percolation test was performed on the site. The percolation test was performed at a depth of 3 feet. The test was conducted in accordance with the criteria set in the "Manual of Septic Tank Practice" published by the Department of Health, Education, and Welfare. The test was performed within the project site to represent the anticipated water disposal areas. Results of the tests are as follows:

Test No.	Depth (feet)	Percolation rate (min/inch)	Soil Type
P1	3	5	Silty Sand (SM)

The percolation tests indicate that these soils are Type III soil, based on the Plumbing Code. The percolation rates given are based on 1 inch of fall within a 6-inch diameter hole with a 6-inch head of water.

GROUNDWATER

Test boring and test pit locations were checked for the presence of groundwater during and immediately following the drilling operations. Groundwater was encountered at depths of 13½ to 25 feet below existing site grade within Borings B1, B3 and B12. However, historic high groundwater was determined to be 2 feet below site grade. Historic groundwater was determined based on the close proximity of the Watsonville Slough.

It should be recognized that water table elevations may fluctuate with time, being dependent upon seasonal precipitation, irrigation, land use, and climatic conditions, as well as other factors. Therefore, water level observations at the time of the field investigation may vary from those encountered during the construction phase of the project. The evaluation of such factors is beyond the scope of this report.

SOIL LIQUEFACTION

Soil liquefaction is a state of soil particles suspension caused by a complete loss of strength when the effective stress drops to zero. Liquefaction normally occurs under saturated conditions in soils such as sand in which the strength is purely frictional. However, liquefaction has occurred in soils other than clean sand. Liquefaction usually occurs under vibratory conditions such as those induced by seismic event.

To evaluate the liquefaction potential of the site, the following items were evaluated:

1) Soil type

2) Groundwater depth

3) Relative density

4) Initial confining pressure

5) Intensity and duration of groundshaking

The predominant soils within the project site consist of layers of clayey sand, silty clay, sandy clay, clayey silt, sandy silt, sand and silty sand. Groundwater was encountered at a depth of 13½ feet during our exploratory drilling. However, groundwater has been historically encountered at a depth as shallow as 2 feet below site grade within the project site vicinity due to the adjacent slough.

The potential for soil liquefaction during a seismic event was evaluated using the LIQUEFYPRO computer program (version 5.8h) developed by CivilTech Software. For the analysis, a maximum earthquake magnitude of 7.2 was used. A peak horizontal ground surface acceleration of 0.737g was considered conservative and appropriate for the liquefaction analysis within the area. A high groundwater depth of 2 feet was used for the analysis. The computer analysis indicates that soils above a depth of 2 feet are non-liquefiable due to the absence of groundwater. The soils below depths of 2 feet have a very low potential for liquefaction with factors of safety of 2.5 to 5.0. The analysis also indicates that the estimated total seismic induced settlement due to soil liquefaction is less than approximately ½ inch. The estimated differential seismic settlements were less than ¼ inch over the width of the structures. Due to the low potential for seismic settlement at the site, no liquefaction mitigation procedures are necessary for this project.

CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of our field and laboratory investigations, along with previous geotechnical experience in the project area, the following is a summary of our evaluations, conclusions, and recommendations.

Administrative Summary

In brief, the subject site and soil conditions, with the exception of the loose surface soils, fill material, expansion potential of the on-site clayey soils, and existing development, appear to be conducive to the development of the project. The surface soils have a loose consistency. These soils are disturbed, have low strength characteristics and are highly compressible when saturated. Accordingly, it is recommended that the surface soils be recompacted. This compaction effort should stabilize the surface soils and locate any unsuitable or pliant areas not found during our field investigation.

Approximately 1 to 17 feet of fill material was encountered within the borings and test pits advanced throughout the site. The fill material predominately consisted of clayey sand, silty sand and silty sand with clay. These soils were intermixed with varying amounts of gravel and debris. The thickness and extent of fill material was determined based on limited test borings and test pits and visual observation. Thicker fill may be present at the site. Limited testing was performed on the fill soils during the time of our field and laboratory investigations. The limited testing indicates that the fill material had varying strength characteristics ranging from loosely placed to compacted. Therefore, it is recommended that

the fill soils be excavated and stockpiled so that the native soils can be properly prepared. These soils will be suitable for re-use as Engineered Fill provided they are cleansed of excessive organics, debris and fragments greater than 4 inches in maximum dimension. However, the clayey soils will not be suitable for reuse as non-expansive Engineered Fill. The clayey soils will be suitable for reuse as General Engineered Fill provided they are cleansed of excessive organics and debris and are moisture-conditioned to a minimum of 2 percent above optimum moisture content. Prior to fill placement Krazan & Associates, Inc. should inspect the bottom of the excavation to verify no additional removal will be required.

The on-site clayey soils appear to have a low swell potential. The clayey soils in their present condition present a minor to moderate hazard to construction in terms of possible post-construction movement of slab-on-grade construction. To reduce potential soil movement related to swell potential of the clayey soils, it is recommended that slab-on-grade and exterior flatwork areas be supported by at least 12 inches of non-expansive Engineered Fill. The fill material should be a well-graded silty sand or sandy silt soil. A clean sand or very sandy soil is not acceptable for this purpose. A sandy soil will allow the surface water to drain into the expansive soils below, which may result in soil swelling. The replacement soils and/or upper 12 inches of Imported Fill soils should meet the specifications as described under the subheading Engineered Fill. The replacement soils should extend 5 feet beyond the perimeter of slab-on-grade areas. The non-expansive replacement soils should be compacted to at least 90 percent of relative compaction based on ASTM Test Method D1557. The exposed native soils in the excavation should not be allowed to dry out and should be kept continually moist, prior to backfilling. In addition, it is recommended that slab-on-grade, continuous footings and slabs be nominally reinforced to reduce cracking and vertical off-set.

As an alternative to the use of non-expansive soils, the upper 12 inches of soil supporting the slab-on-grade and exterior flatwork areas can consist of lime-treated clayey soils. The lime-treated soils should be recompacted to a minimum of 90 percent of maximum density. Preliminary application rate of lime should be 5 percent by dry weight. The lime material should be calcium oxide, commonly known as quick-lime. The clayey soils should be at or near optimum moisture during the mixing operations.

The site is located in the vicinity of several structures. In addition, the site is occupied by several structures. Furthermore, the site is surrounded by portions of a slough. Buried utility lines are associated with the previous and existing developments. Any surface or buried structures, including utilities, encountered during construction should be properly removed and the resulting excavations backfilled. It is suspected demolition of the existing structures will disturb the upper soils. Areas disturbed by demolition activities should be excavated to firm native ground. The resulting excavations should be backfilled with Engineered Fill. This compaction effort should stabilize the upper soils and locate any unsuitable or pliant areas not found during our field investigation.

Sandy soil conditions were encountered at the site. These cohesionless soils have a tendency to cave in trench wall excavations. Shoring or sloping back trench sidewalls may be required within these sandy soils.

After completion of the recommended site preparation the site should be suitable for shallow footing support. The proposed structure footings may be designed utilizing an allowable bearing pressure of 2,500 psf for dead-plus-live loads. Footings should have a minimum embedment of 18 inches.

Groundwater Influence on Structures/Construction

During our recent field investigation groundwater was encountered at approximately 13½ feet below existing site grade. Historic high groundwater level for the site was determined to be 2 feet. Therefore, dewatering and/or waterproofing may be required should structures or excavations extend below this depth. If groundwater is encountered, our firm should be consulted prior to dewatering the site. Installation of a standpipe piezometer is suggested prior to construction should groundwater levels be a concern.

In addition to the groundwater level if earthwork is performed during or soon after periods of precipitation, the subgrade soils may become saturated, "pump," or not respond to densification techniques. Typical remedial measures include: discing and aerating the soil during dry weather; mixing the soil with dryer materials; removing and replacing the soil with an approved fill material; or mixing the soil with an approved lime or cement product. Our firm should be consulted prior to implementing remedial measures to observe the unstable subgrade conditions and provide appropriate recommendations.

Site Preparation

General site clearing should include removal of vegetation; existing utilities; structures including foundations; basement walls and floors; existing stockpiled soil; trees and associated root systems; rubble; rubbish; and any loose and/or saturated materials. Site stripping should extend to a minimum depth of 2 to 4 inches, or until all organics in excess of 3 percent by volume are removed. Deeper stripping may be required in localized areas. These materials will not be suitable for reuse as Engineered Fill. However, stripped topsoil may be stockpiled and reused in landscape or non-structural areas.

Approximately 1 to 17 feet of fill material was encountered within the borings and test pits advanced throughout the site. The fill material predominately consisted of silty sand, clayey sand, and silty sand with clay. Some of these soils contained varying amounts of gravel, concrete, asphaltic concrete and metal debris. The thickness and extent of fill material was determined based on limited test borings and test pits and visual observation. Thicker fill may be present at the site. Limited testing was performed on the fill soils during the time of our field and laboratory investigations. The limited testing indicates that the fill material had varying strength characteristics ranging from loosely placed to compacted. Therefore, it is recommended that the fill soils be excavated and stockpiled so that the native soils can be properly prepared. These soils will be suitable for re-use as Engineered Fill provided they are cleansed of excessive organics, debris and fragments greater than 4 inches in maximum dimension. However, the clayey soils will not be suitable for reuse as non-expansive Engineered Fill. The clayey soils will be suitable for reuse as General Engineered Fill provided they are cleansed of excessive organics

and debris and are moisture-conditioned to a minimum of 2 percent above optimum moisture content. Prior to fill placement Krazan & Associates, Inc. should inspect the bottom of the excavation to verify no additional removal will be required.

The site is located in the vicinity of several structures. In addition, the site is located adjacent to an existing slough. Associated with these developments are buried structures, such as utility lines and irrigation lines that may extend into the site. Any surface or buried structures, including utilities or loosely backfilled excavations, encountered during construction should be properly removed and the resulting excavations backfilled. After demolition activities, it is recommended that these disturbed soils be removed and/or recompacted. Excavations, depressions, or soft and pliant areas extending below planned, finished subgrade levels should be cleaned to firm, undisturbed soil and backfilled with Engineered Fill. In general, any septic tanks, debris pits, cesspools, or similar structures should be entirely removed. Concrete footings should be removed to an equivalent depth of at least 3 feet below proposed footing elevations or as recommended by the Soils Engineer. Any other buried structures should be removed in accordance with the recommendations of the Soils Engineer. The resulting excavations should be backfilled with Engineered Fill.

The Watsonville Slough trends along portions of the site. All deleterious material and fill material should be removed from the site and the resulting excavation should be cleaned to firm native soil, and backfilled with Engineered Fill compacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557.

Following stripping, fill removal, and demolition activities, it is recommended that at a minimum, the upper 12 inches of exposed subgrade beneath the building pad, exterior flatwork and pavement areas be excavated, worked until uniform and free from large clods, moisture-conditioned to a minimum of 2 percent above optimum moisture content, and recompacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557. In addition, foundations should be supported by a minimum of 12 inches of Engineered Fill. Prior to backfilling, the bottom of the excavation should be proof-rolled and observed by Krazan & Associates, Inc. to verify stability. This compaction effort should stabilize the upper soils and locate any unsuitable or pliant areas not found during our field investigation.

It is recommended that the upper 12 inches of soil within proposed slab-on-grade and exterior flatwork areas consist of non-expansive Engineered Fill or lime-treated Engineered Fill. The fill placement serves two functions: 1) it provides a uniform amount of soil which will more evenly distribute the soil pressures and 2) it reduces moisture content fluctuation in the clayey material beneath the building area. The non-expansive fill material should be a well-graded silty sand or sandy silt soil. A clean sand or very sandy soil is not acceptable for this purpose. A sandy soil will allow the surface water to drain into the expansive clayey soil below, which may result in soil swelling. Imported Fill should be approved by the Soils Engineer prior to placement. The fill should be placed as specified as Engineered Fill.

The upper soils, during wet winter months, become very moist due to the absorptive characteristics of the soil. Earthwork operations performed during winter months may encounter very moist unstable soils, which may require removal to grade a stable building foundation. Project site winterization consisting of placement of aggregate base and protecting exposed soils during the construction phase should be performed.

A representative of our firm should be present during all site clearing and grading operations to test and observe earthwork construction. This testing and observation is an integral part of our service, as acceptance of earthwork construction is dependent upon compaction and stability of the material. The Soils Engineer may reject any material that does not meet compaction and stability requirements. Further recommendations of this report are predicated upon the assumption that earthwork construction will conform to recommendations set forth in this section and the Engineered Fill section.

Engineered Fill

The on-site, upper native soils and fill material are predominately silty sands, clayey sands, sandy clays, silty clays and sands. Some of these soils contained varying amounts of gravel. In addition, the fill soils were intermixed with debris consisting of concrete and asphaltic concrete pieces. These soils will be suitable for re-use as Engineered Fill provided they are cleansed of excessive organics, debris and fragments greater than 4 inches in maximum dimension. However, the clayey soils will not be suitable for reuse as non-expansive Engineered Fill. The clayey soils will be suitable for reuse for fill placement within the upper 12 inches of slab-on-grade and exterior flatwork areas, provided they are lime-treated. The preliminary application rate of lime should be 5 percent by dry weight. The lime material should be calcium oxide, commonly known as quick-lime. The clayey soils should be above optimum moisture-condition during mixing operations. Additional testing is recommended to determine the appropriate application rate of lime prior to placement. The clayey soils will be suitable for reuse as General Engineered Fill within pavement areas and below 12 inches from finished pad grade in slab-on-grade and exterior flatwork areas, provided they are cleansed of excessive organics, debris, and moisture-conditioned to at least 2 percent above optimum moisture. It is recommended that additional testing be performed on the on-site soils and fill material to evaluate the physical and index properties prior to reuse as Engineered Fill. Organic rich soils will not be suitable for re-use as structural Engineered Fill.

The preferred materials specified for Engineered Fill are suitable for most applications with the exception of exposure to erosion. Project site winterization and protection of exposed soils during the construction phase should be the sole responsibility of the Contractor, since he has complete control of the project site at that time.

Imported Fill should consist of a well-graded, slightly cohesive, fine silty sand or sandy silt soil, with relatively impervious characteristics when compacted. This material should be approved by the Soils Engineer prior to use and should typically possess the following characteristics:

Percent Passing No. 200 Sieve	20 to 50
Plasticity Index	10 maximum
UBC Standard 29-2 Expansion Index	15 maximum

Fill soils should be placed in lifts approximately 6 inches thick, moisture-conditioned to a minimum of 2 percent above optimum moisture content, and compacted to achieve at least 90 percent of maximum density based on ASTM D1557. Additional lifts should not be placed if the previous lift did not meet the required dry density or if soil conditions are not stable.

Drainage and Landscaping

The ground surface should slope away from building pad and pavement areas toward appropriate drop inlets or other surface drainage devices. In accordance with Section 1804 of the 2016 California Building Code, it is recommended that the ground surface adjacent to foundations be sloped a minimum of 5 percent for a minimum distance of 10 feet away from structures, or to an approved alternative means of drainage conveyance. Swales used for conveyance of drainage and located within 10 feet of foundations should be sloped a minimum of 2 percent. Impervious surfaces, such as pavement and exterior concrete flatwork, within 10 feet of building foundations should be sloped a minimum of 1 percent away from the structure. Drainage gradients should be maintained to carry all surface water to collection facilities and off-site. These grades should be maintained for the life of the project.

Slots or weep holes should be placed in drop inlets or other surface drainage devices in pavement areas to allow free drainage of adjoining base course materials. Cutoff walls should be installed at pavement edges adjacent to vehicular traffic areas these walls should extend to a minimum depth of 12 inches below pavement subgrades to limit the amount of seepage water that can infiltrate the pavements. Where cutoff walls are undesirable subgrade drains can be constructed to transport excess water away from planters to drainage interceptors. If cutoff walls can be successfully used at the site, construction of subgrade drains is considered unnecessary.

Utility Trench Backfill

Utility trenches should be excavated according to accepted engineering practice following OSHA (Occupational Safety and Health Administration) standards by a Contractor experienced in such work. The responsibility for the safety of open trenches should be borne by the Contractor. Traffic and vibration adjacent to trench walls should be minimized; cyclic wetting and drying of excavation side slopes should be avoided. Depending upon the location and depth of some utility trenches, groundwater flow into open excavations could be experienced; especially during or following periods of precipitation.

Utility trench backfill placed in or adjacent to buildings and exterior slabs should be compacted to at least 90 percent of maximum density based on ASTM Test Method D1557. The utility trench backfill placed in pavement areas should be compacted to at least 90 percent of maximum density based on ASTM Test Method D1557. Pipe bedding should be in accordance with pipe manufacturer's recommendations.

Sandy and gravelly soil conditions were encountered at the site. These cohesionless soils have a tendency to cave in trench wall excavations. Shoring or sloping back trench sidewalls may be required within these sandy and gravelly soils.

The Contractor is responsible for removing all water-sensitive soils from the trench regardless of the backfill location and compaction requirements. The Contractor should use appropriate equipment and methods to avoid damage to the utilities and/or structures during fill placement and compaction.

Foundations - Conventional

After completion of the recommended site preparation, the site should be suitable for shallow footing support. The proposed structures may be supported on a shallow foundation system bearing on a minimum of 12 inches of Engineered Fill. Spread and continuous footings can be designed for the following maximum allowable soil bearing pressures:

Load	Allowable Loading
Dead Load Only	1,875 psf
Dead-Plus-Live Load	2,500 psf
Total Load, Including Wind or Seismic Loads	3,325 psf

The footings should have a minimum embedment depth of 18 inches below pad subgrade (soil grade) or adjacent exterior grade, whichever is lower. Footings should have a minimum width of 12 inches, regardless of load.

The footing excavations should not be allowed to dry out any time prior to pouring concrete. It is recommended that footings be reinforced by at least one No. 4 reinforcing bar in both top and bottom.

Resistance to lateral footing displacement can be computed using an allowable friction factor of 0.3 acting between the base of foundations and the supporting subgrade. Lateral resistance for footings can alternatively be developed using an equivalent fluid passive pressure of 250 pounds per cubic foot acting against the appropriate vertical footing faces. The frictional and passive resistance of the soil may be combined without reduction in determining the total lateral resistance. A ⅓ increase in the value above may be used for short duration, wind, or seismic loads.

The total static movement is not expected to exceed 1 inch. Differential static movement should be less than ½ inch. Most of the static settlement is expected to occur during construction, as the loads are applied. However, additional post-construction movement may occur if the foundation soils are flooded or saturated. The total and differential estimated movements associated with a seismic event are less than ¼ inch.

Floor Slabs and Exterior Flatwork

To reduce post-construction soil movement beneath floor slabs and exterior flatwork, it is recommended that mitigation measures be performed. For conventional slab-on-grade floors and exterior flatwork, it is recommended that the upper 12 inches of soil consist of non-expansive or lime-treated Engineered Fill.

In areas that will utilize moisture-sensitive floor coverings, concrete slab-on-grade floors should be underlain by a water vapor retarder. The water vapor retarder should be installed in accordance with accepted engineering practice. The water vapor retarder should consist of a vapor retarder sheeting underlain by a minimum of 3 inches of compacted, clean, gravel of ¾-inch maximum size. To aid in concrete curing an optional 2 to 4 inches of granular fill may be placed on top of the vapor retarder. The granular fill should consist of damp clean sand with at least 10 to 30 percent of the sand passing the 100 sieve. The sand should be free of clay, silt, or organic material. Rock dust which is manufactured sand from rock crushing operations is typically suitable for the granular fill. This granular fill material should be compacted.

It is recommended that the concrete slabs be reinforced at a minimum with No. 3 reinforcing bars, placed at 18 inches on center in each direction within the slabs middle third, to reduce crack separation and possible vertical offset at the cracks. Thicker floor slabs with increased concrete strength and reinforcement should be designed wherever heavy concentrated loads, heavy equipment, or machinery is anticipated.

The exterior floors should be poured separately in order to act independently of the walls and foundation system. Exterior finish grades should be sloped a minimum of 2 percent away from all interior slab areas to preclude ponding of water adjacent to the structures. All fills required to bring the building pads to grade should be Engineered Fills.

Moisture within the structure may be derived from water vapors, which were transformed from the moisture within the soils. This moisture vapor can travel through the vapor membrane and penetrate the slab-on-grade. This moisture vapor penetration can affect floor coverings and produce mold and mildew in the structure. To reduce moisture vapor intrusion, it is recommended that a vapor retarder be installed. It is recommended that the utility trenches within the structure be compacted, as specified in our report, to reduce the transmission of moisture through the utility trench backfill. Special attention to the immediate drainage and irrigation around the building is recommended. Positive drainage should be established away from the structure and should be maintained throughout the life of the structure.

Ponding of water should not be allowed adjacent to the structure. Over-irrigation within landscaped areas adjacent to the structure should not be performed. In addition, ventilation of the structure (i.e. ventilation fans) is recommended to reduce the accumulation of interior moisture.

Lateral Earth Pressures and Retaining Walls

Walls retaining horizontal backfill and capable of deflecting a minimum of 0.1 percent of its height at the top may be designed using an equivalent fluid active pressure of 50 pounds per square foot per foot of depth. Walls that are incapable of this deflection or walls that are fully constrained against deflection may be designed for an equivalent fluid at-rest pressure of 70 pounds per square foot per foot per depth. Expansive soils should not be used for backfill against walls. The wedge of non-expansive backfill material should extend from the bottom of each retaining wall outward and upward at a slope of 2:1 (horizontal to vertical) or flatter. The stated lateral earth pressures do not include the effects of hydrostatic water pressures generated by infiltrating surface water that may accumulate behind the retaining walls; or loads imposed by construction equipment, foundations, or roadways. All of the above earth pressures are unfactored and are, therefore, not inclusive of factors of safety.

During grading and backfilling operations adjacent to any walls, heavy equipment should not be allowed to operate within a lateral distance of 5 feet from the wall, or within a lateral distance equal to the wall height, whichever is greater, to avoid developing excessive lateral pressures. Within this zone, only hand operated equipment ("whackers," vibratory plates, or pneumatic compactors) should be used to compact the backfill soils.

Retaining and/or below grade walls should be drained with either perforated pipe encased in free-draining gravel or a prefabricated drainage system. The gravel zone should have a minimum width of 12 inches wide and should extend upward to within 12 inches of the top of the wall. The upper 12 inches of backfill should consist of native soils, concrete, asphaltic concrete or other suitable backfill to minimize surface drainage into the wall drain system. The aggregate should conform to Class 2 permeable materials graded in accordance with the CalTrans Standard Specifications (2010). Prefabricated drainage systems, such as Miradrain®, Enkadrain®, or an equivalent substitute, are acceptable alternatives in lieu of gravel provided they are installed in accordance with the manufacturer's recommendations. If a prefabricated drainage system is proposed, our firm should review the system for final acceptance prior to installation.

Drainage pipes should be placed with perforations down and should discharge in a non-erosive manner away from foundations and other improvements. The pipes should be placed no higher than 6 inches above the heel of the wall in the center line of the drainage blanket and should have a minimum diameter of 4 inches. Collector pipes may be either slotted or perforated. Slots should be no wider than ⅛ inch in diameter, while perforations should be no more than ¼ inch in diameter. If retaining walls are less than 6 feet in height, the perforated pipe may be omitted in lieu of weep holes on 4 feet maximum spacing. The weep holes should consist of 4-inch diameter holes (concrete walls) or unmortared head joints (masonry walls) and not be higher than 18 inches above the lowest adjacent grade. Two 8-inch square overlapping patches of geotextile fabric (conforming to the CalTrans Standard Specifications for "edge drains") should be affixed to the rear wall opening of each weep hole to retard soil piping.

R-Value Test Results and Pavement Design

Two R-value samples were obtained from the project site at the locations shown on the attached site plan. The samples were tested in accordance with the State of California Materials Manual Test Designation 301. Results of the tests are as follows:

Sample	Depth	Description	R-Value at Equilibrium
1	12-24"	Clayey Sand (SC)	30
2	12-24"	Clayey Sand (SC)	35

The test results are moderate and indicate fair subgrade support characteristics under dynamic traffic loads. The following table shows the recommended pavement sections for various traffic indices based.

Traffic Index	Asphaltic Concrete	Class II Aggregate Base*	Class III Aggregate Subbase*	Compacted Subgrade**
4.0	2.0"	5.0"	--	12.0"
4.0	2.0"	4.5"	2.0"	12.0"
4.5	2.5"	5.0"	--	12.0"
4.5	2.5"	4.5"	2.0"	12.0"
5.0	2.5"	6.5"	--	12.0"
5.0	2.5"	5.0"	2.0"	12.0"
5.5	3.0"	6.5"	--	12.0"
5.5	3.0"	5.0"	2.0"	12.0"
6.0	3.0"	8.5"	--	12.0"
6.0	3.0"	6.5"	2.0"	12.0"
6.5	3.5"	8.5"	--	12.0"
6.5	3.5"	6.0"	3.0"	12.0"
7.0	4.0"	9.5"	--	12.0"
7.0	4.0"	6.5"	3.0"	12.0"
7.5	4.0"	10.5"	--	12.0"
7.5	4.0"	7.5"	3.5"	12.0"

** 95% compaction based on ASTM Test Method D1557 or CAL 216*
*** 90% compaction based on ASTM Test Method D1557 or CAL 216*

If traffic indices are not available, an estimated (typical value) index of 4.5 may be used for light automobile traffic and an index of 7.0 may be used for light truck traffic.

The following recommendations are for light-duty and heavy-duty Portland Cement Concrete pavement sections.

PORTLAND CEMENT PAVEMENT
LIGHT DUTY

Traffic Index	Portland Cement Concrete***	Class II Aggregate Base*	Compacted Subgrade**
4.5	5.0"	4.0"	12.0"

HEAVY DUTY

Traffic Index	Portland Cement Concrete***	Class II Aggregate Base*	Compacted Subgrade**
7.0	7.0"	4.0"	12.0"

** 95% compaction based on ASTM Test Method D1557 or CAL 216*
*** 90% compaction based on ASTM Test Method D1557 or CAL 216*
****Minimum compressive strength of 3000 psi*

It is recommended that any uncertified fill material encountered within pavement areas be removed and/or recompacted. The fill materials should be moisture-conditioned to near optimum moisture and recompacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557. As an alternative, the Owner may elect not to recompact the existing fill within paved areas. However, the Owner should be aware that the paved areas may settle which may require annual maintenance. At a minimum, it is recommended that the upper 12 inches of subgrade soil be moisture-conditioned as necessary and recompacted to a minimum of 90 percent of maximum density based on ASTM Test Method D1557.

Seismic Parameters – 2016 California Building Code

The Site Class per Section 1613 of the 2016 California Building Code (2016 CBC) and Table 20.3-1 of ASCE 7-10 is based upon the site soil conditions. It is our opinion that a Site Class D is most consistent with the subject site soil conditions. For seismic design of the structures based on the seismic provisions of the 2016 CBC, we recommend the following parameters:

Seismic Item	Value	CBC Reference
Site Class	D	Section 1613.3.2
Site Coefficient F_a	1.000	Table 1613.3.3 (1)
S_s	1.929	Section 1613.3.1
S_{MS}	1.929	Section 1613.3.3
S_{DS}	1.286	Section 1613.3.4
Site Coefficient F_v	1.500	Table 1613.3.3 (2)
S_1	0.745	Section 1613.3.1
S_{M1}	1.118	Section 1613.3.3
S_{D1}	0.745	Section 1613.3.4

Soil Cement Reactivity

Excessive sulfate in either the soil or native water may result in an adverse reaction between the cement in concrete (or stucco) and the soil. HUD/FHA and CBC have developed criteria for evaluation of sulfate levels and how they relate to cement reactivity with soil and/or water.

Soil samples were obtained from the site and tested in accordance with State of California Materials Manual Test Designation 417. The sulfate concentrations detected from these soil samples were less than 150 ppm and are below the maximum allowable values established by HUD/FHA and CBC. However, it is recommended that a Type II cement be used within the concrete to compensate for sulfate reactivity with the cement.

Compacted Material Acceptance

Compaction specifications are not the only criteria for acceptance of the site grading or other such activities. However, the compaction test is the most universally recognized test method for assessing the performance of the Grading Contractor. The numerical test results from the compaction test cannot be used to predict the engineering performance of the compacted material. Therefore, the acceptance of compacted materials will also be dependent on the stability of that material. The Soils Engineer has the option of rejecting any compacted material regardless of the degree of compaction if that material is considered to be unstable or if future instability is suspected. A specific example of rejection of fill material passing the required percent compaction is a fill which has been compacted with an in situ moisture content significantly less than optimum moisture. This type of dry fill (brittle fill) is susceptible to future settlement if it becomes saturated or flooded.

Testing and Inspection

A representative of Krazan & Associates, Inc. should be present at the site during the earthwork activities to confirm that actual subsurface conditions are consistent with the exploratory fieldwork. This activity is an integral part of our service, as acceptance of earthwork construction is dependent upon compaction testing and stability of the material. This representative can also verify that the intent of these recommendations is incorporated into the project design and construction. Krazan & Associates, Inc. will not be responsible for grades or staking, since this is the responsibility of the Prime Contractor.

LIMITATIONS

Soils Engineering is one of the newest divisions of Civil Engineering. This branch of Civil Engineering is constantly improving as new technologies and understanding of earth sciences advance. Although your site was analyzed using the most appropriate and most current techniques and methods, undoubtedly there will be substantial future improvements in this branch of engineering. In addition to advancements in the field of Soils Engineering, physical changes in the site, either due to excavation or fill placement, new agency regulations, or possible changes in the proposed structure after the soils report is completed may require the soils report to be professionally reviewed. In light of this, the

Owner should be aware that there is a practical limit to the usefulness of this report without critical review. Although the time limit for this review is strictly arbitrary, it is suggested that 2 years be considered a reasonable time for the usefulness of this report.

Foundation and earthwork construction is characterized by the presence of a calculated risk that soil and groundwater conditions have been fully revealed by the original foundation investigation. This risk is derived from the practical necessity of basing interpretations and design conclusions on limited sampling of the earth. The recommendations made in this report are based on the assumption that soil conditions do not vary significantly from those disclosed during our field investigation. If any variations or undesirable conditions are encountered during construction, the Soils Engineer should be notified so that supplemental recommendations may be made.

The conclusions of this report are based on the information provided regarding the proposed construction. If the proposed construction is relocated or redesigned, the conclusions in this report may not be valid. The Soils Engineer should be notified of any changes so the recommendations may be reviewed and re-evaluated.

This report is a Geotechnical Engineering Investigation with the purpose of evaluating the soil conditions in terms of foundation design. The scope of our services did not include any Environmental Site Assessment for the presence or absence of hazardous and/or toxic materials in the soil, groundwater, or atmosphere; or the presence of wetlands. Any statements, or absence of statements, in this report or on any boring log regarding odors, unusual or suspicious items, or conditions observed, are strictly for descriptive purposes and are not intended to convey engineering judgment regarding potential hazardous and/or toxic assessment.

The geotechnical engineering information presented herein is based upon professional interpretation utilizing standard engineering practices and a degree of conservatism deemed proper for this project. It is not warranted that such information and interpretation cannot be superseded by future geotechnical engineering developments. We emphasize that this report is valid for the project outlined above and should not be used for any other sites.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (925) 307-1160.

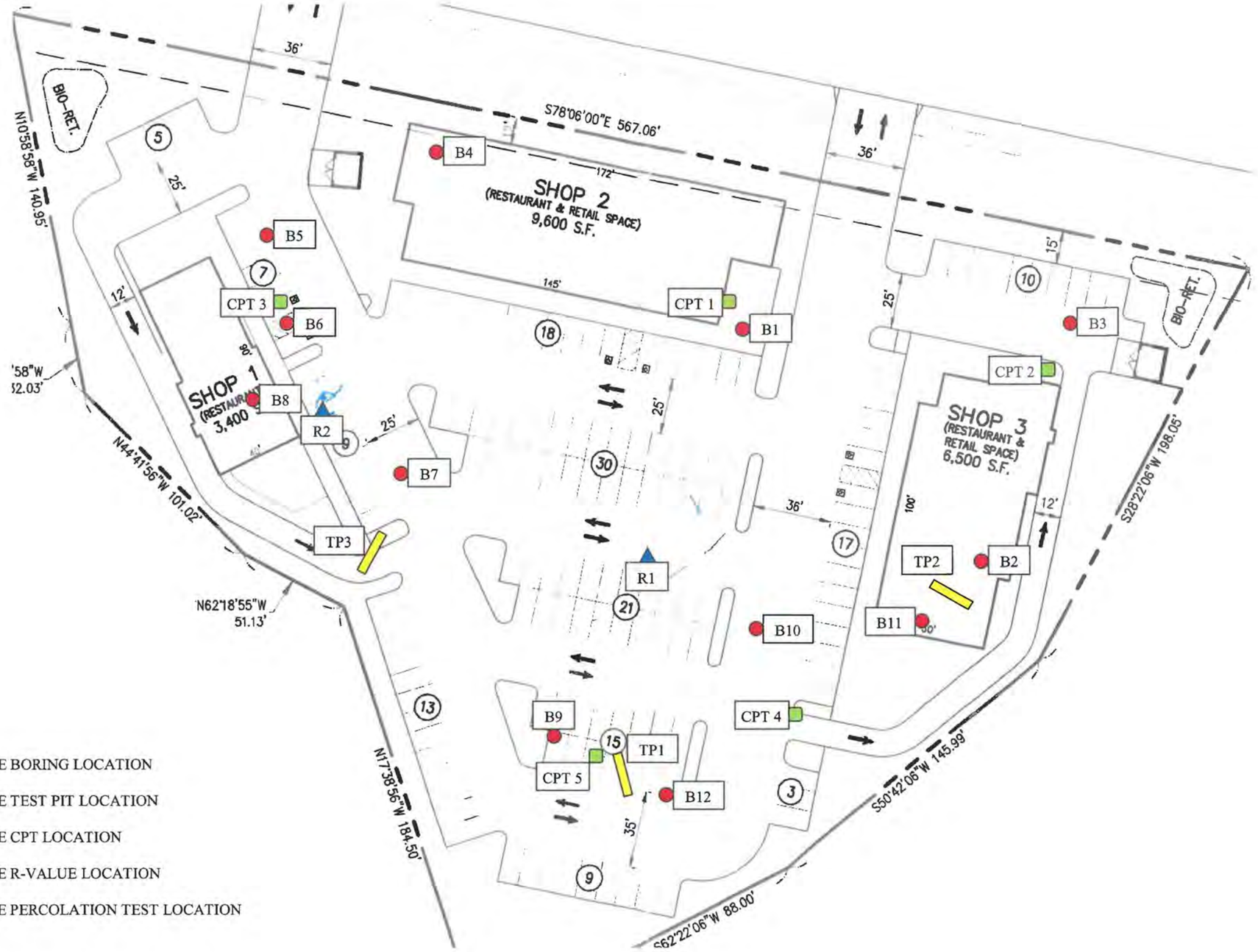
Respectfully submitted,
KRAZAN & ASSOCIATES, INC.



Steve Nelson
Project Engineer

David R. Jarosz, II
Managing Engineer
RGE No. 2698/RCE No. 60185

SN/DRJ:ht



SITE MAP	**Scale:** NTS	**Date:** October 2018	Krazan GEOTECHNICAL ENGINEERING
Commercial Development **Main Street at Auto Centre Drive** **Watsonville, California**	**Drawn by:** HT	**Approved by:** DJ	
	Project No. 042-18019	**Figure No.** 1	

APPENDIX A

FIELD AND LABORATORY INVESTIGATIONS

Field Investigation

The field investigation consisted of a surface reconnaissance and a subsurface exploratory program. Twelve 4½-inch to 6½-inch diameter exploratory borings were advanced. In addition, 3 test pits were excavated. Furthermore, five Cone Penetration Tests (CPTs) were advanced. The boring, test pit and CPT locations are shown on the attached site plan.

The soils encountered were logged in the field during the exploration and with supplementary laboratory test data are described in accordance with the Unified Soil Classification System.

Modified standard penetration tests and standard penetration tests were performed at selected depths. These tests represent the resistance to driving a 2½-inch and 1½-inch diameter split barrel sampler, respectively. The driving energy was provided by a hammer weighing 140 pounds falling 30 inches. Relatively undisturbed soil samples were obtained while performing this test. Bag samples of the disturbed soil were obtained from the auger cuttings. The modified standard penetration tests are identified in the sample type on the boring logs with a full shaded in block. The standard penetration tests are identified in the sample type on the boring logs with one-half of the block shaded. All samples were returned to our Clovis laboratory for evaluation.

Laboratory Investigation

The laboratory investigation was programmed to determine the physical and mechanical properties of the foundation soil underlying the site. Test results were used as criteria for determining the engineering suitability of the surface and subsurface materials encountered.

In-situ moisture content, dry density, consolidation, direct shear, and sieve analysis tests were completed for the undisturbed samples representative of the subsurface material. Atterberg limits, expansion index and R-value tests were completed for select bag samples obtained from the auger cuttings. These tests, supplemented by visual observation, comprised the basis for our evaluation of the site material.

The logs of the exploratory borings, test pits, CPTs and laboratory determinations are presented in this Appendix.

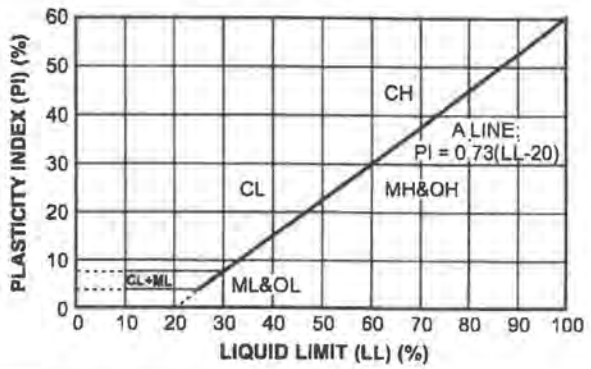
UNIFIED SOIL CLASSIFICATION SYSTEM

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART			
COARSE-GRAINED SOILS (more than 50% of material is larger than No. 200 sieve size.)			
GRAVELS More than 50% of coarse fraction larger than No. 4 sieve size	Clean Gravels (Less than 5% fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
	Gravels with fines (More than 12% fines)	GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
SANDS 50% or more of coarse fraction smaller than No. 4 sieve size	Clean Sands (Less than 5% fines)	SW	Well-graded sands, gravelly sands, little or no fines
		SP	Poorly graded sands, gravelly sands, little or no fines
	Sands with fines (More than 12% fines)	SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS (50% or more of material is smaller than No. 200 sieve size.)			
SILTS AND CLAYS Liquid limit less than 50%		ML	Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS Liquid limit 50% or greater		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS		PT	Peat and other highly organic soils

CONSISTENCY CLASSIFICATION	
Description	**Blows per Foot**
Granular Soils	
Very Loose	< 5
Loose	5 – 15
Medium Dense	16 – 40
Dense	41 – 65
Very Dense	> 65
Cohesive Soils	
Very Soft	< 3
Soft	3 – 5
Firm	6 – 10
Stiff	11 – 20
Very Stiff	21 – 40
Hard	> 40

GRAIN SIZE CLASSIFICATION		
Grain Type	*Standard Sieve Size*	*Grain Size in Millimeters*
Boulders	Above 12 inches	Above 305
Cobbles	12 to 13 inches	305 to 76.2
Gravel	3 inches to No. 4	76.2 to 4.76
Coarse-grained	3 to ¾ inches	76.2 to 19.1
Fine-grained	¾ inches to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.074
Coarse-grained	No. 4 to No. 10	4.76 to 2.00
Medium-grained	No. 10 to No. 40	2.00 to 0.042
Fine-grained	No. 40 to No. 200	0.042 to 0.074
Silt and Clay	Below No. 200	Below 0.074

PLASTICITY CHART



Log of Boring B1

Project: Commercial Development | **Project No:** 042-18019

Client: 975 Main Street Associates, LLC | **Figure No.:** A-1

Location: Main Street at Auto Centre Drive, Watsonville, CA | **Logged By:** Wayne Andrade

Depth to Water> **Initial:** 25 Feet | **At Completion:** 22¾ Feet

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.
0		Ground Surface				
		ASPHALTIC CONCRETE = 1 inch AGGREGATE BASE/OILCAKE = 3 inches				
2		***CLAYEY SILTY SAND (SM/SC)*** Medium dense, fine- to medium-grained; brown, moist, drills easily	113.2	12.2		35
4		***SILTY SAND (SM)*** FILL, fine- to medium-grained; brown, moist, drills easily				
		CLAYEY SAND (SC) Medium dense, fine- to medium-grained; brown, moist, drills easily	98.3	12.3		37
6						
8						
		SILTY SAND (SM) Medium dense, fine- to medium-grained with trace CLAY; brown, moist, drills easily	109.0	14.3		27
10						
12						
		SILTY SAND/SANDY SILT (SM/ML) Dense, fine-grained with CLAY; olive-brown, very moist, drills firmly	107.4	17.0		32
14						
16						
18						
		SILTY SAND/SAND (SM/SP) Dense, fine-grained; light brown, moist, drills firmly				
20						

Penetration Test blows/ft: 20 40 60

Water Content (%): 10 20 30 40

Drill Method: Hollow Stem | **Drill Date:** 9-12-18

Drill Rig: CME 55-2 | **Krazan and Associates** | **Hole Size:** 6½ Inches

Driller: Chris Wyneken | **Elevation:** 50 Feet

Log of Boring B1

Project: Commercial Development

Project No: 042-18019

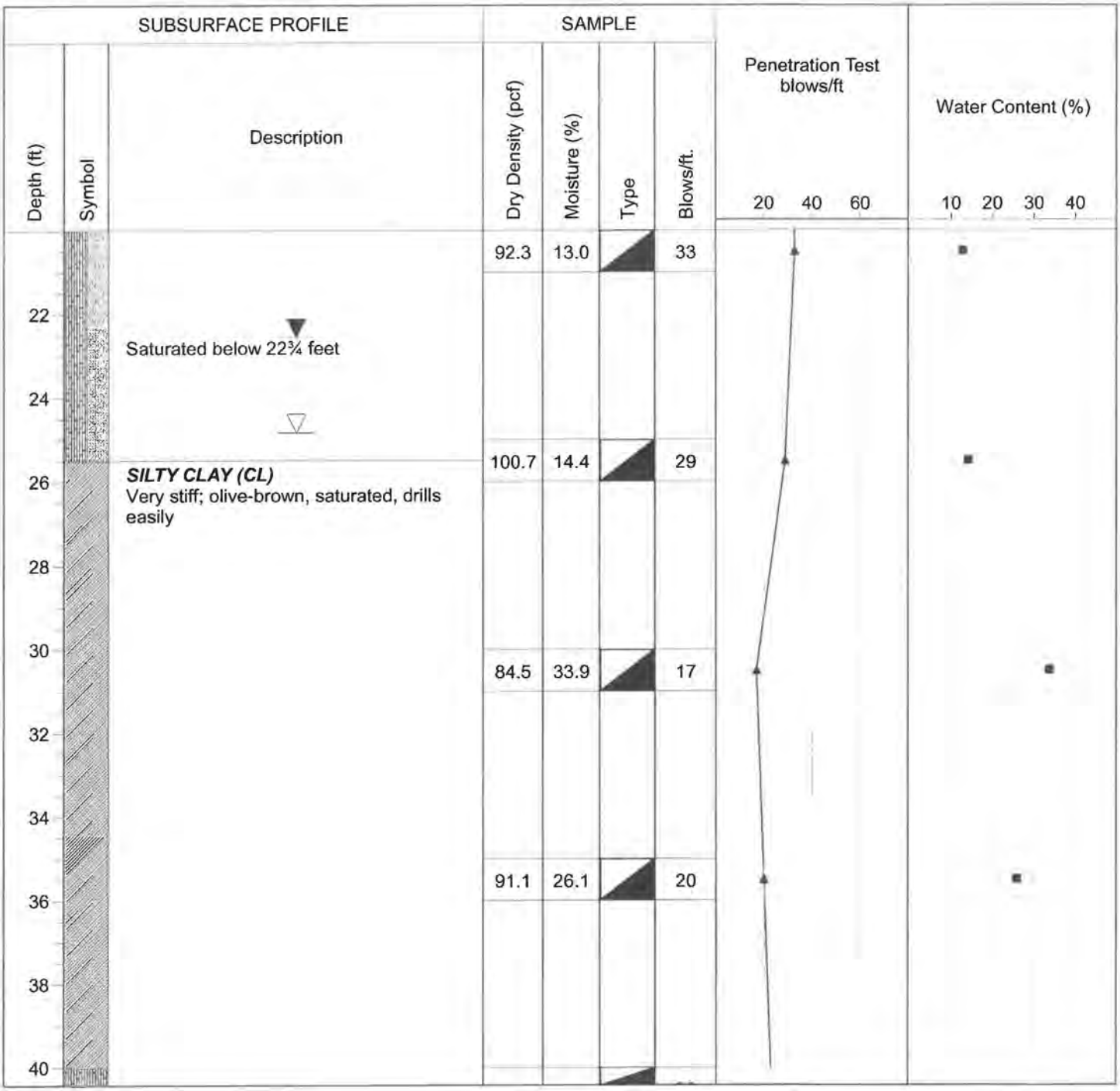
Client: 975 Main Street Associates, LLC

Figure No.: A-1

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 25 Feet **At Completion:** 22¾ Feet



Drill Method: Hollow Stem

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 50 Feet

Log of Boring B1

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-1

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 25 Feet **At Completion:** 22¾ Feet

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.
		SILTY SAND (SM) Medium dense, fine-grained; brown, saturated, drills easily	93.2	23.2		23
42						
44						
		Very dense below 45 feet	86.5	20.8		58
46						
48						
50		End of Borehole				
52						
54						
56						
58						
60						

Penetration Test blows/ft: 20 40 60

Water Content (%): 10 20 30 40

Drill Method: Hollow Stem

Drill Rig: CME 55-2

Driller: Chris Wyneken

Krazan and Associates

Drill Date: 9-12-18

Hole Size: 6½ Inches

Elevation: 50 Feet

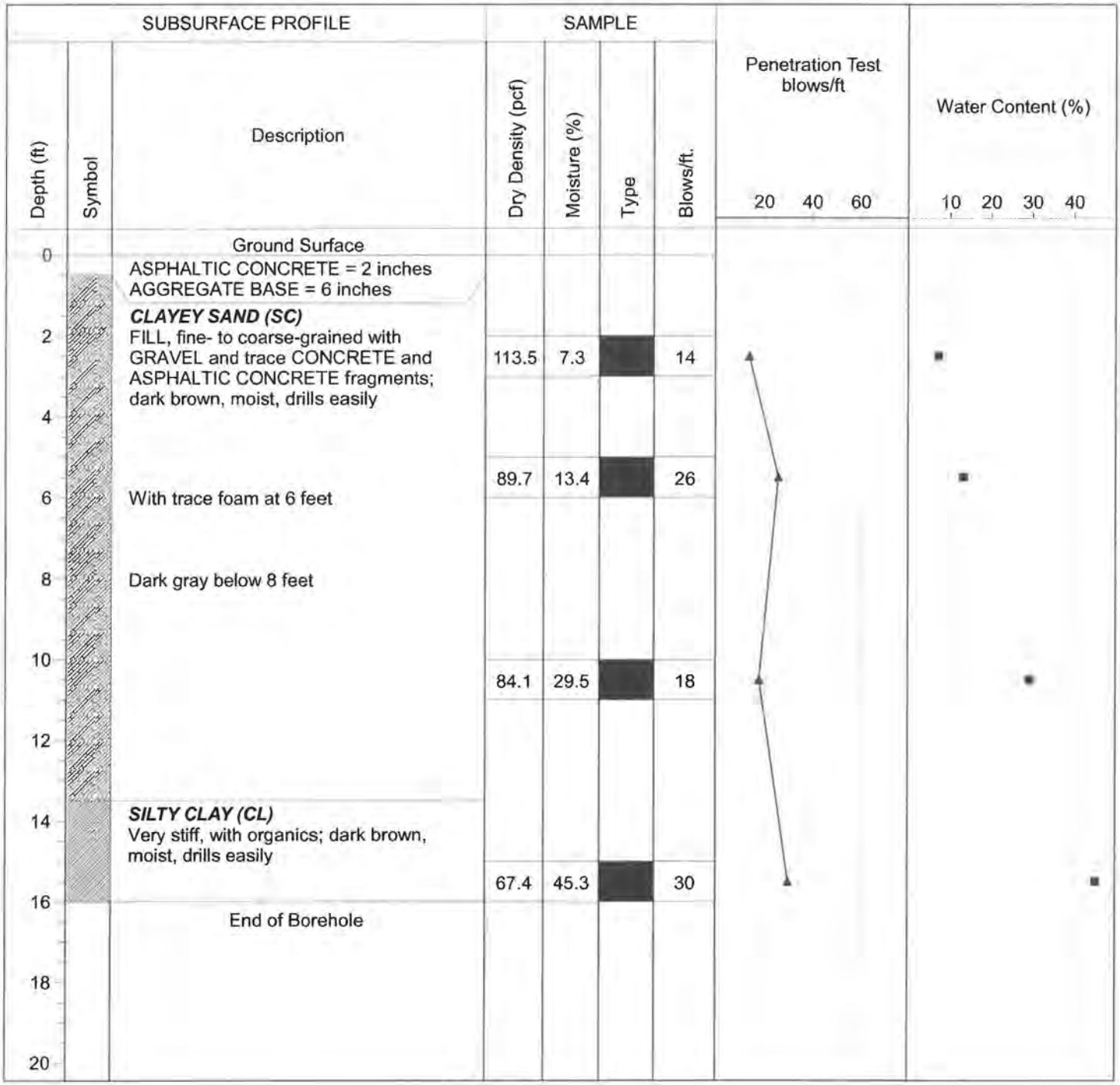
Log of Boring B2

Project: Commercial Development | **Project No:** 042-18019

Client: 975 Main Street Associates, LLC | **Figure No.:** A-2

Location: Main Street at Auto Centre Drive, Watsonville, CA | **Logged By:** Wayne Andrade

Depth to Water> | **Initial:** None | **At Completion:** None



Drill Method: Solid Flight | **Drill Date:** 9-12-18

Drill Rig: CME 55-2 | **Krazan and Associates** | **Hole Size:** 4½ Inches

Driller: Chris Wyneken | **Elevation:** 16 Feet

Sheet: 1 of 1

Log of Boring B3

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-3

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 24 Feet **At Completion:** 24 Feet

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.
0		Ground Surface				
		ASPHALTIC CONCRETE = 1½ inches AGGREGATE BASE = 8 inches				
2		***GRAVELLY CLAYEY SAND (SC)*** FILL, fine- to coarse-grained with trace CONCRETE and ASPHALTIC CONCRETE fragments; dark brown/brown, moist, drills easily	121.6	7.4		21
4						
6			120.1	8.2		17
8						
10		With increased ASPHALTIC CONCRETE fragments below 10 feet	111.2	8.2		53
12						
14		***SILTY CLAY (CL)*** Stiff; dark bluish-gray, moist, drills easily				
16		***SILTY CLAY (CL)*** Very stiff, with organics; dark brown, moist, drills easily	81.0	17.4		21
18		***CLAYEY SAND (SC)*** Loose, fine- to medium-grained; dark gray, moist, drills easily				
20						

Penetration Test blows/ft: 20 40 60

Water Content (%): 10 20 30 40

Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 25 Feet

Log of Boring B3

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-3

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 24 Feet **At Completion:** 24 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	20 40 60	10 20 30 40
			105.6	20.7		6		
22								
24		▽ Saturated below 24 feet						
		End of Borehole						
26								
28								
30								
32								
34								
36								
38								
40								

Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 25 Feet

Sheet: 2 of 2

Log of Boring B4

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-4

Location: Main Street at Auto Centre Drive, Watsonville, CA

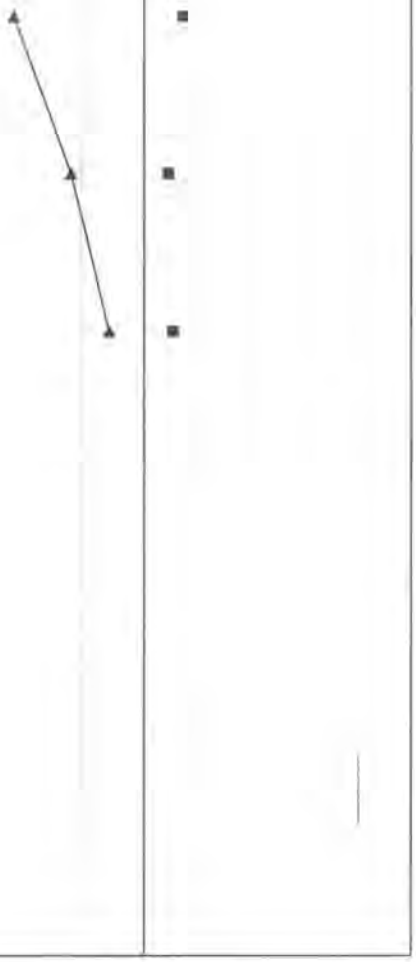
Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.
0		Ground Surface				
		ASPHALTIC CONCRETE = 1½ inches AGGREGATE BASE = 3 inches				
2		***SILTY SAND (SM)*** FILL, fine- to medium-grained; light brown, damp, drills easily	106.5	7.1	■	39
4		***SILTY SAND (SM)*** Medium dense, fine- to medium-grained with trace CLAY; light brown/brown, drills easily				
6		Dense, with thinly interbedded lenses of SAND and drills firmly below 4 feet	102.8	4.5	■	57
8		Very dense with increased SAND below 7 feet	105.3	5.3	■	69
10						
12		With increased CLAY below 12 feet				
14						
16		End of Borehole				
18						
20						



Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 15 Feet

Sheet: 1 of 1

Log of Boring B5

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-5

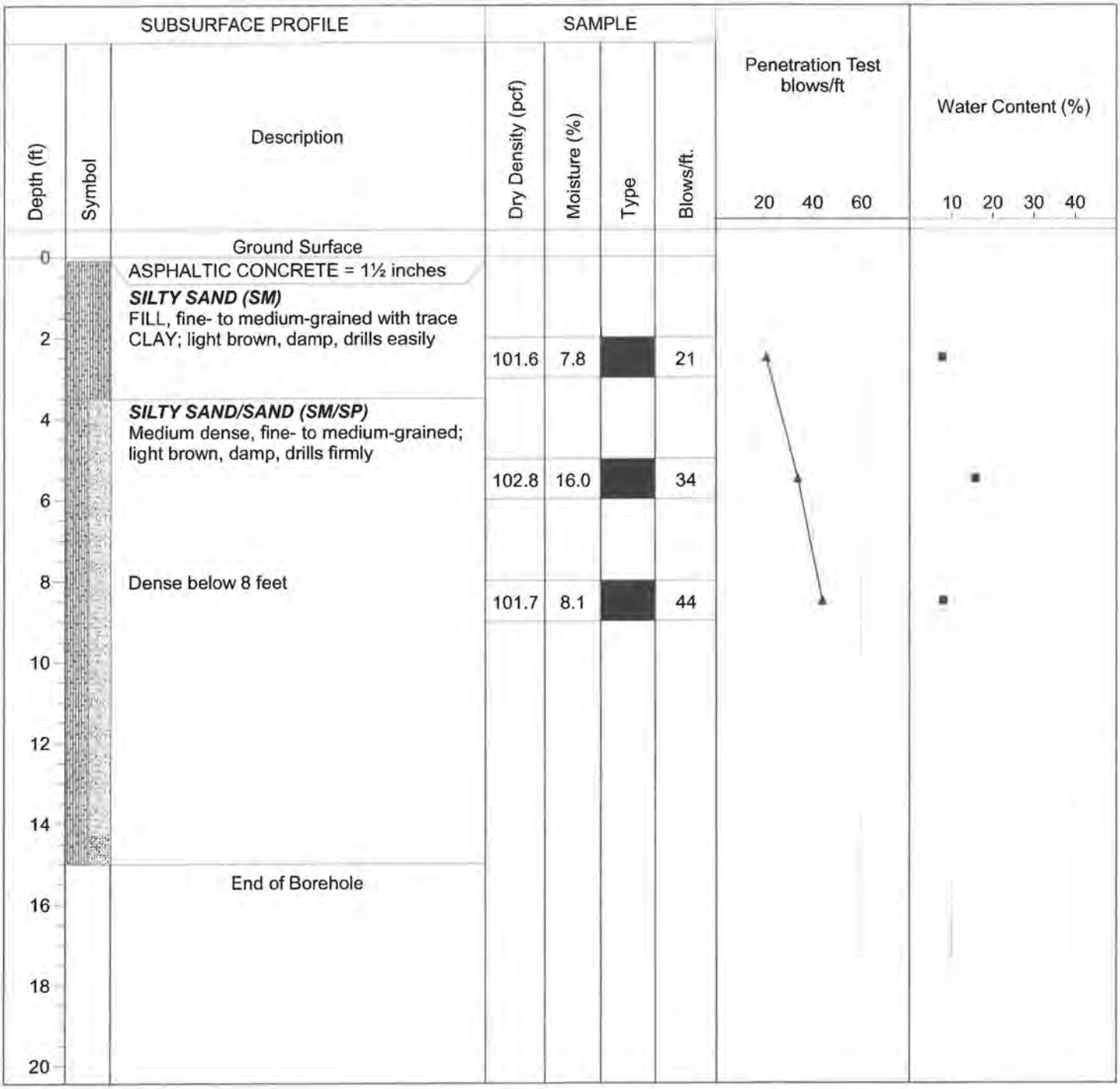
Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None



Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 15 Feet

Sheet: 1 of 1

Log of Boring B6

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-6

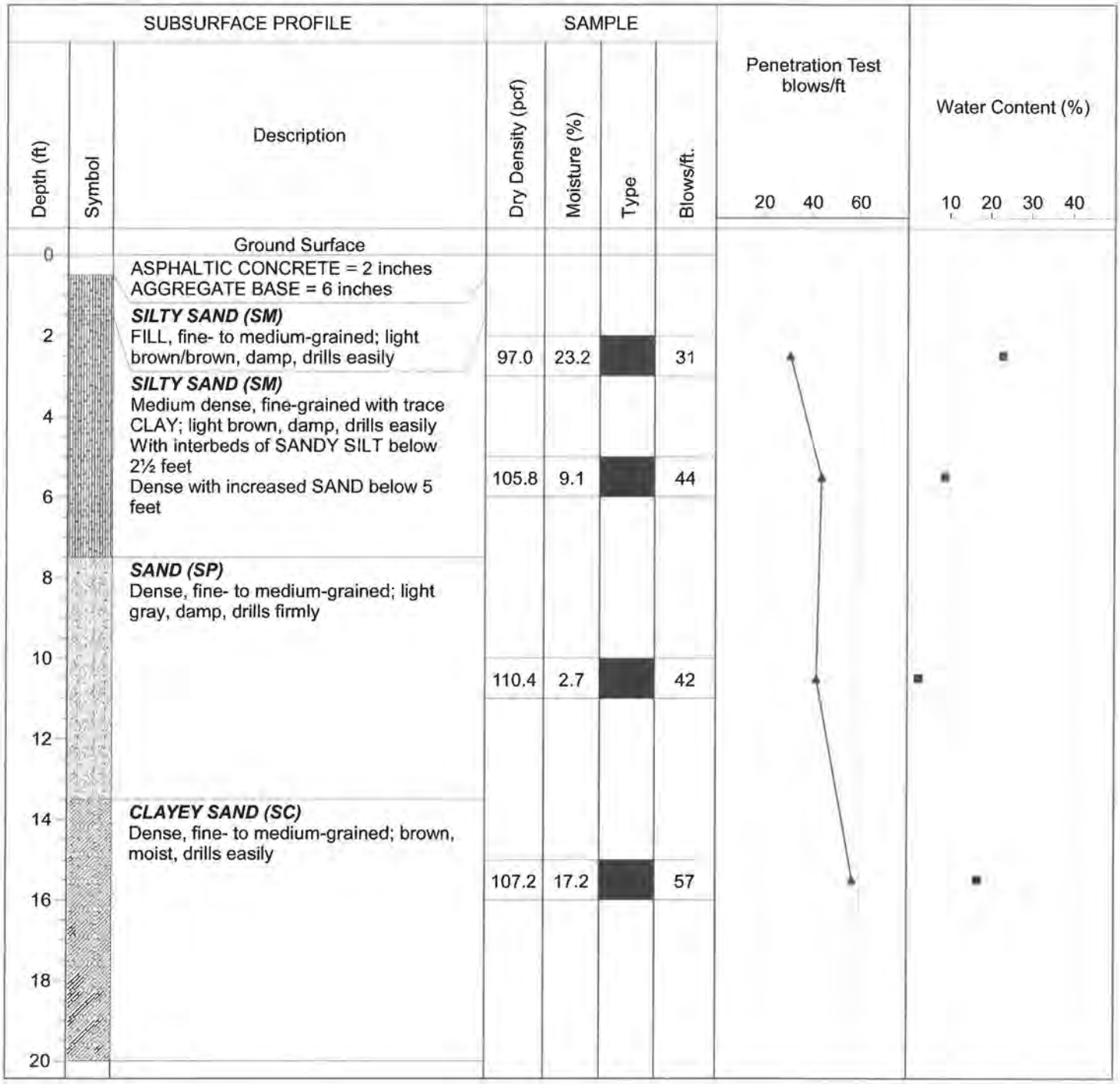
Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None



Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 20 Feet

Sheet: 1 of 1

Log of Boring B7

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-7

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.
0		Ground Surface				
		ASPHALTIC CONCRETE = 2 inches AGGREGATE BASE = 5 inches				
2		***SILTY SAND (SM)*** FILL, fine- to medium-grained; brown, damp, drills easily	110.5	8.0		44
4		***SILTY SAND (SM)*** Dense, fine- to medium-grained with trace CLAY; brown, damp, drills easily With trace lenses of SAND below 4 feet				
6			106.6	7.0		49
8						
10		End of Borehole				
12						
14						
16						
18						
20						

Penetration Test blows/ft: 20 40 60

Water Content (%): 10 20 30 40

Drill Method: Solid Flight

Drill Date: 9-12-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 10 Feet

Sheet: 1 of 1

Log of Boring B8

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-8

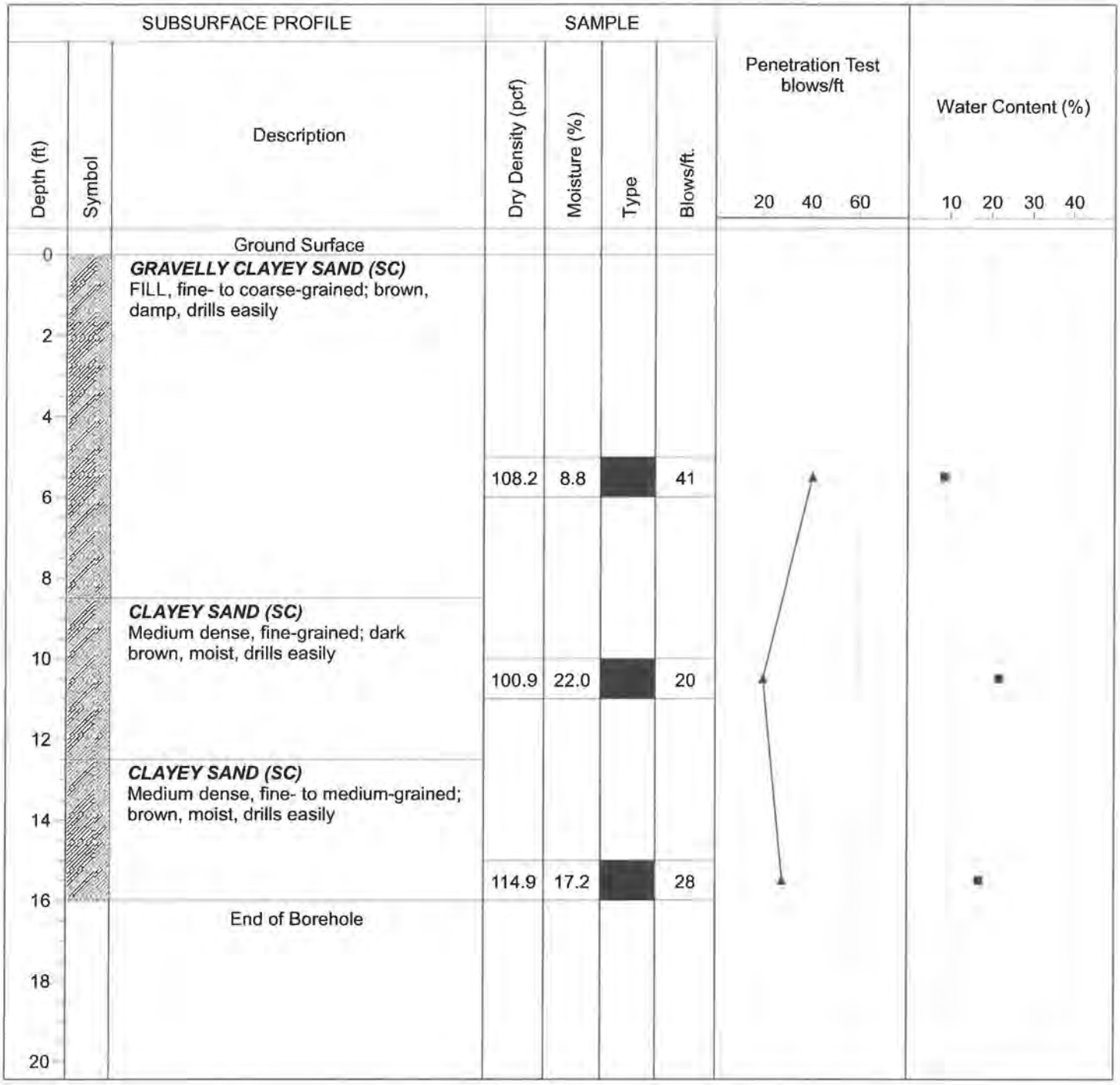
Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None



Drill Method: Solid Flight

Drill Date: 9-14-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 16 Feet

Sheet: 1 of 1

Log of Boring B9

Project: Commercial Development

Project No: 042-18019

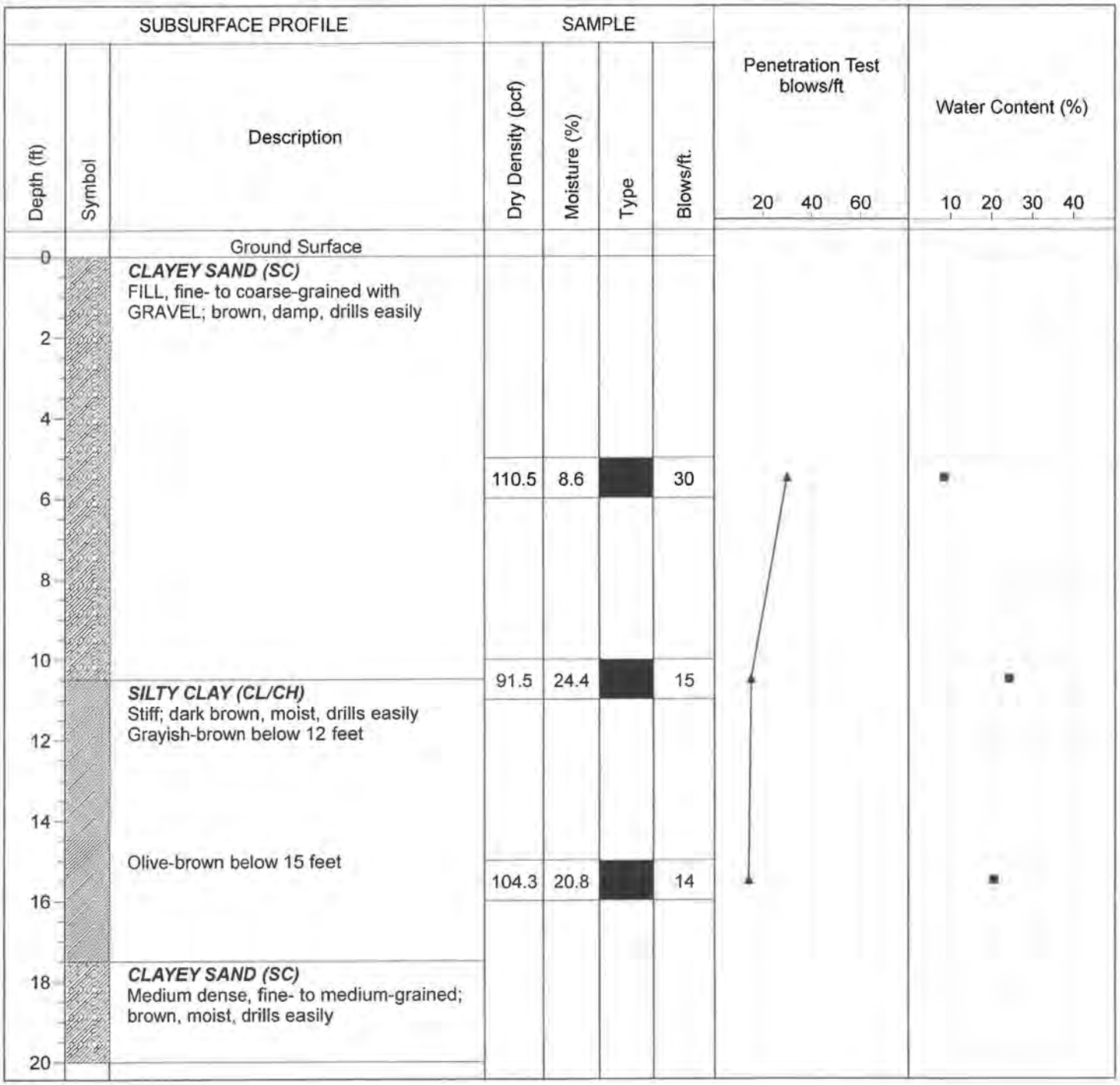
Client: 975 Main Street Associates, LLC

Figure No.: A-9

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** None **At Completion:** None



Drill Method: Solid Flight

Drill Date: 9-14-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 20 Feet

Sheet: 1 of 1

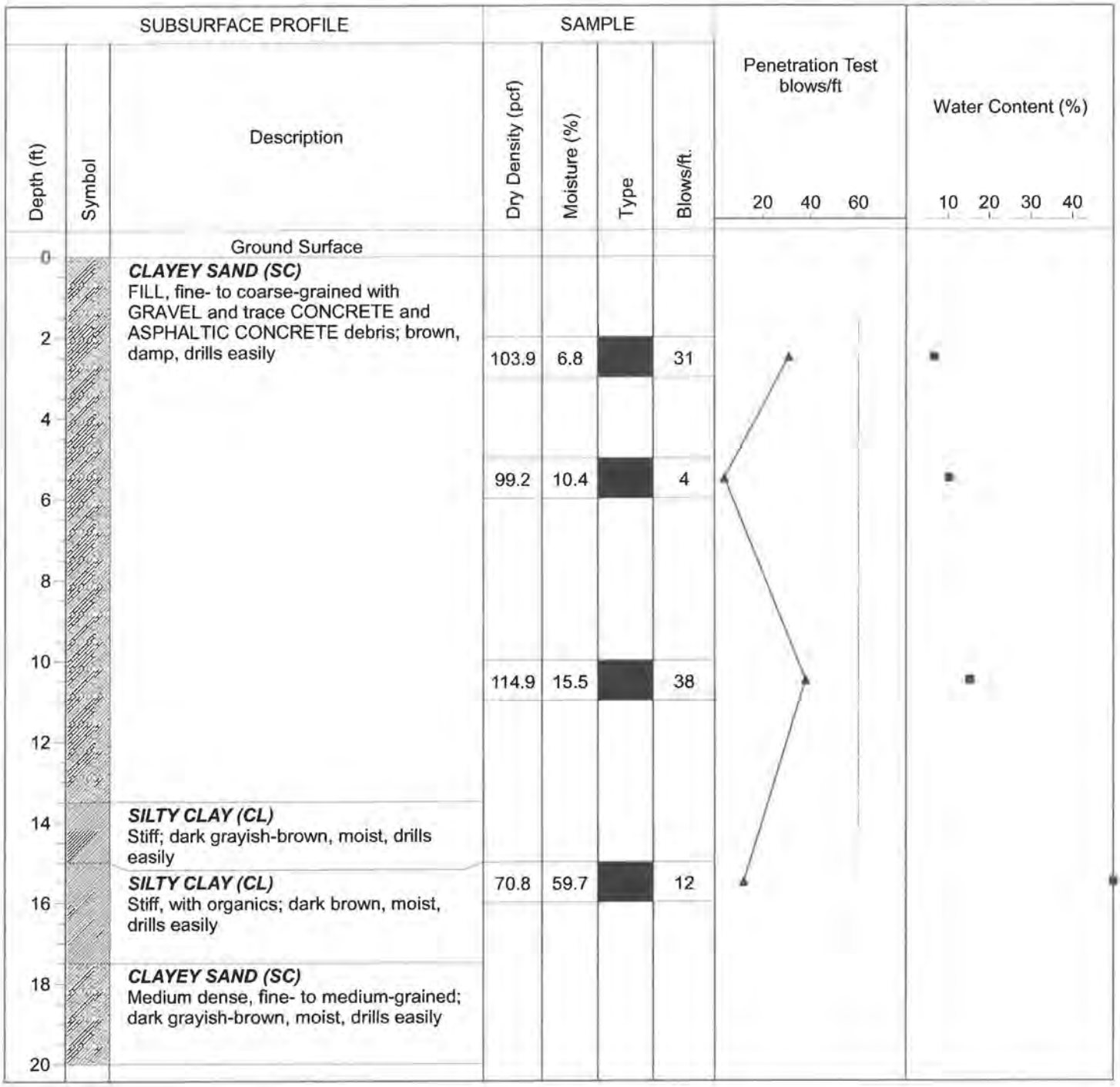
Log of Boring B10

Project: Commercial Development | **Project No:** 042-18019

Client: 975 Main Street Associates, LLC | **Figure No.:** A-10

Location: Main Street at Auto Centre Drive, Watsonville, CA | **Logged By:** Wayne Andrade

Depth to Water> | **Initial:** None | **At Completion:** None



Drill Method: Solid Flight | **Drill Date:** 9-14-18

Drill Rig: CME 55-2 | **Hole Size:** 4½ Inches

Driller: Chris Wyneken | **Elevation:** 20 Feet

Krazan and Associates

Sheet: 1 of 1

Log of Boring B11

Project: Commercial Development

Project No: 042-18019

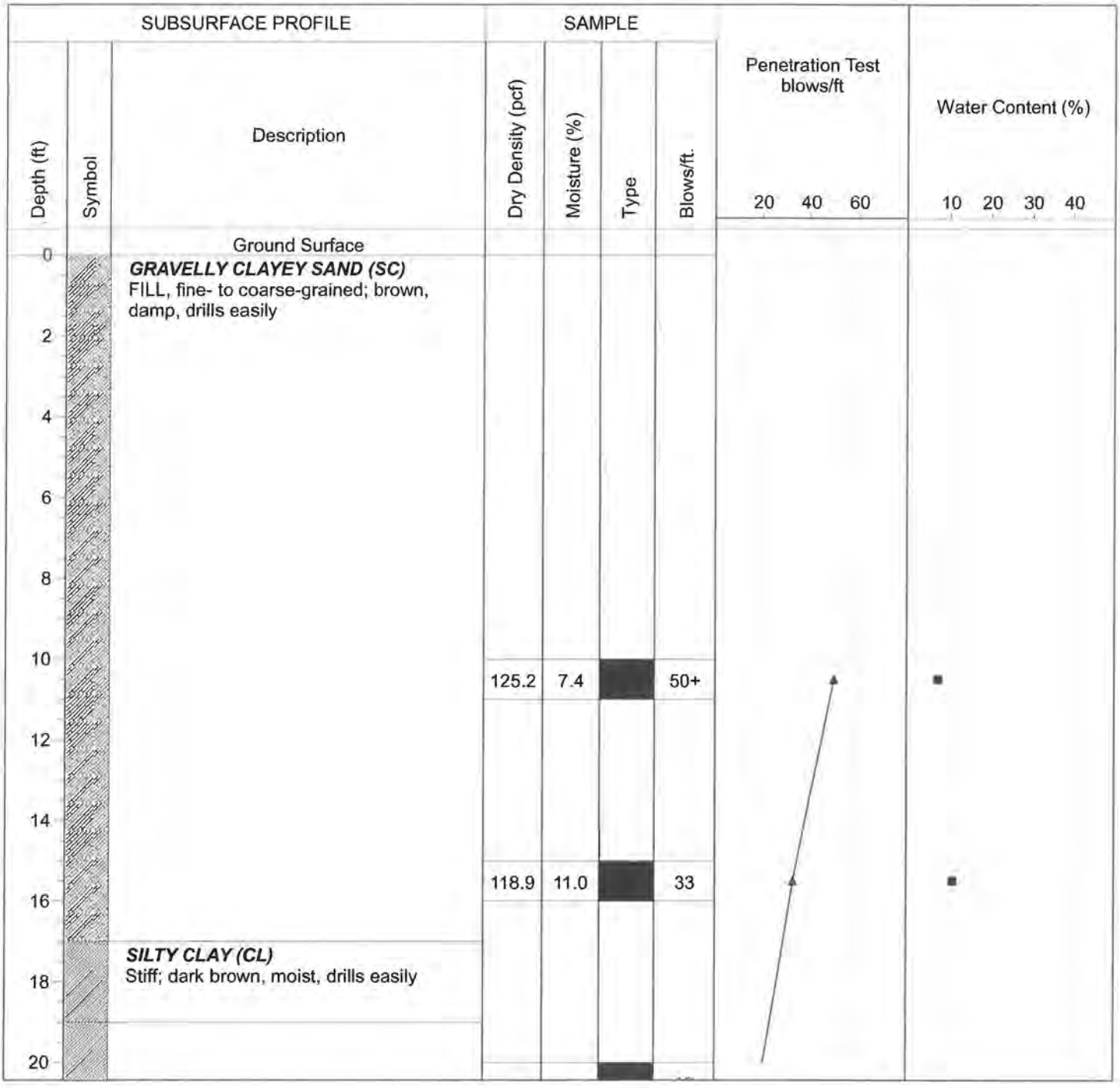
Client: 975 Main Street Associates, LLC

Figure No.: A-11

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** None **At Completion:** None



Drill Method: Solid Flight

Drill Date: 9-14-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 21 Feet

Log of Boring B11

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-11

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
		SILTY CLAY (CL) Stiff, with organics; dark brown, moist, drills easily		125.0		19		
22		End of Borehole						
24								
26								
28								
30								
32								
34								
36								
38								
40								

Drill Method: Solid Flight

Drill Date: 9-14-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 21 Feet

Log of Boring B12

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-12

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 13½ Feet **At Completion:** 13½ Feet

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
0		Ground Surface						
		CLAYEY SAND (SC) FILL, fine- to coarse-grained with GRAVEL and CONCRETE, metal, ASPHALTIC CONCRETE, garbarge and construction debris; brown, damp, drills hard						
2								
4								
6								
8								
10								
12		▽						
14		***SILTY CLAY (CL)*** Stiff; dark grayish-brown, saturated, drills easily						
			34.3	120.3	■	22		
16		***SILTY CLAY (CL)*** Stiff, with organics; dark brown, saturated, drills easily						
18		***CLAYEY SAND (SC)*** Loose, fine-grained; dark gray, saturated, drills easily						
20								

Drill Method: Solid Flight

Drill Rig: CME 55-2

Driller: Chris Wyneken

Krazan and Associates

Drill Date: 9-14-18

Hole Size: 4½ Inches

Elevation: 21 Feet

Log of Boring B12

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-12

Location: Main Street at Auto Centre Drive, Watsonville, CA

Logged By: Wayne Andrade

Depth to Water> **Initial:** 13½ Feet **At Completion:** 13½ Feet

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
			111.2	19.5		7		
22		End of Borehole						
24								
26								
28								
30								
32								
34								
36								
38								
40								

Drill Method: Solid Flight

Drill Date: 9-14-18

Drill Rig: CME 55-2

Krazan and Associates

Hole Size: 4½ Inches

Driller: Chris Wyneken

Elevation: 21 Feet

Sheet: 2 of 2

Log of Test Pit TP1

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-13

Location: Main Street and Auto Centre Drive, Watsonville, California

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
		SUBSURFACE PROFILE	SAMPLE					
0		Ground Surface						
		CLAYEY SAND (SC) FILL, fine- to coarse-grained; With GRAVEL between 1½ and 5 feet						
2		With plastic garbage below 3 feet						
4		With CONCRETE and ASPHALTIC CONCRETE chunks below 5 feet						
6		With metal, garbage and debris below 7 feet						
8								
10								
12								
14		***SILTY CLAY (CL/CH)*** Stiff; dark grayish-brown, moist, digs easily						
16		End of Test Pit						
18								
20								

Method: Backhoe

Backhoe/Excavator: Backhoe

Operator: Alan Medlock

Krazan and Associates

Excavation Date: 9-14-18

Pit Size: 24 Inches

Elevation: 15 Feet

Sheet: 1 of 1

Log of Test Pit TP2

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-14

Location: Main Street and Auto Centre Drive, Watsonville, California

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
		Ground Surface						
0		***CLAYEY SAND (SC)*** FILL, fine- to coarse-grained; brown, damp, digs easily With a 6 to 8 inch layer of GRAVEL at 1 foot						
2								
4								
6								
8		With trace CONCRETE fragments below 8 feet						
10		Bucket refusal at 11 feet						
		End of Test Pit						
12								
14								
16								
18								
20								

Method: Backhoe

Backhoe/Excavator: Backhoe

Operator: Alan Medlock

Krazan and Associates

Excavation Date: 9-14-18

Pit Size: 24 Inches

Elevation: 11 Feet

Sheet: 1 of 1

Log of Test Pit TP3

Project: Commercial Development

Project No: 042-18019

Client: 975 Main Street Associates, LLC

Figure No.: A-15

Location: Main Street and Auto Centre Drive, Watsonville, California

Logged By: Wayne Andrade

Depth to Water>

Initial: None

At Completion: None

Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.	Penetration Test blows/ft (20 40 60)	Water Content (%) (10 20 30 40)
0		Ground Surface						
0		***CLAYEY SAND (SC)*** FILL, fine- to coarse-grained with GRAVEL; brown, damp, digs easily With CONCRETE fragments below 2 feet						
4		With ASPHALTIC CONCRETE and 2 to 3 inch ROCK below 4 feet						
12		***CLAYEY SAND (SC)*** Medium dense, fine- to medium-grained; brown, damp, digs easily						
14		End of Test Pit						
16								
18								
20								

Method: Backhoe

Backhoe/Excavator: Backhoe

Operator: Alan Medlock

Krazan and Associates

Excavation Date: 9-14-18

Pit Size: 24 Inches

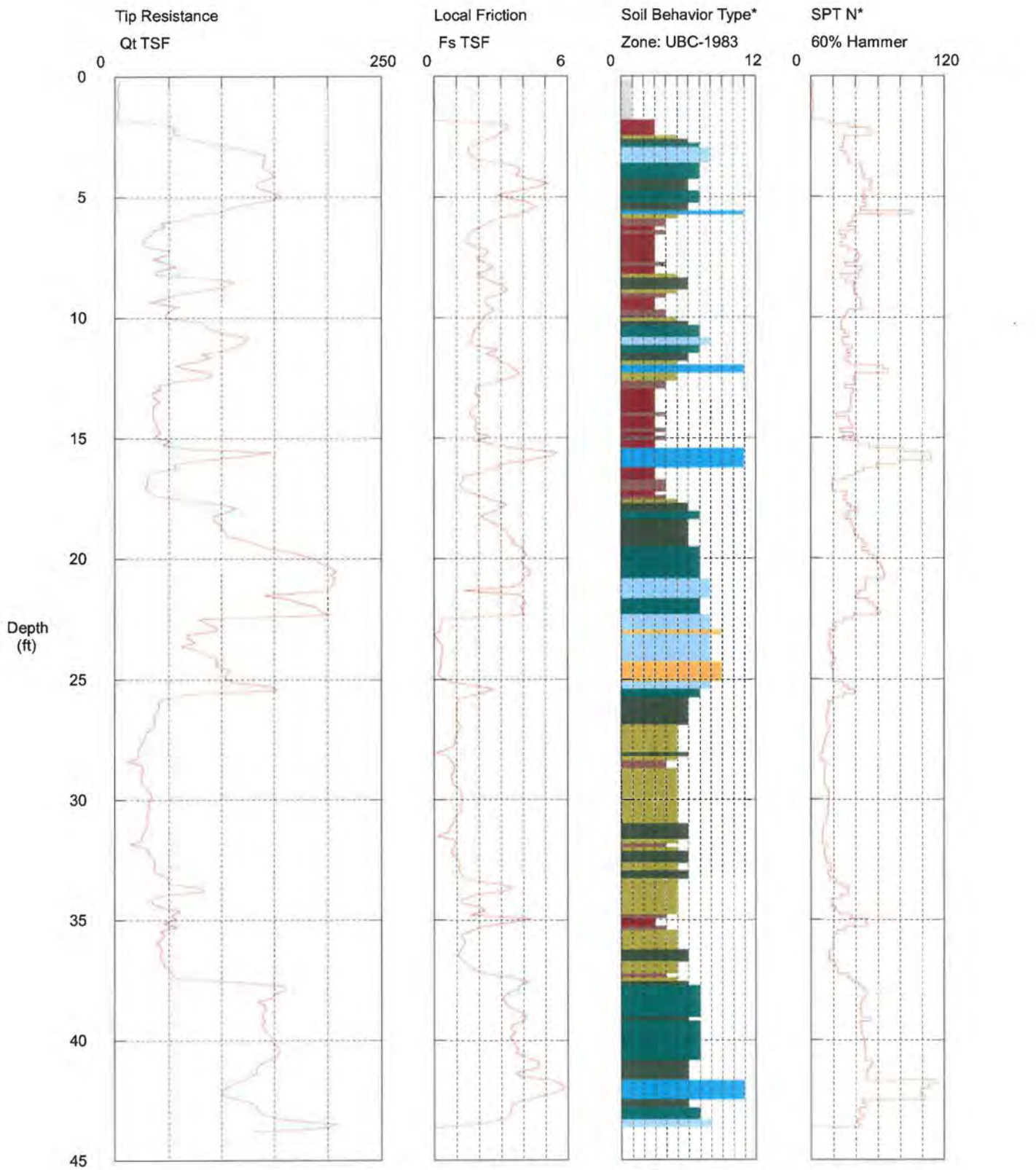
Elevation: 14 Feet

Sheet: 1 of 1

Commercial Development

Operator: Wayne Andrade
Sounding: CPT- 1
Cone Used: DSA1002

CPT Date/Time: 9/13/2018 8:07:15 AM
Location: Watsonville
Job Number: 04218019



Maximum Depth = 43.80 feet

Depth Increment = 0.164 feet

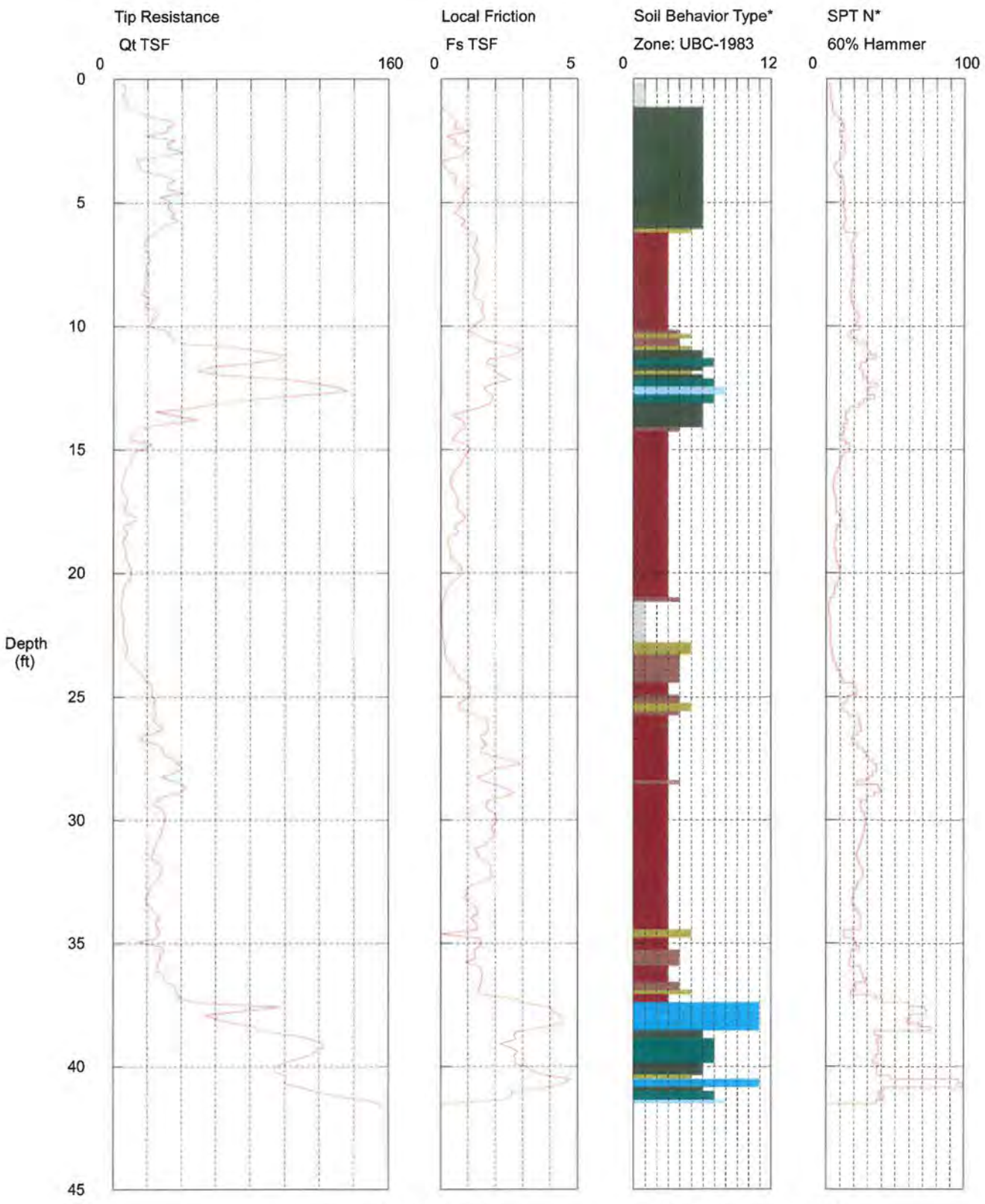
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

Commercial Development

Operator: Wayne Andrade
Sounding: CPT- 2
Cone Used: DSA1002

CPT Date/Time: 9/13/2018 9:31:24 AM
Location: Watsonville
Job Number: 04218019



Maximum Depth = 41.67 feet

Depth Increment = 0.164 feet

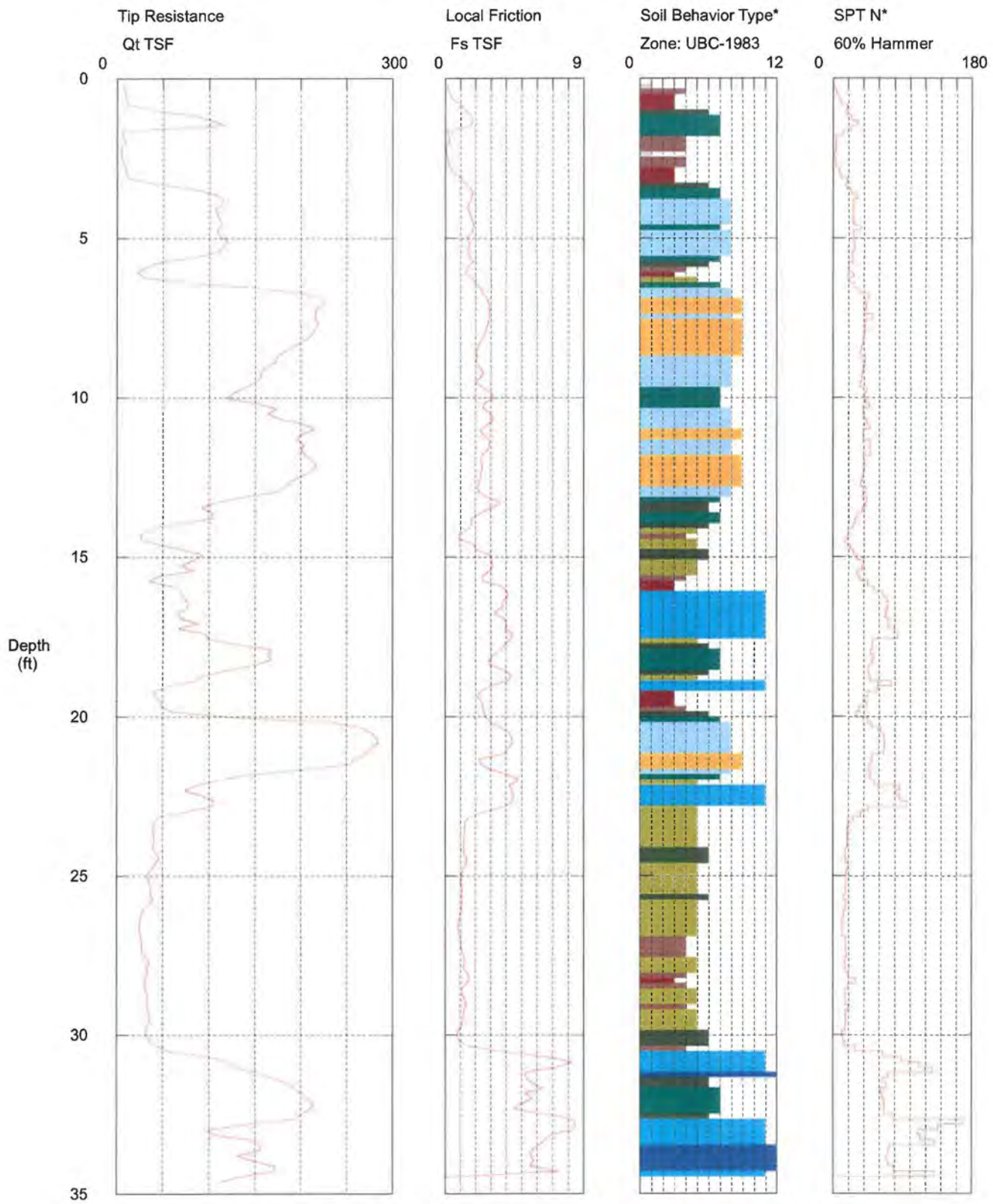
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

Commercial Development

Operator: Wayne Andrade
Sounding: CPT- 3
Cone Used: DSA1002

CPT Date/Time: 9/13/2018 11:02:09 AM
Location: Watsonville
Job Number: 04218019



Maximum Depth = 34.61 feet

Depth Increment = 0.164 feet

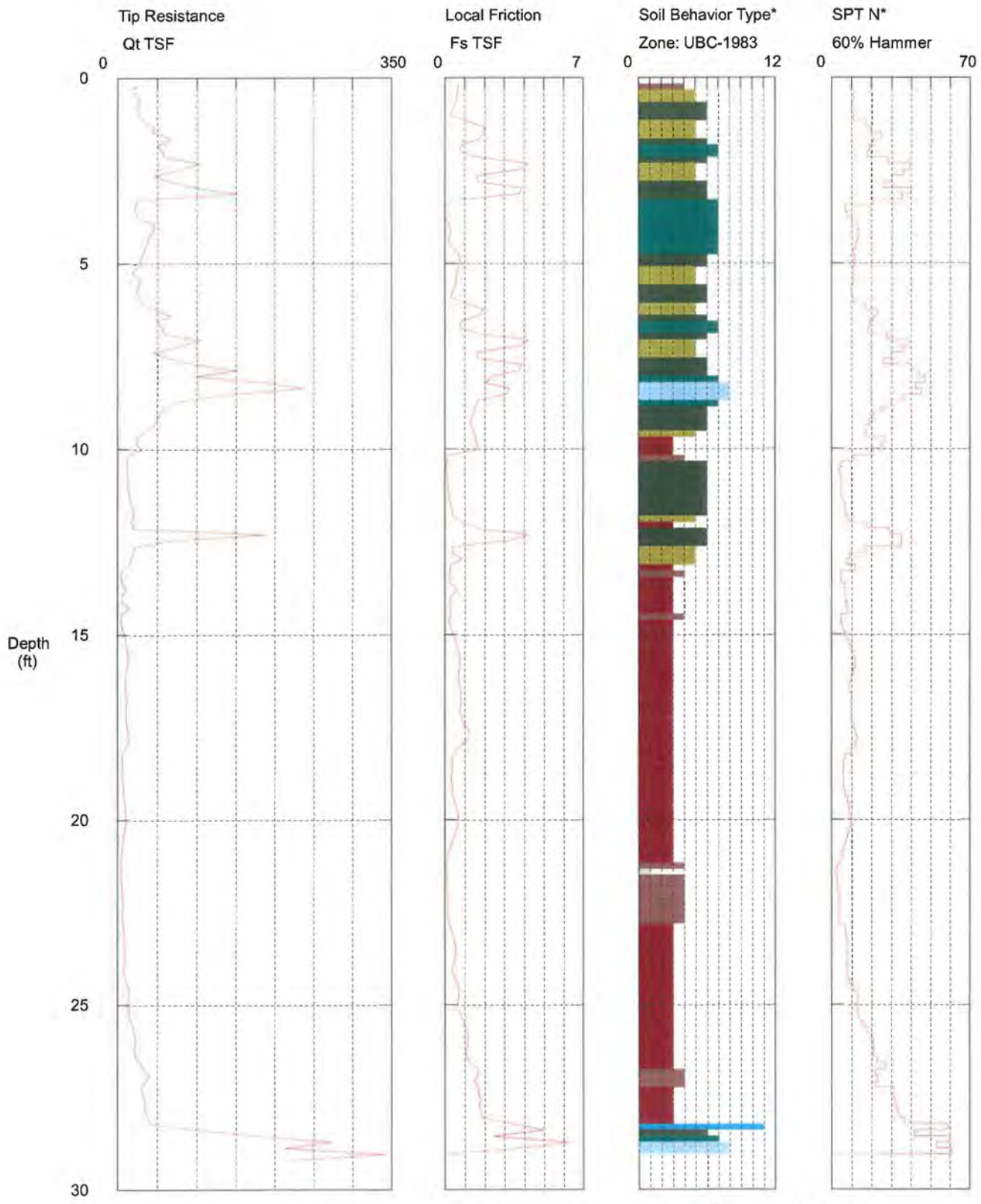
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

Commercial Development

Operator: Wayne Andrade
Sounding: CPT- 4
Cone Used: DSA1002

CPT Date/Time: 9/13/2018 1:50:53 PM
Location: Watsonville
Job Number: 04218019



Maximum Depth = 29.20 feet

Depth Increment = 0.164 feet

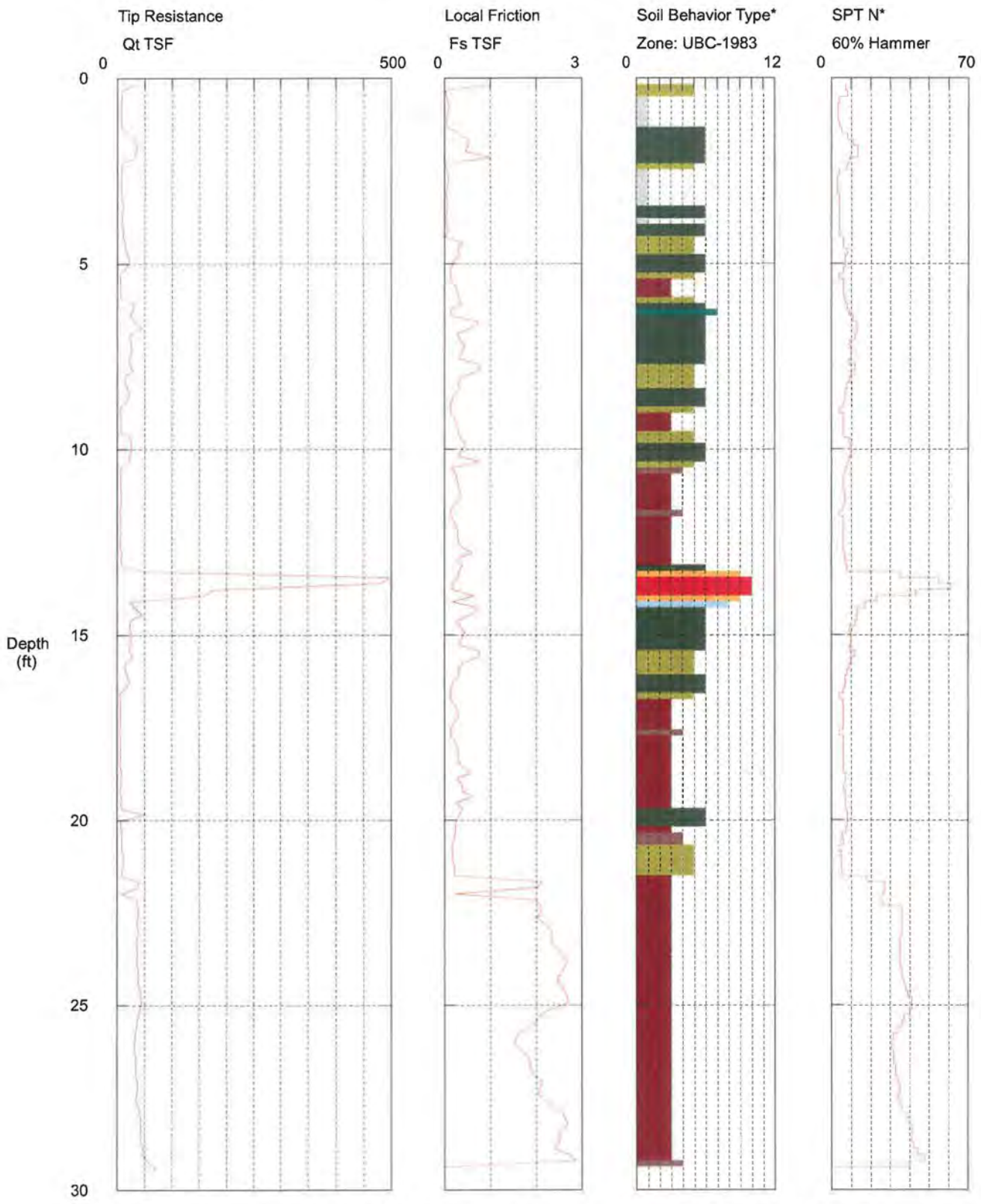
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

Commercial Development

Operator: Wayne Andrade
Sounding: CPT- 5
Cone Used: DSA1002

CPT Date/Time: 9/13/2018 3:37:21 PM
Location: Watsonville
Job Number: 04218019



Maximum Depth = 29.53 feet

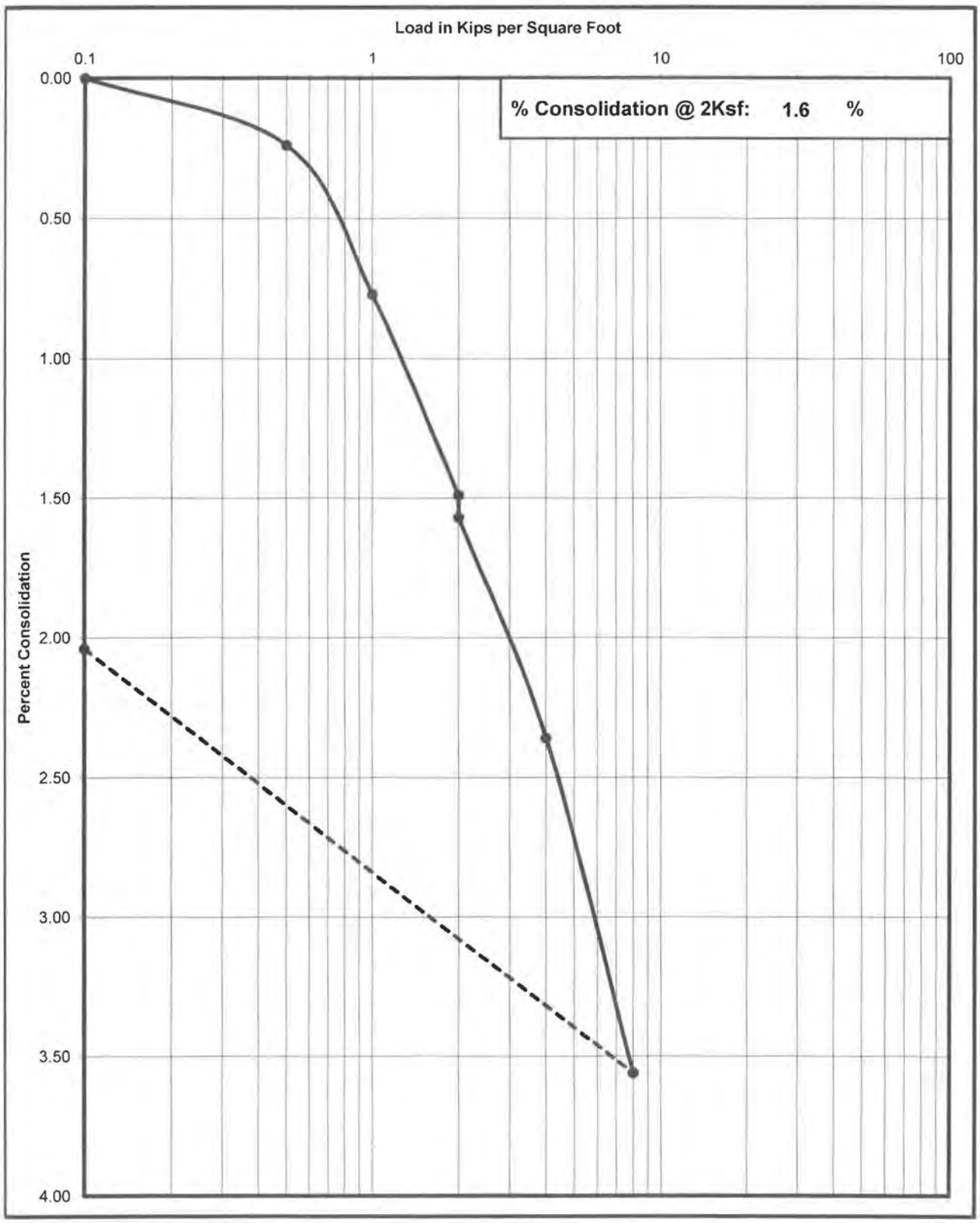
Depth Increment = 0.164 feet

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 (*)

*Soil behavior type and SPT based on data from UBC-1983

Consolidation Test

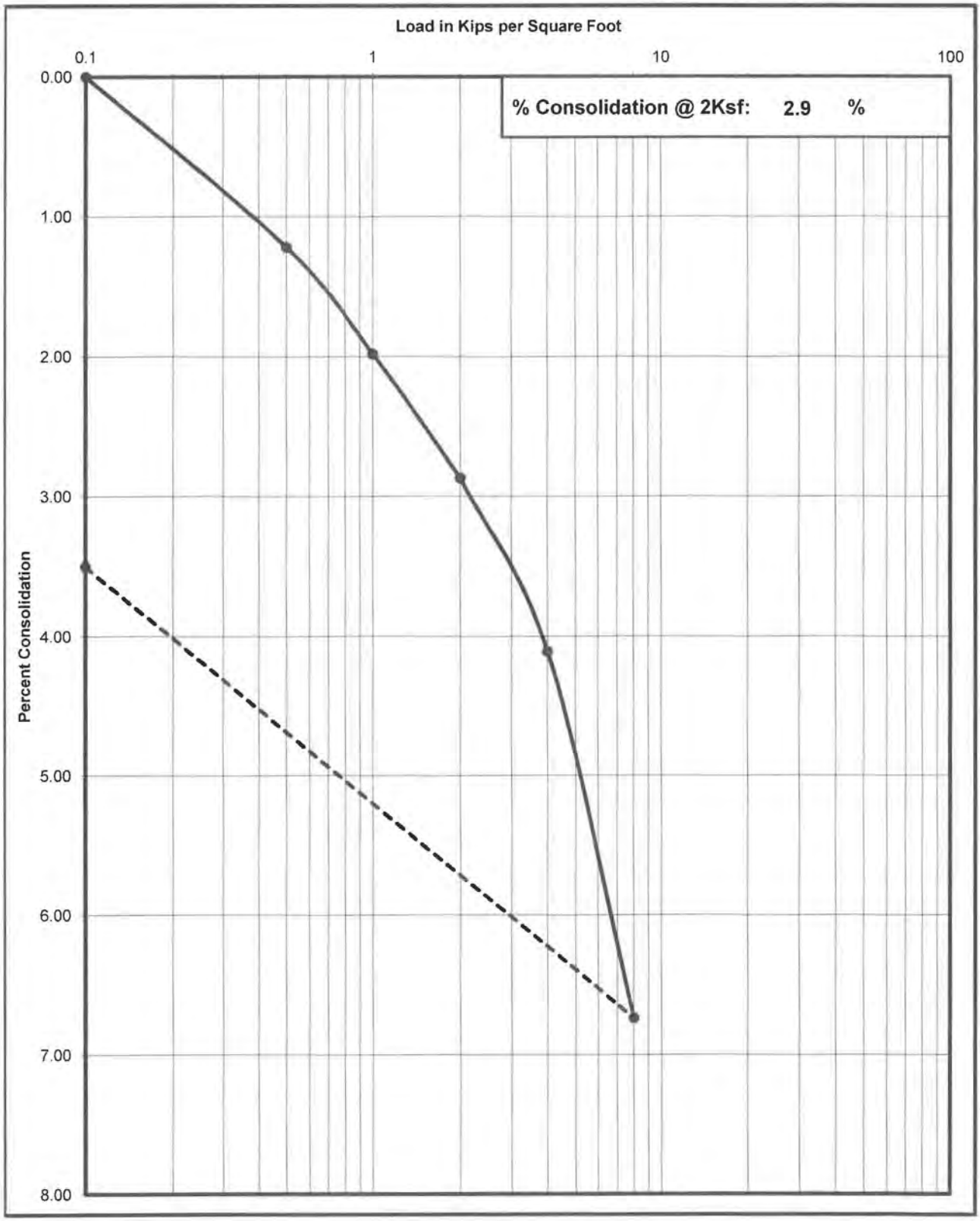
Project No	Boring No. & Depth	Date	Soil Classification
042-18019	B1 @ 2-3'	10/5/2018	SM



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Consolidation Test

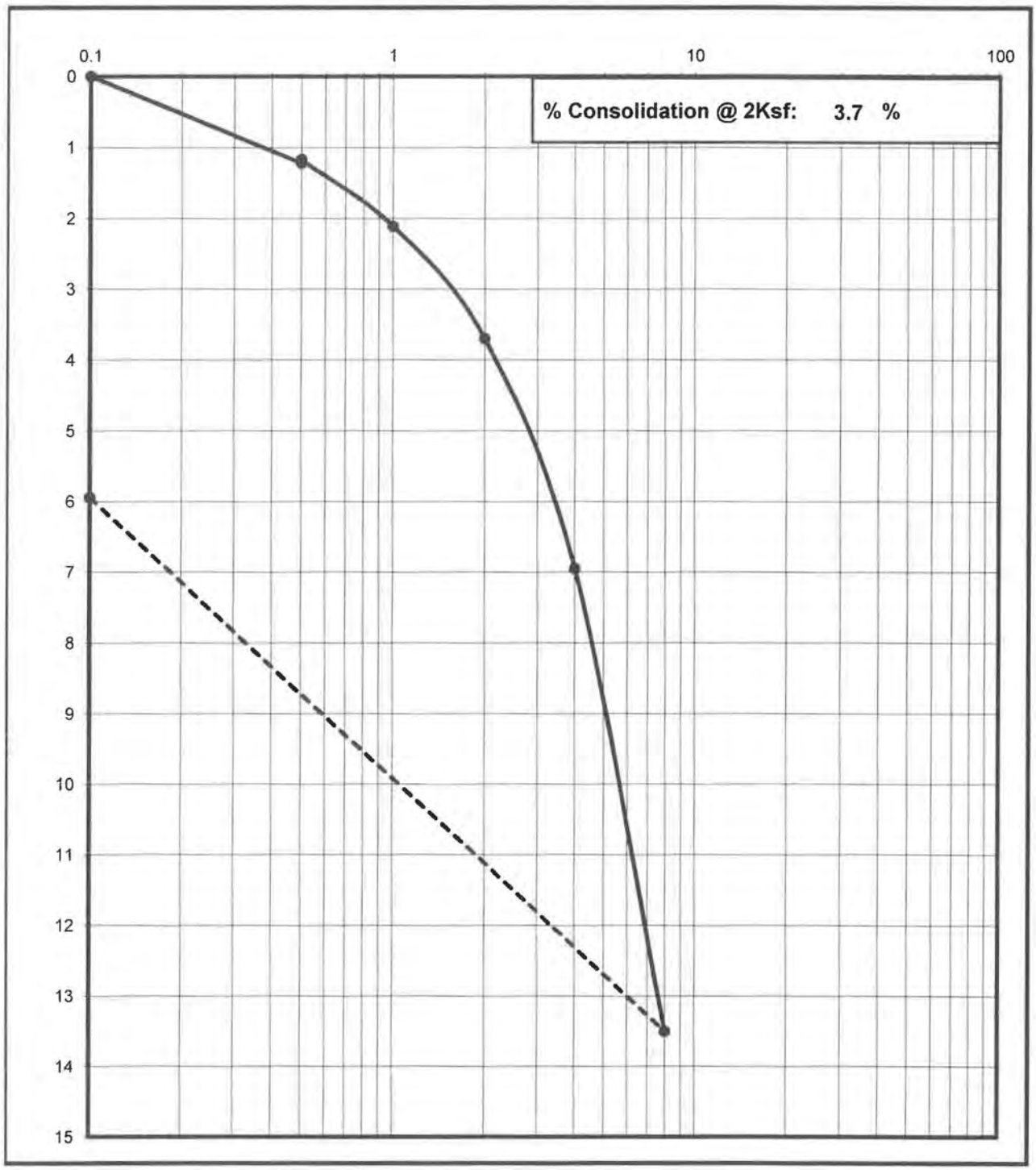
Project No	Boring No. & Depth	Date	Soil Classification
042-18019	B6 @ 2-3'	10/5/2018	ML



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Consolidation Test

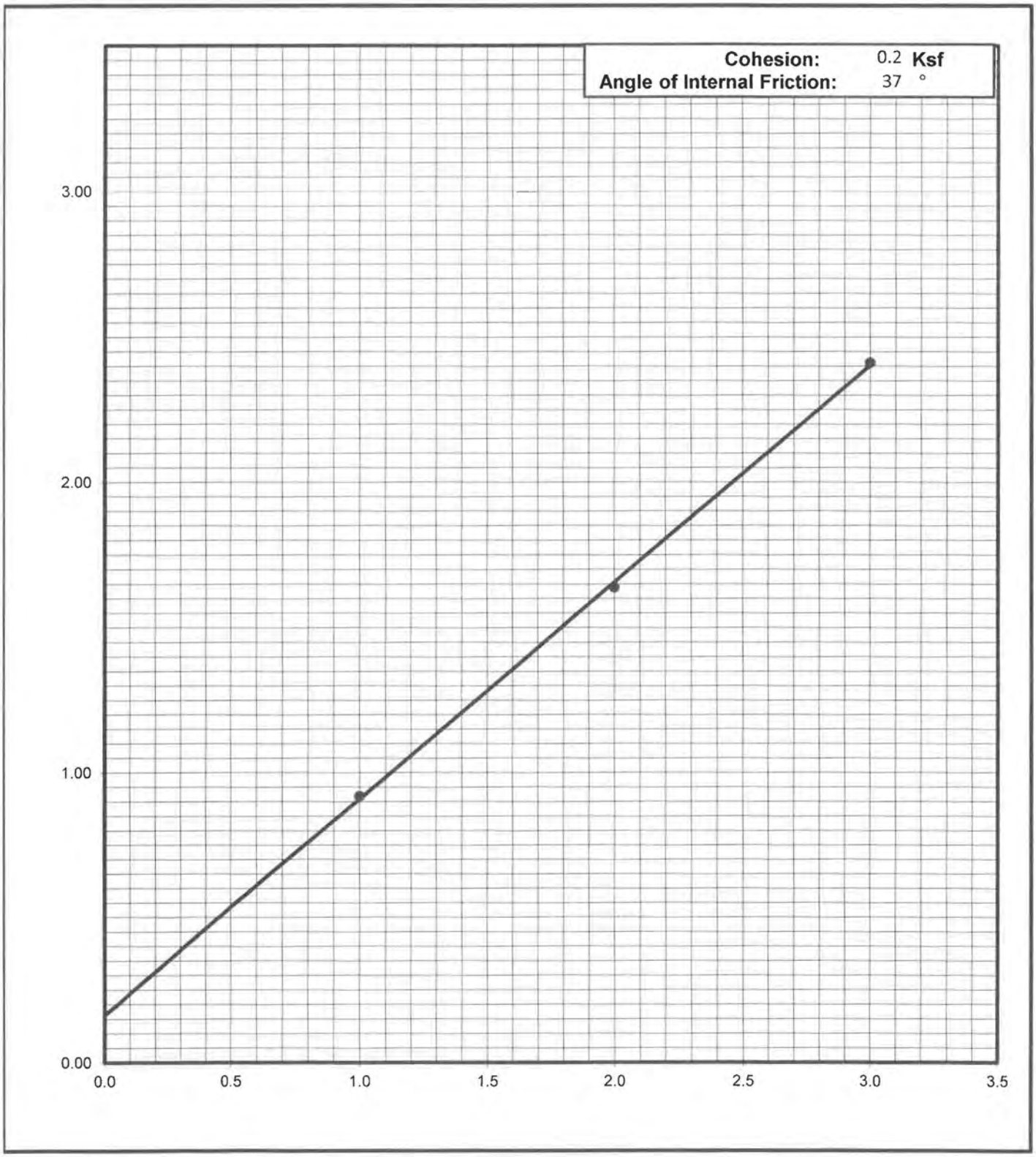
Project No	Boring No. & Depth	Date	Soil Classification
042-18019	B12 @ 15-16'	10/5/2018	CL



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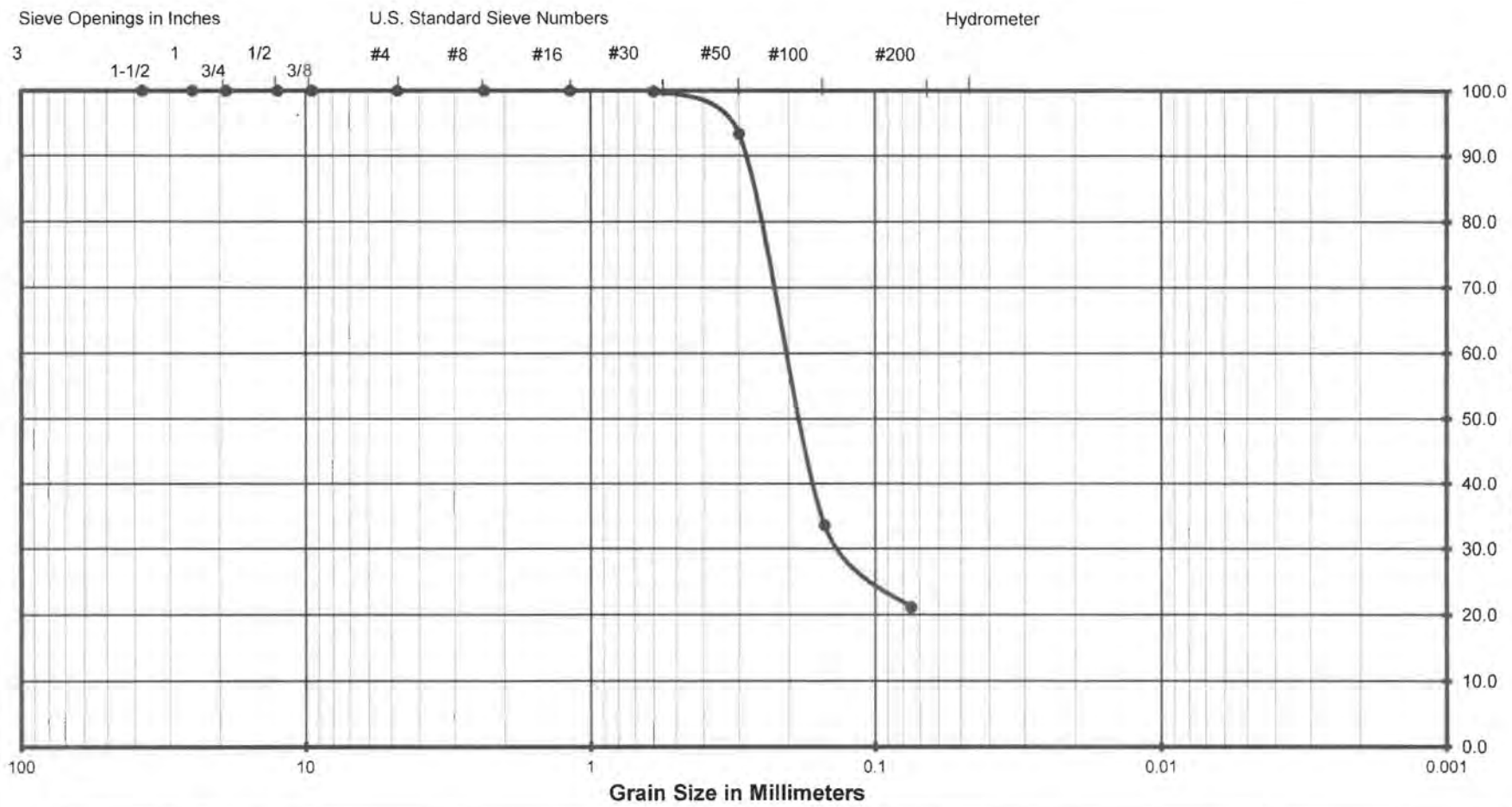
Shear Strength Diagram (Direct Shear)
ASTM D - 3080 / AASHTO T - 236

Project Number	Boring No. & Depth	Soil Type	Date
042-18019	B4 @ 2-3'	SM	10/5/2018



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Grain Size Analysis

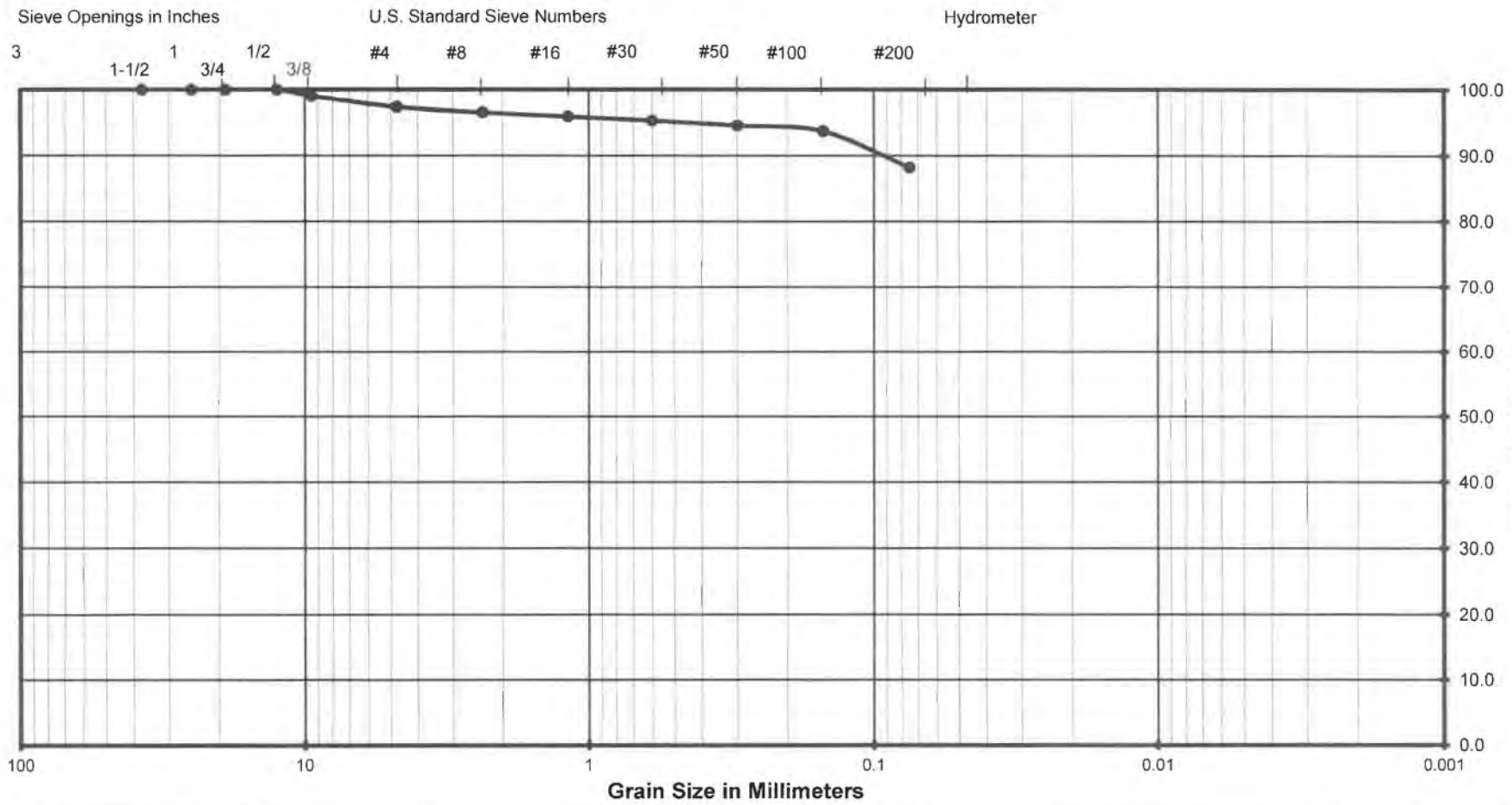


(Unified Soils Classification)

Project Name	Commercial Development
Project Number	042-18019
Soil Classification	SM
Sample Number	B1 @ 2-3'

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Grain Size Analysis



(Unified Soils Classification)

Project Name	Commercial Development
Project Number	042-18019
Soil Classification	ML
Sample Number	B6 @ 2-3'

Krazan Testing Laboratory

Expansion Index Test

ASTM D - 4829/ UBC Std. 18-2

Project Number	: 042-18019
Project Name	: Commercial Development
Date	: 10/5/2018
Sample location/ Depth	: 0-13'
Sample Number	: C1/X1
Soil Classification	: SC

Trial #	1	2	3
Weight of Soil & Mold, gms	760.0		
Weight of Mold, gms	368.8		
Weight of Soil, gms	391.2		
Wet Density, Lbs/cu.ft.	118.0		
Weight of Moisture Sample (Wet), gms	300.0		
Weight of Moisture Sample (Dry), gms	270.3		
Moisture Content, %	11.0		
Dry Density, Lbs/cu.ft.	106.3		
Specific Gravity of Soil	2.7		
Degree of Saturation, %	50.7		

Time	Inital	30 min	1 hr	6hrs	12 hrs	24 hrs
Dial Reading	0	--	--	--	--	0.0259

Expansion Index $_{measured}$ = 25.9

Expansion Index = **26**

Expansion Potential Table	
Exp. Index	Potential Exp.
0 - 20	Very Low
21 - 50	Low
51 - 90	Medium
91 - 130	High
>130	Very High

Krazan Testing Laboratory

Expansion Index Test

ASTM D - 4829/ UBC Std. 18-2

Project Number	: 042-18019
Project Name	: Commercial Development
Date	: 10/5/2018
Sample location/ Depth	: 3.5-6'
Sample Number	: X2
Soil Classification	: SM

Trial #	1	2	3
Weight of Soil & Mold, gms	767.6		
Weight of Mold, gms	367.7		
Weight of Soil, gms	399.9		
Wet Density, Lbs/cu.ft.	120.6		
Weight of Moisture Sample (Wet), gms	300.0		
Weight of Moisture Sample (Dry), gms	273.2		
Moisture Content, %	9.8		
Dry Density, Lbs/cu.ft.	109.8		
Specific Gravity of Soil	2.7		
Degree of Saturation, %	49.6		

Time	Inital	30 min	1 hr	6hrs	12 hrs	24 hrs
Dial Reading	0	--	--	--	--	0.0071

Expansion Index $_{measured}$ = 7.1

Expansion Index = **7**

Expansion Potential Table	
Exp. Index	Potential Exp.
0 - 20	Very Low
21 - 50	Low
51 - 90	Medium
91 - 130	High
>130	Very High

Krazan Testing Laboratory

Plasticity Index of Soils

ASTM D4318/AASHTO T89 T90/CT 204

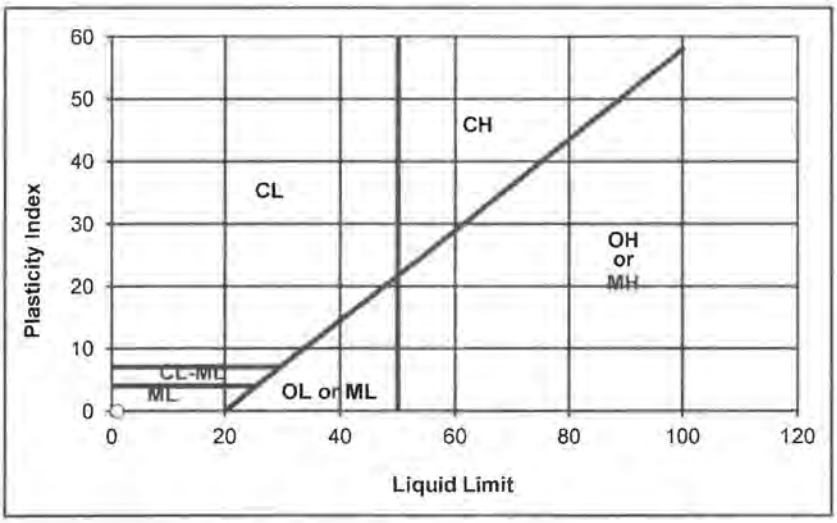
Project: **Commercial Development**
Project Number: **042-18019**
Date Sampled: 9/12/2018
Sampled By: WA
Sample Number:
Sample Location: B1 @ 10-11'
Sample Description: SM

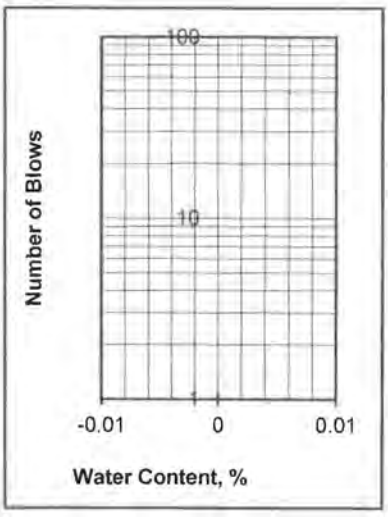
Date Tested: 10/5/2018
Tested By: J Mitchell
Verified By: J Gruszczynski

	Plastic Limit			Liquid Limit		
Trial Number	1	2	3	1	2	3
Weight of Wet Soil & Tare (g)						
Weight of Dry Soil & Tare (g)						
Weight of Tare (g)						
Weight of water (g)						
Weight of Dry Soil (g)						
Water Content (% of dry wt.)						
Number of Blows						

Plastic Limit : N/D **Liquid Limit : N/D**

Plasticity Index : NON-PLASTIC
Unified Soil Classification : NON-PLASTIC **Requirement:**
Approx. % of Material Retained on # 40 Sieve:





Departures from Outlined Procedure:

Unusual Conditions, Other Notes:

Plasticity Index of Soils

ASTM D4318/AASHTO T89 T90/CT 204

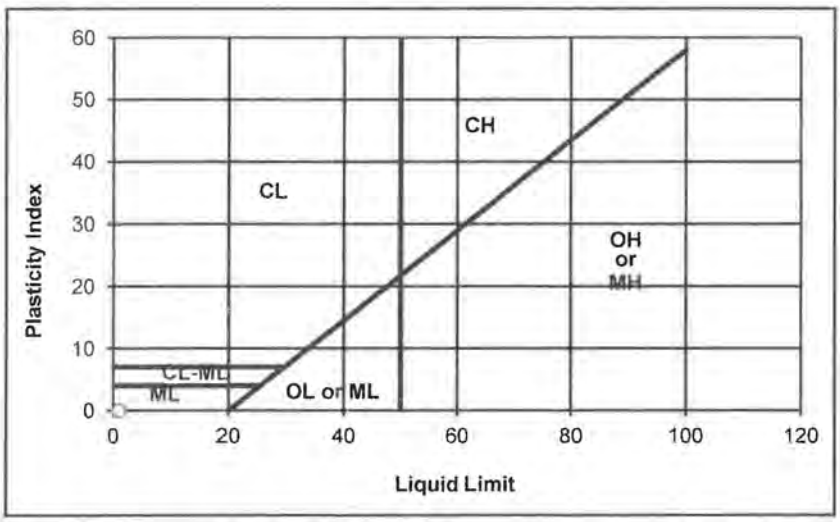
Project: **Commercial Development**
Project Number: **042-18019**
Date Sampled: 9/12/2018
Sampled By: WA
Sample Number:
Sample Location: B1 @ 15-16'
Sample Description: SM/ML

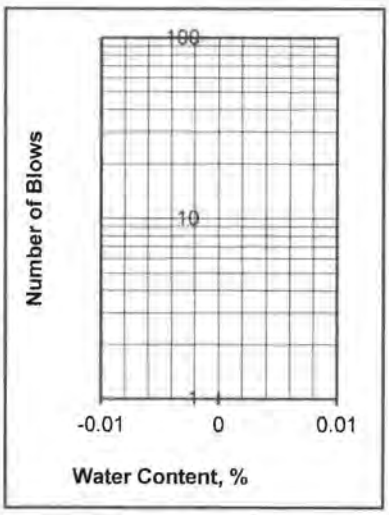
Date Tested: 10/5/2018
Tested By: J Mitchell
Verified By: J Gruszczynski

	Plastic Limit			Liquid Limit		
Trial Number	1	2	3	1	2	3
Weight of Wet Soil & Tare (g)						
Weight of Dry Soil & Tare (g)						
Weight of Tare (g)						
Weight of water (g)						
Weight of Dry Soil (g)						
Water Content (% of dry wt.)						
Number of Blows						

Plastic Limit : N/D **Liquid Limit : N/D**

Plasticity Index : NON-PLASTIC
Unified Soil Classification : NON-PLASTIC **Requirement:**
Approx. % of Material Retained on # 40 Sieve:





Departures from Outlined Procedure:

Unusual Conditions, Other Notes:

Plasticity Index of Soils

ASTM D4318/AASHTO T89 T90/CT 204

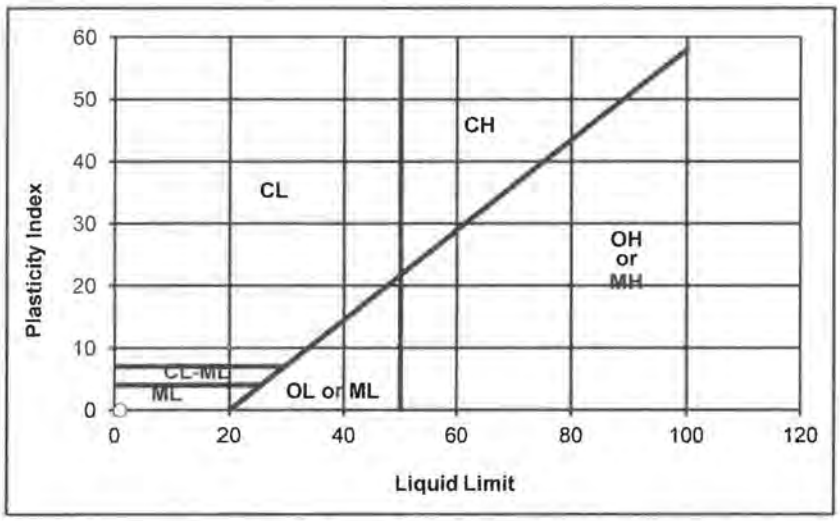
Project: **Commercial Development**
Project Number: **042-18019**
Date Sampled: 9/12/2018
Sampled By: WA
Sample Number:
Sample Location: B1 @ 25-26'
Sample Description: SM/SP

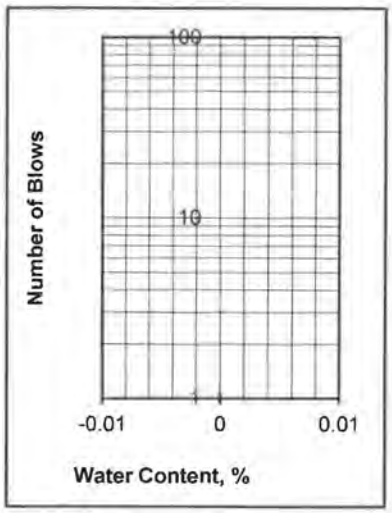
Date Tested: 10/5/2018
Tested By: J Mitchell
Verified By: J Gruszczynski

	Plastic Limit			Liquid Limit		
Trial Number	1	2	3	1	2	3
Weight of Wet Soil & Tare (g)						
Weight of Dry Soil & Tare (g)						
Weight of Tare (g)						
Weight of water (g)						
Weight of Dry Soil (g)						
Water Content (% of dry wt.)						
Number of Blows						

Plastic Limit : N/D **Liquid Limit : N/D**

Plasticity Index : NON-PLASTIC
Unified Soil Classification : NON-PLASTIC **Requirement:**
Approx. % of Material Retained on # 40 Sieve:





Departures from Outlined Procedure:

Unusual Conditions, Other Notes:

Plasticity Index of Soils

ASTM D4318/AASHTO T89 T90/CT 204

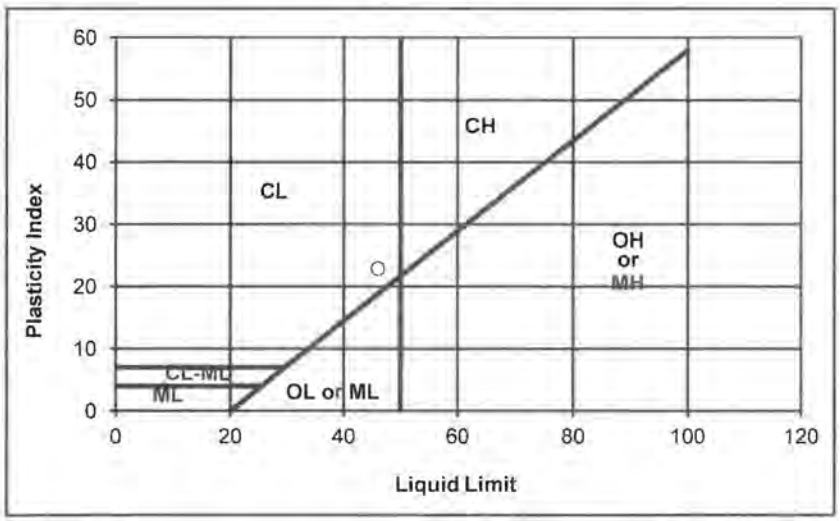
Project: **Commercial Development**
Project Number: **042-18019**
Date Sampled: 9/12/2018
Sampled By: WA
Sample Number:
Sample Location: B1 @ 30-31'
Sample Description: CL

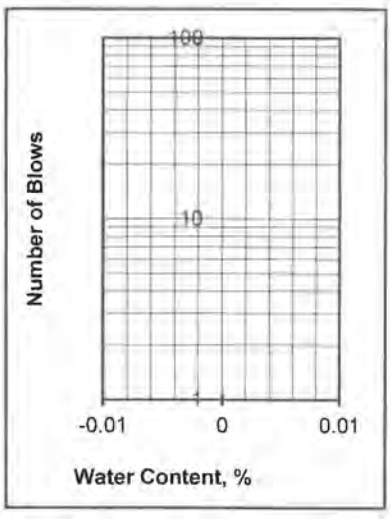
Date Tested: 10/5/2018
Tested By: J Mitchell
Verified By: J Gruszczynski

	Plastic Limit			Liquid Limit		
Trial Number	1	2	3	1	2	3
Weight of Wet Soil & Tare (g)	25.47	28.46		33.54		
Weight of Dry Soil & Tare (g)	23.37	25.74		27.49		
Weight of Tare (g)	14.14	13.96		14.34		
Weight of water (g)	2.10	2.72		6.05		
Weight of Dry Soil (g)	9.23	11.79		13.15		
Water Content (% of dry wt.)	22.8%	23.1%		46.0%		
Number of Blows				25		

Plastic Limit : 23 **Liquid Limit : 46**

Plasticity Index : 23
Unified Soil Classification : CL **Requirement:**
Approx. % of Material Retained on # 40 Sieve:





Departures from Outlined Procedure:

Unusual Conditions, Other Notes:

Plasticity Index of Soils

ASTM D4318/AASHTO T89 T90/CT 204

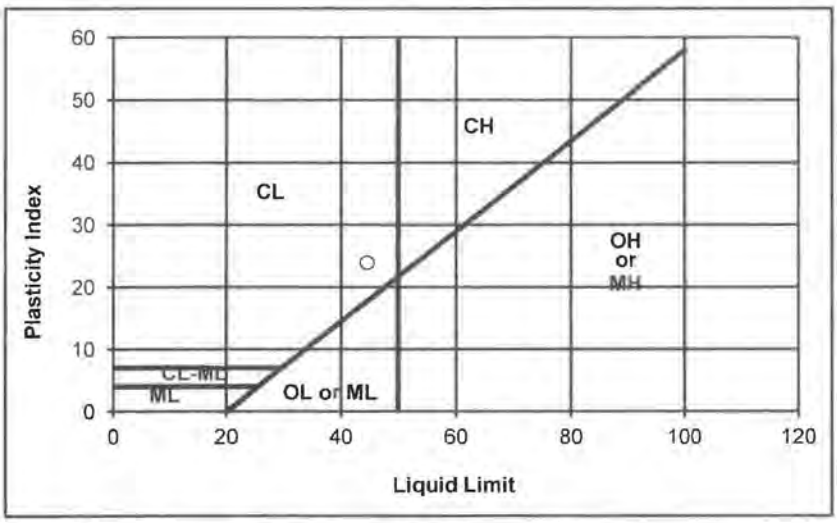
Project: **Commercial Development**
Project Number: **042-18019**
Date Sampled: 9/12/2018
Sampled By: WA
Sample Number:
Sample Location: B1 @ 35-36'
Sample Description: CL

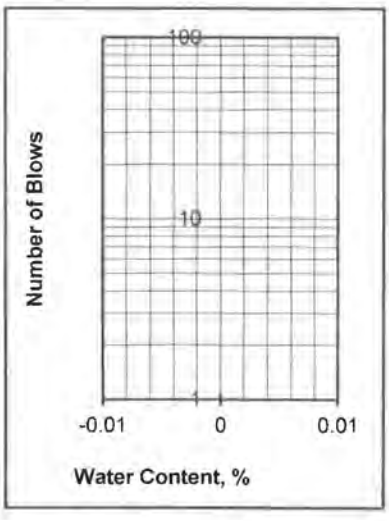
Date Tested: 10/5/2018
Tested By: J Mitchell
Verified By: J Gruszczynski

	Plastic Limit			Liquid Limit		
Trial Number	1	2	3	1	2	3
Weight of Wet Soil & Tare (g)	21.83	25.17		34.69		
Weight of Dry Soil & Tare (g)	20.43	23.20		28.89		
Weight of Tare (g)	13.75	13.75		15.85		
Weight of water (g)	1.40	1.97		5.80		
Weight of Dry Soil (g)	6.68	9.46		13.03		
Water Content (% of dry wt.)	20.9%	20.8%		44.5%		
Number of Blows				25		

Plastic Limit : 21 **Liquid Limit : 45**

Plasticity Index : 24
Unified Soil Classification : CL **Requirement:**
Approx. % of Material Retained on # 40 Sieve:





Departures from Outlined Procedure:

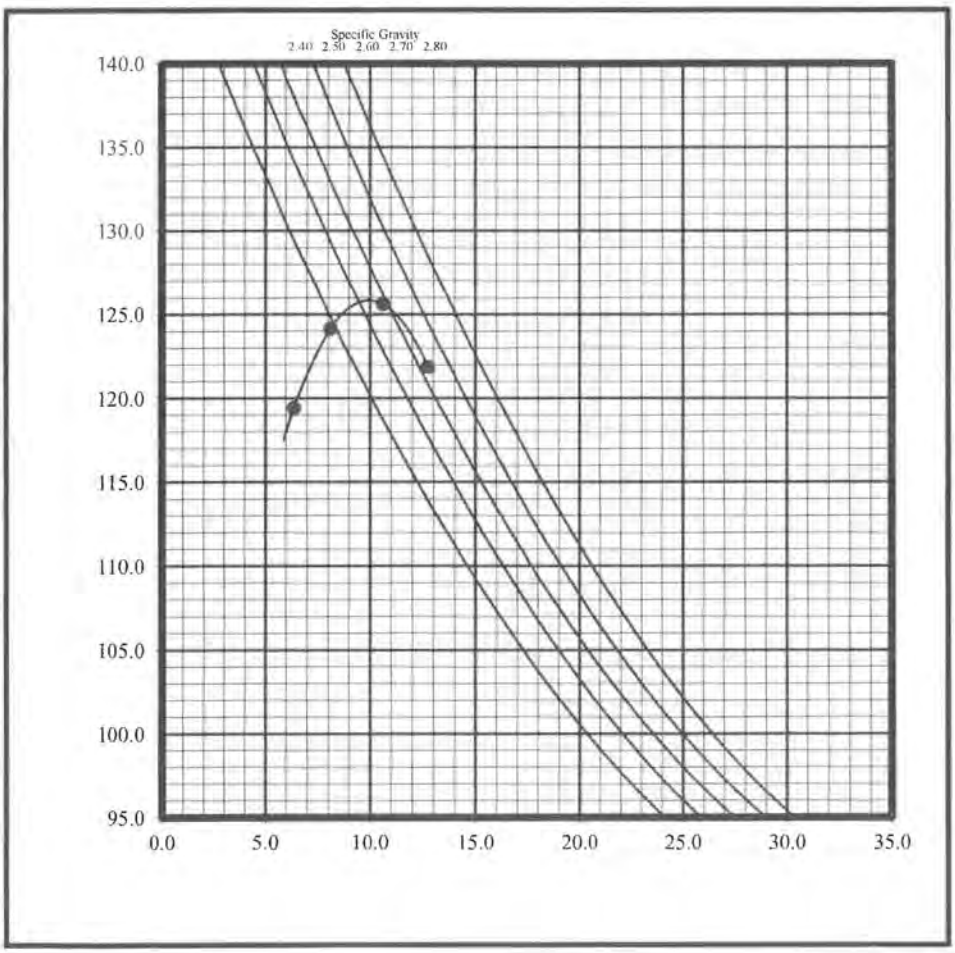
Unusual Conditions, Other Notes:

Laboratory Compaction Characteristics of Soil using Modified Effort (56,000 ft. - lbf/ft^3)

ASTM D1557

Project Number	042-18019	Sample Number	C1/X1
Project Name	Comm Development	Soil Classification	SM
Technician	JG	Soil Description	Brn Silty Sand
Date	9/24/2018	Method	D1557a
Sample Location	B2 @ 0-13'		

	1	2	3	4
Mass of Moist Specimen & Mold, gm	4116.8	4093.4	4045.2	3937.1
Mass of Compaction Mold, gm	2018.0	2018.0	2018.0	2018.0
Mass of Moist Specimen, gm	2098.8	2075.4	2027.2	1919.1
Volume of Mold, cu./ft.	0.0333	0.0333	0.0333	0.0333
Wet Density, lbs./cu.ft.	138.9	137.4	134.2	127.1
Mass of Moisture (Wet), gm	200.0	200.0	200.0	200.0
Mass of Moisture (Dry), gm	180.8	177.4	185.0	188.0
Moisture Content (%)	10.6	12.7	8.1	6.4
Dry Density, lbs/cu.ft.	125.6	121.9	124.1	119.4



Maximum Dry Density, lbs.cu.ft.

125.8

Optimum Moisture Content

9.9%

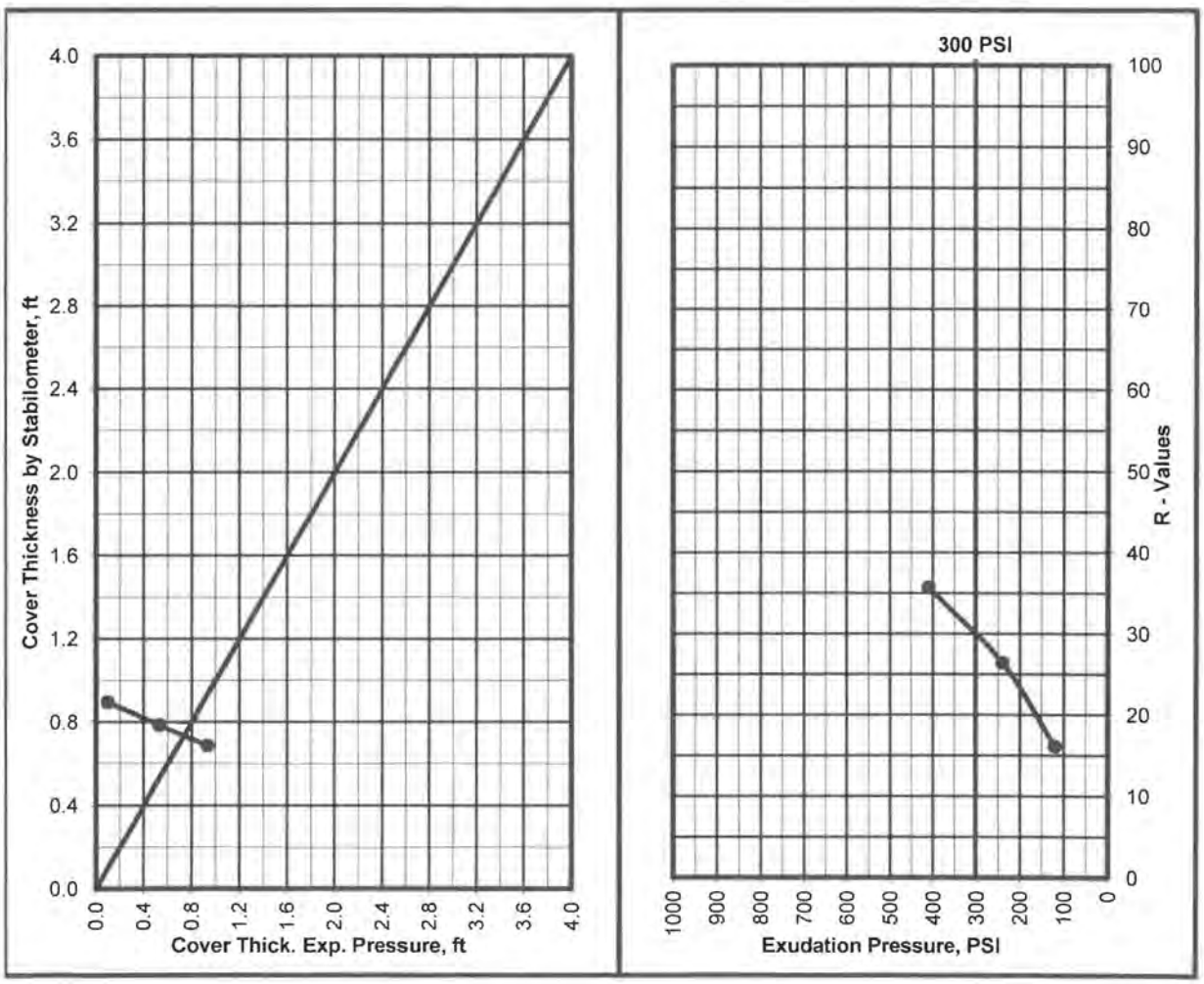
SDS#: _____

R - VALUE TEST
ASTM D - 2844 / CAL 301

Project Number	:	042-18019
Project Name	:	Commercial Development
Date	:	10/10/2018
Sample Location/Curve Number	:	RV#1
Soil Classification	:	SC

TEST	A	B	C
Percent Moisture @ Compaction, %	13.9	14.9	15.4
Dry Density, lbm/cu.ft.	119.8	116.4	115.6
Exudation Pressure, psi	410	240	120
Expansion Pressure, (Dial Reading)	28	16	3
Expansion Pressure, psf	121	69	13
Resistance Value R	36	26	16

R Value at 300 PSI Exudation Pressure	**30**
R Value by Expansion Pressure (TI =): 5	**34**



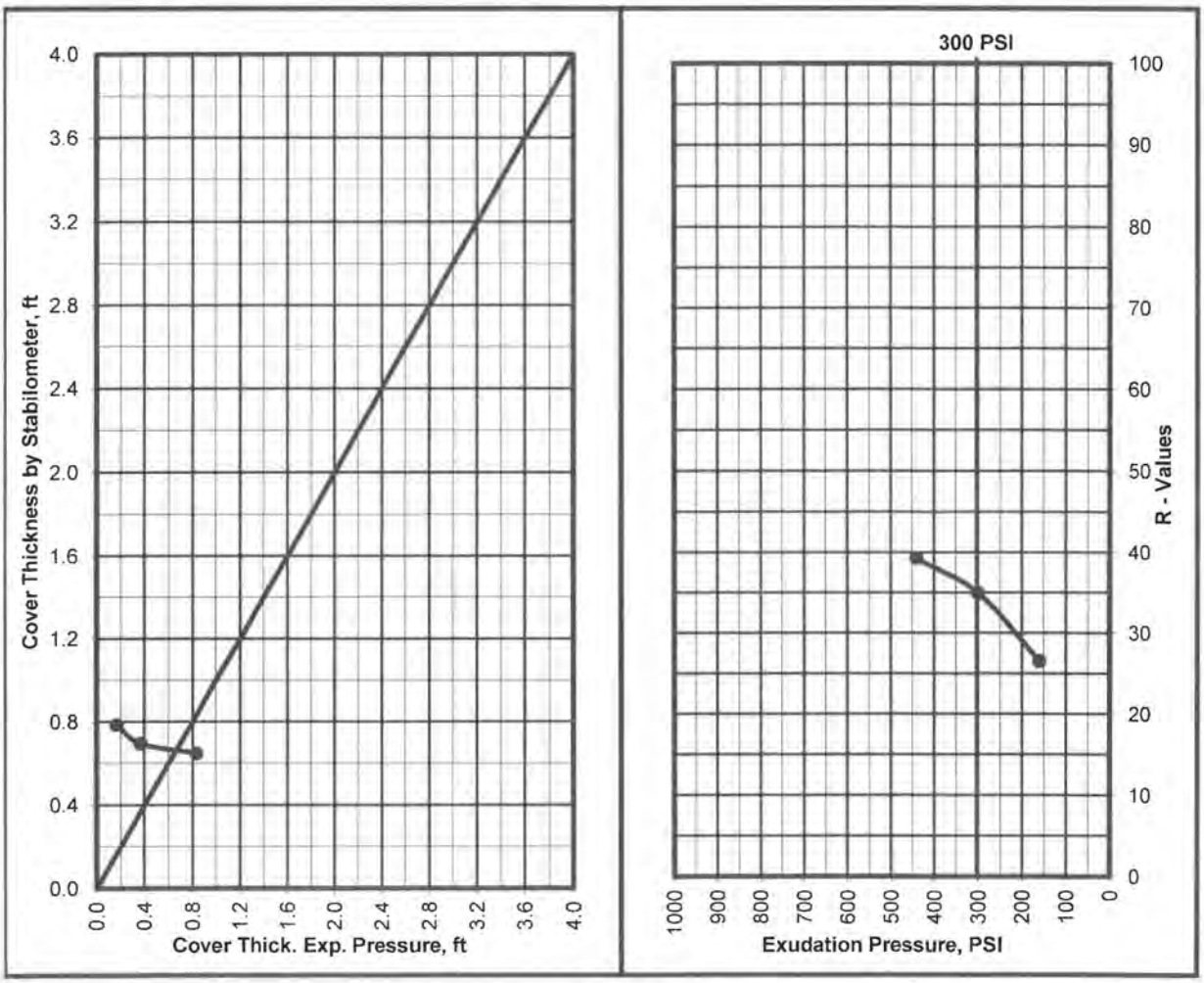
Krazan Testing Laboratory

R - VALUE TEST
ASTM D - 2844 / CAL 301

Project Number	:	042-18019
Project Name	:	Commercial Development
Date	:	10/10/2018
Sample Location/Curve Number	:	RV#2
Soil Classification	:	SC

TEST	A	B	C
Percent Moisture @ Compaction, %	14.1	14.8	15.3
Dry Density, lbm/cu.ft.	119.3	117.9	117.1
Exudation Pressure, psi	440	300	160
Expansion Pressure, (Dial Reading)	25	11	5
Expansion Pressure, psf	108	48	22
Resistance Value R	39	35	27

R Value at 300 PSI Exudation Pressure	**35**
R Value by Expansion Pressure (TI =): 5	**36**



Krazan Testing Laboratory

APPENDIX B

EARTHWORK SPECIFICATIONS

GENERAL

When the text of the report conflicts with the general specifications in this appendix, the recommendations in the report have precedence.

SCOPE OF WORK: These specifications and applicable plans pertain to and include all earthwork associated with the site rough grading, including but not limited to the furnishing of all labor, tools, and equipment necessary for site clearing and grubbing, stripping, preparation of foundation materials for receiving fill, excavation, processing, placement and compaction of fill and backfill materials to the lines and grades shown on the project grading plans, and disposal of excess materials.

PERFORMANCE: The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications. This work shall be inspected and tested by a representative of Krazan and Associates, Inc., hereinafter known as the Soils Engineer and/or Testing Agency. Attainment of design grades when achieved shall be certified by the project Civil Engineer. Both the Soils Engineer and the Civil Engineer are the Owner's representatives. If the Contractor should fail to meet the technical or design requirements embodied in this document and on the applicable plans, he shall make the necessary readjustments until all work is deemed satisfactory as determined by both the Soils Engineer and the Civil Engineer. No deviation from these specifications shall be made except upon written approval of the Soils Engineer, Civil Engineer or project Architect.

No earthwork shall be performed without the physical presence or approval of the Soils Engineer. The Contractor shall notify the Soils Engineer at least 2 working days prior to the commencement of any aspect of the site earthwork.

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold the Owner and the Engineers harmless from any and all liability, real or alleged, in connection with the performance of work on this project, except for liability arising from the sole negligence of the Owner or the Engineers.

TECHNICAL REQUIREMENTS: All compacted materials shall be densified to a density not less than 90 percent relative compaction based on ASTM Test Method D1557 or CAL-216, as specified in the technical portion of the Soil Engineer's report. The location and frequency of field density tests shall be as determined by the Soils Engineer. The results of these tests and compliance with these specifications shall be the basis upon which satisfactory completion of work will be judged by the Soils Engineer.

SOILS AND FOUNDATION CONDITIONS: The Contractor is presumed to have visited the site and to have familiarized himself with existing site conditions and the contents of the data presented in the soil report.

The Contractor shall make his own interpretation of the data contained in said report, and the Contractor shall not be relieved of liability under the Contract documents for any loss sustained as a result of any variance between conditions indicated by or deduced from said report and the actual conditions encountered during the progress of the work.

DUST CONTROL: The work includes dust control as required for the alleviation or prevention of any dust nuisance on or about the site or the borrow area, or off-site if caused by the Contractor's operation either during the performance of the earthwork or resulting from the conditions in which the Contractor leaves the site. The Contractor shall assume all liability, including court costs of codefendants, for all claims related to dust or windblown materials attributable to his work.

SITE PREPARATION

Site preparation shall consist of site clearing and grubbing and the preparations of foundation materials for receiving fill.

CLEARING AND GRUBBING: The Contractor shall accept the site in this present condition and shall demolish and/or remove from the area of designated project earthwork all structures, both surface and subsurface, trees, brush, roots, debris, organic matter, and all other matter determined by the Soils Engineer to be deleterious or otherwise unsuitable. Such materials shall become the property of the Contractor and shall be removed from the site.

Tree root systems in proposed building areas should be removed to a minimum depth of 3 feet and to such an extent which would permit removal of all roots larger than 1 inch. Tree roots removed in parking areas may be limited to the upper 1½ feet of the ground surface. Backfill of tree root excavations should not be permitted until all exposed surfaces have been inspected and the Soils Engineer is present for the proper control of backfill placement and compaction. Burning in areas which are to receive fill materials shall not be permitted.

SUBGRADE PREPARATION: Surfaces to receive Engineered Fill, building or slab loads shall be prepared as outlined above, excavated/scarified to a depth of 12 inches, moisture-conditioned as necessary, and compacted to 90 percent relative compaction.

Loose soil areas, areas of uncertified fill, and/or areas of disturbed soils shall be moisture-conditioned as necessary and recompacted to 90 percent relative compaction. All ruts, hummocks, or other uneven surface features shall be removed by surface grading prior to placement of any fill materials. All areas which are to receive fill materials shall be approved by the Soils Engineer prior to the placement of any of the fill material.

EXCAVATION: All excavation shall be accomplished to the tolerance normally defined by the Civil Engineer as shown on the project grading plans. All over-excavation below the grades specified shall be backfilled at the Contractor's expense and shall be compacted in accordance with the applicable technical requirements.

FILL AND BACKFILL MATERIAL: No material shall be moved or compacted without the presence of the Soils Engineer. Material from the required site excavation may be utilized for construction site fills provided prior approval is given by the Soils Engineer. All materials utilized for constructing site fills shall be free from vegetation or other deleterious matter as determined by the Soils Engineer.

PLACEMENT, SPREADING AND COMPACTION: The placement and spreading of approved fill materials and the processing and compaction of approved fill and native materials shall be the responsibility of the Contractor. However, compaction of fill materials by flooding, ponding, or jetting shall not be permitted unless specifically approved by local code, as well as the Soils Engineer.

Both cut and fill areas shall be surface-compacted to the satisfaction of the Soils Engineer prior to final acceptance.

SEASONAL LIMITS: No fill material shall be placed, spread, or rolled while it is frozen or thawing or during unfavorable wet weather conditions. When the work is interrupted by heavy rains, fill operations shall not be resumed until the Soils Engineer indicates that the moisture content and density of previously placed fill are as specified.

APPENDIX C

PAVEMENT SPECIFICATIONS

1. DEFINITIONS - The term "pavement" shall include asphaltic concrete surfacing, untreated aggregate base, and aggregate subbase. The term "subgrade" is that portion of the area on which surfacing, base, or subbase is to be placed.

The term "Standard Specifications": hereinafter referred to is the 2010 Standard Specifications of the State of California, Department of Transportation, and the "Materials Manual" is the Materials Manual of Testing and Control Procedures, State of California, Department of Public Works, Division of Highways. The term "relative compaction" refers to the field density expressed as a percentage of the maximum laboratory density as defined in the applicable tests outlined in the Materials Manual.

2. SCOPE OF WORK - This portion of the work shall include all labor, materials, tools, and equipment necessary for, and reasonably incidental to the completion of the pavement shown on the plans and as herein specified, except work specifically noted as "Work Not Included."

3. PREPARATION OF THE SUBGRADE - The Contractor shall prepare the surface of the various subgrades receiving subsequent pavement courses to the lines, grades, and dimensions given on the plans. The upper 12 inches of the soil subgrade beneath the pavement section shall be compacted to a minimum relative compaction of 90 percent. The finished subgrades shall be tested and approved by the Soils Engineer prior to the placement of additional pavement courses.

4. UNTREATED AGGREGATE BASE - The aggregate base material shall be spread and compacted on the prepared subgrade in conformity with the lines, grades, and dimensions shown on the plans. The aggregate base material shall conform to the requirements of Section 26 of the Standard Specifications for Class 2 material, 1½ inches maximum size. The aggregate base material shall be spread and compacted in accordance with Section 26 of the Standard Specifications. The aggregate base material shall be spread in layers not exceeding 6 inches and each layer of aggregate material course shall be tested and approved by the Soils Engineer prior to the placement of successive layers. The aggregate base material shall be compacted to a minimum relative compaction of 95 percent.

5. AGGREGATE SUBBASE - The aggregate subbase shall be spread and compacted on the prepared subgrade in conformity with the lines, grades, and dimensions shown on the plans. The aggregate subbase material shall conform to the requirements of Section 25 of the Standard Specifications for Class 2 material. The aggregate subbase material shall be compacted to a minimum relative compaction of 95 percent, and it shall be spread and compacted in accordance with Section 25 of the Standard Specifications. Each layer of aggregate subbase shall be tested and approved by the Soils Engineer prior to the placement of successive layers.

6. ASPHALTIC CONCRETE SURFACING - Asphaltic concrete surfacing shall consist of a mixture of mineral aggregate and paving grade asphalt, mixed at a central mixing plant and spread and compacted on a prepared base in conformity with the lines, grades and dimensions shown on the plans. The viscosity grade of the asphalt shall be PG 64-10. The mineral aggregate shall be Type B, ½ inch maximum size, medium grading and shall conform to the requirements set forth in Section 39 of the Standard Specifications. The drying, proportioning and mixing of the materials shall conform to Section 39.

The prime coat, spreading and compacting equipment and spreading and compacting mixture shall conform to the applicable chapters of Section 39, with the exception that no surface course shall be placed when the atmospheric temperature is below 50° F. The surfacing shall be rolled with a combination of steel wheel and pneumatic rollers, as described in Section 39-6. The surface course shall be placed with an approved self-propelled mechanical spreading and finishing machine.

7. FOG SEAL COAT - The fog seal (mixing type asphaltic emulsion) shall conform to and be applied in accordance with the requirements of Section 37.

APPENDIX D

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ROUX

Phase I Environmental Site Assessment

975 Main Street
Watsonville, CA

December 18, 2018

Prepared for:
Boos Development

Prepared by:

Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, California 94607

Environmental Consulting
& Management
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3181.0001S.100/C

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Executive Summary

975 Main Street Associates, LLC (User) retained Roux Associates, Inc. (Roux) to perform a Phase I Environmental Site Assessment (ESA) at the property associated with the following street addresses: 975, 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, California, designated as Assessor Parcel Numbers (APNs) 018-261-014 and 018-261-029 (Site). As specified in Roux's March 29, 2018 Proposal (Proposal), Roux performed this Phase I ESA in general accordance with the American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13) in an effort to identify, to the extent feasible, the presence of *recognized environmental conditions* (RECs) with respect to the Site as defined in ASTM E1527-13.

The Site is approximately 3.2-acres in area and is improved with a total of five separate buildings with associated asphalt paved parking lots. The southern portion of the Site currently includes a vacant lot. Tenants at the site include a restaurant, a grocery store, an auto parts/repair shop, auto glass tinting, and a commercial towing company. The Site is bordered by Main Street to the north, Ramsay Park to the west, and Watsonville Slough to the south and east.

the Site was undeveloped land used for agriculture prior to 1937. By 1945, the buildings associated with 1075 Main Street and 1035 Main Street had been developed. By 1956 the building associated with 1017 Main Street had been developed. At some point between 1960 and 1962, the building associated with 999 Main Street had been developed. A gasoline service station is known to have existed at 1035 Main Street since at least the 1950's and ceased operation by 1976. The underground storage tanks were removed in 1984.

ASTM E1527-13 defines a REC 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."

The term recognized environmental condition is not intended to include *de minimis* conditions that generally do 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.

Roux Associates did not identify any RECs in connection with the Site.

Although not identified as a REC, the Site has historically been used as truck stops, truck/bus facilities, auto repair shops, and gasoline and diesel service stations, and is currently occupied by three auto service shops. These operations would have actively stored and used petroleum products such as gasoline, diesel, and motor oil, as well as other chemicals during daily business activities for more than 60 years. Motor oil staining was observed during Site reconnaissance. Additionally, numerous historic facilities that would have used petroleum products existed directly across Main Street to the north of the Site, such as truck/bus facilities, auto repair shops, and gasoline service stations. Several of these facilities are known to have historically used gasoline and diesel USTs; although, none have open environmental investigations or any known contamination issues. .

The following *de minimis* conditions were identified in connection with the Site:

- Motor oil buildup in paved and unpaved areas: Significant buildup of motor oil was observed across the Site's parking areas in paved but degraded asphalt as well as in unpaved areas. Oil buildup has the potential to run off into storm drains during rain events and can also infiltrate through degraded pavement and unpaved surfaces into subsurface soil and groundwater; and

- Unlabeled drum at 999c Main Street: An unlabeled drum, likely used for waste oil, was observed in 999c Main Street with oil on the lid and the side of the drum.

Roux identified the following data gaps:

- The City of Watsonville has not responded to the public records request as of the submission of this report. This data gap is not considered to be a material limitation in the preparation of this Phase I ESA.

1. INTRODUCTION

Roux Associates, Inc. (Roux) completed this Phase I Environmental Site Assessment (ESA) of approximately 3.2 acres of commercial property associated with the following street addresses: 975, 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, California, designated as Assessor Parcel Numbers (APNs) 018-261-014 and 018-261-029 (Site; Figures 1 and 2). Roux has performed this Phase I ESA in compliance with the scope and limitations of American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13) and the terms and conditions of Roux's proposal dated March 29, 2018 (Proposal). Roux conducted this Phase I ESA for the benefit of 975 Main Street Associates, LLC (User), who desired the completion of all appropriate inquiries into the previous ownership and uses of the Site in order to qualify for liability protection under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)[1].

The following sections of this report present our Phase I ESA findings and conclusions.

1.1 Purpose

The purpose of this Phase I ESA is to identify and report, to the extent feasible, recognized environmental conditions (RECs) with respect to the Site. Performing a Phase I ESA in general compliance with ASTM E1527-13 may enable a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. That is, the practice that constitutes one of the requirements for "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35) (B).

1.2 Scope of Services

The scope of services for this Phase I ESA included, but was not limited to, the activities listed below:

- A review of reasonably ascertainable and practicably reviewable topographic maps, historical aerial photographs, historical Sanborn fire insurance maps, and city directories to investigate past Site conditions;
- A review of specific government lists pursuant to ASTM Standard E1527-13 regarding environmental activities for the Site and local area properties;
- A review of records, permits, citations, and/or reports connected to the Site that were reasonably ascertainable, practicably reviewable, and publicly available within reasonable time and cost; and
- Preparation of this Phase I ESA Report.

Roux initiated this Phase I ESA pursuant to written authorization received from the User on August 22, 2018, pursuant to Roux's Proposal.

[1] Due to the User's ASTM E1527-13 responsibilities, Roux Associates makes no guarantees or warranties, expressed or implied, that this Phase I ESA will in fact qualify User for a defense to CERCLA liability.

1.3 Standard of Care

Roux conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to the performance. Roux conducted this Phase I ESA in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

Please note that the scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Site and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site liabilities.

Additionally, the findings of this Phase I ESA are based on Roux' observations, inquiries, and historical research using reasonably ascertainable and practically reviewable information obtained within a reasonable time and cost constraints. Roux does not represent that this Phase I ESA is an exhaustive investigation that reflects the findings of all the information available for the Site, nor is it representative of future Site conditions. If additional information is generated from the Site, it should be provided to Roux so that we may evaluate its impact on our conclusions. As such, activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. It is not intended that a Phase I ESA in accordance with ASTM E1527-13 be an exhaustive assessment of a property nor can it wholly eliminate uncertainty regarding the potential for RECs in connection with a property.

1.4 Assumptions

This Phase I ESA Report, including the exhibits attached hereto, describes the results of Roux's investigation to identify the presence of RECs connected with the Site in accordance with ASTM E1527-13, as allowed by and consistent with the regulatory requirements of the All Appropriate Inquiry (AAI) Rule, 40 CFR Part 312, Amendment to Standards and Practices for All Appropriate Inquiries Under CERCLA, Final Rule, published December 30, 2013 (AAI Rule). Specifically, the preamble to the amended AAI Rule states:

> *The Environmental Protection Agency (EPA) today is taking final action to amend the standards and practices for conducting all appropriate inquiries under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to reference a standard practice recently made available by ASTM International, a widely recognized standards development organization. Specifically, this final rule amends the "All Appropriate Inquiries Rule" at 40 CFR Part 312 to reference ASTM International's E1527–13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" and make clear that persons conducting all appropriate inquiries may use the procedures included in this standard to comply with the All Appropriate Inquiries Rule*[2].

One of the requirements that a person acquiring real property must meet in order to qualify for either the innocent landowner, contiguous owner, or bona fide prospective purchaser (collectively hereinafter

[2] Federal Register: December 30, 2013 (Volume 78, Number 250) Page 79319

"Prospective Purchaser") defense to liability under the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and the Small Business Liability Relief and Brownfields' Revitalization Act of 2002, 42 U.S.C. 9601-9675 (collectively referred to hereafter as "CERCLA") is that person must conduct all appropriate inquiries into the previous ownership and uses of the property in conformance with the AAI Rule (or the ASTM E1527-13) prior to the acquisition of the property. The User has acknowledged that, under the AAI Rule, Roux' performance of this Phase I ESA in accordance with ASTM E1527-13 will not alone result in the User satisfying all requirements of the AAI Rule and will not in itself provide a defense to CERCLA liability. The User has acknowledged that the AAI Rule also requires that the Prospective Purchaser undertake certain additional inquiries and post-acquisition activities to satisfy the CERCLA AAI requirements. Accordingly, Roux makes no guarantees or warranties, expressed or implied, regarding this Phase I ESA, including without limitation, that this Phase I ESA will qualify the User for a defense to CERCLA liability.

Roux has performed this Phase I ESA in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Professional judgments expressed herein are based on the facts currently available to Roux.

The AAI Rule requires, and the conclusions stated herein represent, the application of a variety of engineering and technical disciplines to material facts and conditions associated with the Site. As such, these conclusions are based on subjective interpretations and the exercise of discretion based on the facts available to Roux and conditions at the time of the performance of this Phase I ESA. Many of these facts and conditions are subject to change over time. Accordingly, the conclusions must be considered within this context.

The User has agreed that Roux shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this Phase I ESA was performed. To the extent practicable, Roux has identified data gaps and has evaluated the potential significance of such data gaps. Recommendations to address those data gaps may be provided to the User upon request and are based on the data available at the time of the performance of this Phase I ESA. Implementation of the recommendations may not fully address the data gaps, and the information obtained from the execution of those recommendations may alter and/or modify the interpretation of the Site conditions and conclusions, herein. This Phase I ESA does not include consideration of matters specifically excluded by ASTM E1527-13, including but not limited to, asbestos-containing materials (ACM), radon, lead-based paint (LBP), lead in drinking water, wetlands, regulatory compliance, and mold unless specifically identified herein.

Roux has not collected samples at the Site and is relying on information from other sources. By referencing this information, Roux does not accept responsibility for the accuracy of the underlying data, sampling methods, laboratory analysis, or documentation.

This Phase I ESA Report should not be considered a legal interpretation of existing environmental laws and regulations. This Phase I ESA was conducted with a reasonable degree of inquiry to identify RECs, but uncertainty is not eliminated. No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The Phase I ESA process is intended to reduce, but not eliminate, the uncertainty involved with identifying RECs.

This Phase I ESA Report is not an appraisal or value judgment of the Site. The User has agreed that Roux shall not be liable for any use of this Phase I ESA Report as an appraisal or value judgment of the Site.

This Phase I ESA Report has been prepared for the exclusive use of the User for specific application to the Site covered by this Phase I ESA Report. The User has agreed that any third-party use of this Phase I ESA Report, upon disclosure by the User, is the sole responsibility and at the sole liability of the User.

1.5 Limitations and Exceptions

The limitations and exceptions associated with performing this assessment include outstanding Freedom of Information Act (FOIA) requests. These are described as data gaps in Section 7.0.

1.6 Special Terms and Conditions

There were no special terms and conditions associated with performing this assessment.

1.7 User Reliance

This report is confidential and has been prepared for the exclusive use of the User. No additional parties may use the information contained in this report without obtaining the written permission of Roux or the User. Roux' duties and obligations extend to the User and to no other party. Roux' duties and obligations to the User are not transferable to persons, corporations, or organizations without the express written consent of the User and Roux.

This Phase I ESA Report must be read and interpreted as a whole and can only be considered representative of the conditions of the Site as of the date of our Site reconnaissance described herein. Roux makes no representation whatsoever concerning the condition of the Site beyond the date of our Site reconnaissance described herein. Individual sections and appendices of this report are dependent on the balance of this report, and on the terms, conditions, and stipulations contained in the proposal and written amendments accepted by Roux.

2. SITE DESCRIPTION

2.1 Location and Legal Description

The Site is located south of the intersection of Main Street and Auto Center Drive, on two parcels of land designated as APNs 018-261-014 and 018-261-029 in Watsonville, California (Figures 1 and 2). The Site is comprised of approximately 3.2 acres of commercial properties and a vacant lot.

2.2 Site and Vicinity General Characteristics

The Site is currently utilized as three auto service and/or repair shops, an auto supply store, a grocery store, a restaurant, a storage building, two potential residences, and a vacant lot. The Site is bordered by Main Street to the north, Ramsay Park to the west, and Watsonville Slough to the south and east. Across the street to the north are commercial properties. The area in the vicinity of the Site is generally mixed residential and commercial.

The elevation of the Site ranges between approximately 24 and 28 feet above mean sea level (AMSL), according to several sources including Google Earth, topographic maps (Appendix A), and the Radius Map Report provided by Environmental Data Resources, Inc. of Milford, Connecticut (EDR) (Appendix B). Site topography is generally flat, and the surrounding area generally slopes gently to the southeast.

2.3 Current and Past Use of the Site

Current and past uses of the Site have been interpreted from EDR's topographic maps, aerial photographs Sanborn maps, city directory listings, as well as Environmental Investigation Service's (EIS') 2004 Phase I ESA[3], which will all be discussed in detail in Sections 3 and 4. Past uses across the Site generally included auto repair shops, truck stops, fuel service stations, welding service, retail and food stores, small businesses, and restaurants. Past uses for each address are described below:

975 Main Street: There are no indications of past uses for this address. The property associated with this address is currently a vacant lot.

999 Main Street: The single-story 2,400 square-foot building at this address occupies the east side of the Site and was developed by 1963. Past uses include a boat shop, auto shops, a family fun center, a bus depot, truck rentals, used car dealerships, and retail stores. This building is currently occupied by Eclipse Window Tint, and auto shop, and JV Towing, an auto repair shop and car storage yard.

1017 Main Street: The single-story 1,464 square-foot building at this address occupies the south side of the Site behind 1035 Main Street and was developed by 1945. Past uses include auto shops and a piñata store. This building is currently used for the storage of carnival ride parts.

1035 Main Street (historic address of 609 Hwy 1): The single-story 7,113 square-foot building at this address occupies the central portion of the Site and was developed by 1945. Past uses include truck stops, auto repair shops, gasoline/diesel service stations, welding service, a health clinic, food nutrition center, a night

[3]EIS, 2004. *Phase I Environmental Site Assessment, 999, 1017, 1035, 1039 & 1075 Main Street, Watsonville, California.* July 1.

club, a grocery store, and various retail stores. By 1970, the address had changed from 609 Hwy 1 to 1035 Main Street. This building is currently occupied by an auto parts store/auto shop, and a supermarket.

1039 Main Street: No listings for this address were identified.

1075 Main Street (historic address of 615 Hwy 1): The 3,651 square-foot building at this address occupies the west side of the Site and was developed by 1945. By 1970, the address had changed from 615 Hwy 1 to 1075 Main Street. This building has been and is currently used as a restaurant, although it includes one second-story room that may be being used as a residence.

3. RECORDS REVIEW

This section contains relevant historical information related to the Site and surrounding properties gathered from the following:

- EDR United States Geological Survey (USGS) Historical Topographic Maps (Appendix A);
- EDR radius map (Appendix B);
- EDR aerial photographs (Appendix C);
- Certified Sanborn Fire Insurance maps (Appendix D);
- EDR City Directory Abstract, dated September 10, 2018 (Appendix E), all in Section 5.1; and
- Public records from the public agencies in Section 5.2 (Appendix F).

Other records reviewed include User-provided documents, which include past environmental investigations at the Site, and are discussed in Section 4 and provided in Appendix G.

3.1 Historical Sources Summary

Table 1 below provides a historical summary of the Site in 10-year increments using information compiled from historical aerial photographs, historical United States Geological Survey (USGS) topographic maps, Sanborn maps, and city directory records. Prior to 1970, the Site addresses corresponded to Highway 1 instead of Main Street, and records were not able to be obtained for these listings; therefore, city directory listings previously noted in EIS' 2004 *Phase I ESA*[4] are used in lieu of EDR's results. Table 1 includes a discussion of pertinent findings but is not exhaustive of all historical information that may be available for the Site.

Table 1

Summary of Historical Sources

Date Range	Site Description	Historical Sources
Pre-1920	In the 1912 topographic map, the Site is undeveloped, and Watsonville Slough runs along the eastern edge of the Site. A large grid of buildings is located approximately 450 feet east of the Site and two parallel southwest to northeast trending rail lines are approximately 2,500 feet south of the Site. This topographic map shows the Site elevation between 20 and 40 feet AMSL. The 1914/1917 topographic map is consistent with the 1912 topographic map.	- 1912 USGS Capitola Topographic Map (15-minute) - 1914 USGS Capitola / 1917 San Juan Bautista Topographic Maps (15-minute)
1920-1929	No EDR listings for the Site were identified between 1920 and 1929.	

[4] EIS, 2004. *Phase I Environmental Site Assessment, 999, 1017, 1035, 1039 & 1075 Main Street, Watsonville, California.* July 1.

Table 1 Summary of Historical Sources		
Date Range	**Site Description**	**Historical Sources**
1930-1939	In the 1937 aerial photograph, the Site is located on two plots of agricultural land and the slough, whose channel has changed since the 1914 topographic map, is now past the eastern border of the Site.	-1937 EDR Aerial Photograph
1940-1949	In the 1949 aerial photograph, two buildings occupy the Site with one circular building on the east side and another rectangular building on the central portion of the Site. An unidentifiable structure is to the north or the large building in the central portion of the Site. The Site appears to be unpaved, and large trucks and cars are parked in several locations. An east to west running paved road runs along the Site's northern border. This road was historically known as State Hwy 1 and is currently known as Main Street. The areas immediately east, south, and west are still agricultural land, as are the areas across the street to the north and northwest.	- 1949 EDR Aerial Photograph
1950-1959	According to EIS' Phase I ESA, 609 Hwy 1 (currently 1035 Main Street) was listed as the following between 1950 and 1959: • 1950-1953: Carroll's Truck Stop and Coffee Shop, and Chuck's Shell Service Gas Station; • 1956-1957: Jim's Shell Service, Carroll's Firestone Center, and Burkett's Welding Service in 1956/1957 According to EIS' Phase I ESA, 615 Hwy 1 (1075 Main Street) was listed as Carroll's Drive-In Restaurant, Carroll's BBQ Restaurant, and Carroll's Windmill Restaurant between 1950 and 1959. The 1954/1955 topographic map is consistent with the 1949 aerial photograph. In the 1956 aerial photograph, the properties across the road to the north have been developed with two buildings and associated parking lots on either side of a north to south trending paved road that ends at the road directly north of the Site.	-EIS' Phase I ESA: City Directory Listings between 1950 and 1959 - 1954 USGS Watsonville West / 1956 Watsonville East Topographic Maps (7.5-minute) -1956 EDR Aerial Photograph

Table 1 Summary of Historical Sources		
Date Range	**Site Description**	**Historical Sources**
1960-1969	According to EIS' Phase I ESA, 609 Hwy 1 (currently 1035 Main Street) was listed as the following between 1960 and 1969: • 1960: Carroll's Firestone Center • 1967: P&G Auto Repair Truck Stop • 1969: Bob's Truck Stop City directory listings from 1960 and 1964 in the EDR report are not included in this report, as the addresses listed did not correspond to the Site until 1970. In the 1960 Sanborn map, the road on the northern border of the Site is called State Hwy No. 1, which is separated from a parallel road named Frontage Road by a median identified as a park. four buildings occupy the Site. A restaurant with the address of 615 State Hwy No. 1 occupies the northeastern portion of the Site and a small restroom is directly south of the restaurant. A Tire Sales & Service and re-capping shop with the address of 601 State Hwy No. 1 occupies the central portion of the Site. This building includes a mezzanine and four small rooms on the eastern side including a build-up room, buffing room, tool room, and rubber staging room. A smaller building south of the tire shop with the address of 601 ½ State Hwy. No. 1 is a tire staging area. Across the street to the north is a grocery store. Across the street to the west is a restaurant. Across the street to the east is a gasoline and oil service station. In the 1962 Sanborn map, an auto repair shop corresponding to 609 B State Hwy. No. 1 is east of the tire shop; otherwise the map is consistent with the 1960 Sanborn map. In the 1968 aerial photograph the land to the west of the Site has been graded. In the 1968 topographic map, the property to the west of the Site is Ramsay Park.	-EIS' Phase I ESA: City Directory Listings between 1950 and 1959 -1960 Certified Sanborn Map -1962 Certified Sanborn Map -1968 EDR Aerial Photograph -1968 USGS Watsonville West / Watsonville East Topographic Maps (7.5-minute)

Table 1 Summary of Historical Sources		
Date Range	**Site Description**	**Historical Sources**
1970-1979	1971 City Directory listings for the Site are as follows: • Custom Speed Marine Boats and P&G Auto Repair at 999 Main Street; • Bob's Truck Stop at 1035 Main Street, a potential diesel service station; and • Windmill Drive-In Restaurant at 1075 Main Street. 1971 City Directory listings of interest for surrounding properties are as follows: • Bill's Phillips 66 at 992 Main Street, a gasoline service station, across the street to the north of the Site; and • Lincoln Mercury Used Cars at 1138 Main Street, across the street to the northwest of the Site; and • Best Oil Gas Station at 1180 Main Street, approximately 400 feet northwest of the Site. The 1971 aerial photograph is consistent with the 1968 topographic map. In the 1974 aerial photograph, the building across the street to the north of the Site that housed a gasoline and oil service station has been demolished. Ramsay Park to the west of the Site now has a large grass field. 1975 City Directory listings for the Site are as follows: • P&G Auto Repair at 999 Main Street; • Bob's Truck Stop, a potential diesel service station, Crowley & Farr Auto Service, and Resetar Garage at 1035 Main Street; and • Windmill Drive-In at 1075 Main Street. 1975 City Directory listings of interest for surrounding properties are as follows: • Puritan Oil Company, a potential gasoline service station, at 1114 Main Street across the street to the northwest of the Site; and • Fast Gas Service at 1180 Main Street, approximately 400 feet northwest of the Site. Puritan Oil Company is listed in the 1964 city directory listings at the same address, which corresponded to the street currently known as Freedom Boulevard; this may indicate that the company was erroneously listed at this address in 1975.	- 1971 City Directory Listings -1971 EDR Aerial Photograph -1974 EDR Aerial Photograph -1975 City Directory Listings

1980-1989	1980 City Directory listings for the Site are as follows: • Automatic Transmission and Watsonville Transmission at 999 Main Street; • Weigandt Chrysler Dodge at 1035 Main Street; and • Hacienda Mexican and American restaurant at 1075 Main Street. 1980 City Directory listings of interest for surrounding properties are as follows: • Ronald Jack W Cars, a potential car sales facility at 1010 Main Street, across the street to the north of the Site; • Puritan Oil Company, a potential gasoline service station at 1114 Main Street across the street to the northwest of the Site; and • Fast Gas Service at 1180 Main Street, approximately 400 feet northwest of the Site. Puritan Oil Company is listed in the 1964 city directory listings at the same address, which corresponded to the street currently known as Freedom Boulevard; this may indicate that the company was erroneously listed at this address in 1980. In the 1980 topographic map, the properties across the road to the north of the Site have been furthered developed with additional buildings. In the 1981 aerial photograph, the property across the street to the northwest of the Site now has several buildings that were previously an empty lot. The property across the street to the northeast that formerly housed a gasoline and oil service station has been redeveloped with a building. 1985 City Directory listings for the Site are as follows: • Family Fun Center at 999 Main Street; • Emergency Food Bank and Salud Para La Genta at 1035 Main Street; and • El Molino Restaurant at 1075 Main Street. 1985 City Directory listings of interest for surrounding properties are as follows: • El Amigo Used Cars at 1010 Main Street, across the street to the north of the Site; • Puritan Oil Company, a potential gasoline service station at 1114 Main Street across the street to the northwest of the Site; and • Fast Gas Service at 1180 Main Street, approximately 400 feet northwest of the Site. Puritan Oil Company is listed in the 1964 city directory listings at the same address, which corresponded to the street currently known as Freedom Boulevard; this may indicate that the company was erroneously listed at this address in 1980 and 1985.	- 1980 City Directory Listings - 1980 USGS Watsonville East / Watsonville West Topographic Maps (7.5-minute) - 1981 EDR Aerial Photograph -1985 City Directory Listings -1987 EDR Aerial Photograph 1987 USGS Capitola / Prunedale Topographic Maps (15-minute)

Table 1 Summary of Historical Sources		
Date Range	**Site Description**	**Historical Sources**
	In the 1987 aerial photograph, the area of the Site west of 999 Main Street has been paved. The 1987 topographic map is consistent with the 1987 aerial photograph.	
1990-1999	1990 City Directory listings for the Site are as follows: • Chaz Auto Service at 975 Main Street; • Greyhound Bus Lines, a potential bus depot, and U-Haul Co at 999 Main Street; • Carpet Bank and Koe C O Feed & Pet at 1035 Main Street; and • Vallarta Restaurant at 1075 Main Street. 1990 City Directory listings of interest for surrounding properties are as follows: • Avalos J Used Cars at 1010 Main Street, across the street to the north of the Site; • Fargo Transport, Sable Carriers, Silver Eagle Express, and Sun State, a potential truck facility at 1150 Main Street, across the street to the north of the Site; and • Jet Gas at 1180 Main Street, approximately 400 feet northwest of the Site. The 1993 aerial photograph is consistent with the 1987 topographic map. The 1993/1994 and 1995 topographic maps are consistent with the 1993 aerial photograph. 1995 City Directory listings for the Site are as follows: • Connexion Musical and Flamingos Club at 1035 Main Street; • Golden Pacific Monarch House at 1059 Main Street, a potential bus depot; and • Discounts Plus Two at 1075 Main Street. 1995 City Directory listings of interest for surrounding properties are as follows: • Coastal Enterprises, a potential truck facility at 1138 Main Street, across the street to the northwest of the Site; and • Ultramar Inc, a gasoline service station at 1180 Main Street, approximately 400 feet northwest of the Site.	- 1990 City Directory Listings -1993 EDR Aerial Photograph -1993 USGS Watsonville East / 1994 Watsonville West Topographic Maps (7.5-minute) -1995 USGS Watsonville West / Watsonville East Topographic Map (7.5-minute) -1995 City Directory Listings

Table 1

Summary of Historical Sources

Date Range	Site Description	Historical Sources
2000-2009	2000 City Directory Listings for the Site are as follows: • Marquez Brothers Pinatas at 975 Main Street; • Auto & Truck Depot Park, Carrillo Tires, Eclipse Window Tint, Ryder Truck, and Watsonville Gung Fu Club at 999 Main Street; • Bill's Auto Accessories at 1035 Main Street; and • Margarita's Grill at 1075 Main Street. 2000 City Directory Listings of interest for surrounding properties are as follows: • S&S Auto Sales at 1010 Main Street, across the street to the north of the Site; • Last Detail MBL Auto Detailing at 1110 Main Street, across the street to the northwest of the Site; • Enterprise Rent-A-Car Company at 1150 Main Street, approximately 300 feet northwest of the Site; • Coastal Enterprises, a potential trucking facility at 1138 Main Street, across the street to the northwest of the Site; and • Ultramar Inc, a gasoline service station at 1180 Main Street, approximately 400 feet northwest of the Site. 2005 City Directory Listings for the Site are as follows: • Carrillo Tires at 975 Main Street; • Eclipse Window Tint, JV Towing, Lube 4 Less, Rafael & Son Auto Service, and Ryder Truck at 999 Main Street; • Mi Ranchito Carniceria and Supermercado at 1039 Main Street; and • Margarita's Grill at 1075 Main Street. 2005 City Directory Listings of interest for the surrounding properties are as follows: • Toyota Santa Cruz-Watsonville at 1010 Main Street, across the street to the north of the Site; • Enterprise Rent-A-Car Company at 1150 Main Street, approximately 300 feet northwest of the Site; and • Ultramar Inc, a gasoline service station at 1180 Main Street, approximately 400 feet northwest of the Site. The 2006 and 2009 aerial photographs are consistent with the 1995 topographic map.	-2000 City Directory Listings -2005 City Directory Listings -2006 EDR Aerial Photograph -2009 EDR Aerial Photograph

Table 1 Summary of Historical Sources		
Date Range	**Site Description**	**Historical Sources**
2010-Present	2010 City Directory listings for the Site are as follows: • Eclipse Window Tint and JV Towing at 999 Main Street; • Street Scene On/Off-Road Performance, an auto parts store and auto repair shop at 1035 Main Street; • Mi Ranchito Supermarcado at 1039 Main Street; and • Margarita's Grill and Taqueria Mundial at 1075 Main Street. 2010 City Directory listings of interest for the surrounding properties are as follows: • Enterprise Rent-A-Car Company at 1150 Main Street, approximately 300 feet northwest of the Site; and • Ultramar Inc and Valero Corner Store, a gasoline service station at 1180 Main Street, approximately 400 feet northwest of the Site. In the 2012 aerial photograph, the property across the street to the north has been redeveloped. The 2012 topographic map is consistent with the 2012 aerial photograph. 2014 City Directory listings for the Site are as follows: • Eclipse Window Tint and JV Towing at 999 Main Street; • Street Scene On/Off-Road Performance, an auto parts store and auto repair shop at 1035 Main Street; • Mi Ranchito Supermercado at 1039 Main Street; and • Margarita's Grill and Taqueria Mundial at 1075 Main Street. 2014 City Directory listings of interest for the surrounding properties are as follows: • Enterprise Rent-A-Car Company at 1150 Main Street, approximately 300 feet northwest of the Site; and • Ultramar Inc and Valero Corner Store, a gasoline service station at 1180 Main Street, approximately 400 feet northwest of the Site. In the 2016 aerial photograph, the property across the street to the north has undergone further development.	-2010 City Directory Listings -2012 EDR Aerial Photograph -2012 USGS Watsonville West / Watsonville East Topographic Map (7.5-minute) -2014 City Directory Listings -2016 EDR Aerial Photograph

3.2 Database Search

Roux used a computerized environmental database and radius map report prepared by EDR to conduct a government records database search of sites of potential environmental concern within a maximum of a one-mile radius of the Site. Appendix B contains a complete copy of the EDR Radius Map Report with GeoCheck® and a description of the databases. Table 2 below shows the search results for all database listings within one mile of the Site. One listing indicative of a release (i.e. Superfund National Priorities List [NPL]; LUST) was identified within one-eighth of a mile of the Site, approximately 400 feet northwest (upgradient) of the Site.

Table 2 - Properties of Potential Environmental Concern

Database[5]	Target Property	<1/8 mile	1/8 - 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	Total
AST	0	0	0	5	0	**5**
CA FID UST	0	1	3	0	0	**4**
CERS HAZ WASTE	0	2	6	0	0	**8**
CERS TANKS	0	1	2	0	0	**3**
CORRACTS	0	0	0	0	1	**1**
CPS-SLIC	0	0	0	5	0	**5**
CUPA LISTINGS	0	2	5	0	0	**7**
DEED	0	0	0	1	0	**1**
EDR HIST AUTO	2	3	0	0	0	**5**
EDR MGP	0	0	0	1	0	**1**
ENVIROSTOR	0	0	1	9	9	**19**
HIST CAL SITES	0	0	0	1	0	**1**
HIST CORTESE	0	1	3	5	0	**9**
HIST UST	0	3	6	0	0	**9**
HWP	0	0	0	0	1	**1**
LUST	0	1	6	12	0	**19**

[5] Descriptions of the EDR databases can be found in the EDR Radius Report (Appendix B).

Database[5]	Target Property	<1/8 mile	1/8 - 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	Total
NOTIFY 65	0	0	0	1	2	**3**
RCRA SQG	0	0	4	0	0	**4**
RESPONSE	0	0	1	0	0	**1**
SEMS-ARCHIVE	0	0	1	0	0	**1**
SWEEPS UST	0	1	3	0	0	**4**
UST	0	1	0	0	0	**1**
VCP	0	0	0	1	0	**1**
TOTAL	**2**	**16**	**41**	**41**	**13**	**112**

Off-site properties that meet the criteria presented below are discussed in this report:

- Facilities located immediately adjacent to the Site are examined due to their close proximity to the Property and the potential for surface water discharges (e.g., stormwater runoff, surface water effluent discharges) to enter the Property or through the migration of groundwater or soil vapor.
- Facilities located topographically or hydraulically upgradient to the Site.

Groundwater flow direction has been established to be variable, but most often flowing southeast or southwest in the vicinity of the Site. As such, facilities immediately adjacent to the Site or within 1/8 of a mile to the north, northeast, or northwest of the Site are discussed herein as having a potential impact on subsurface conditions at the Site.

3.2.1 On-Site Listings:

Street Scene On/Off-Road Performance (1035 Main Street)

EDR HIST AUTO: According to this listing, an Exxon Truck Stop gasoline service station occupied this facility between at least 1975 and 1982; and Street Scene On/Off-Road Performance, a general automotive repair shop, occupied this facility between at least 2008 and 2014.

Chaz Mobil Auto Service (975 Main Street)

EDR HIST AUTO: According to this listing, a general automatic repair shop occupied this facility between at least 1990 and 1992.

3.2.2 Off-Site Listings:

Dollar Tree #05233, 1010 Main Street (Across the Street to the North)

- CUPA LISTINGS: According to this listing, this facility generated hazardous waste. No other information is available.
- CERS HAZ WASTE: According to this listing, this facility received a violation in 2016 related to insufficient weekly inspection logs.

- CERS TANKS: According to this listing, this facility is a chemical storage facility.

JV Towing, 1110 Main Street (Across the Street to the North)

- EDR HIST AUTO: According to this listing, this facility was a gasoline service station between at least 1985 and 1987.

Puritan Oil Co, 1114 Main Street (Across the Street to the North)

- EDR HIST AUTO: According to this listing, this facility was a gasoline service station between at least 1969 and 1971. Puritan Oil Company is listed in the 1964 city directory listings at this address, which corresponded to the street currently known as Freedom Boulevard; this indicates that this company was erroneously plotted as being located at the current 1114 Main Street address.

Coastal Enterprises, 1138 Main Street (Across the Street to the Northwest)

- HIST UST: According to this listing, this facility installed single-walled 4,000-gallon gasoline UST in 1979, and a single-walled 2,000-gallon diesel UST in 1983.

Ultramar Beacon #737, 1180 Main Street (400 Feet Northwest)

- EDR HIST AUTO: According to this listing, this facility was a gasoline service station between at least 1995 and 2014.
- LUST: According to this listing, a Leaking Underground Storage Tank (LUST) case was opened in 1985 for a gasoline release. This case will be discussed further in Section 5.3.
- HIST UST: According to this listing, this facility installed three single-walled gasoline UST in 1965.
- CUPA SANTA CRUZ: According to this listing, this facility was registered in the Underground Storage Tank Program.
- HAZNET: According to this listing, this facility generated 0.105 ton of aqueous solution with total organic residues less than 10% in 2016.
- HIST CORTESE: This listing contains no useful information.
- CERS / CERS TANKS / CERS HAZ WASTE: According to these listings, this facility received the following violations: in 2017 for insufficient monitoring and maintenance records and insufficient secondary containment; in 2015 for not updating a business plan; and in 2013 for failure to prevent UST spills.

Fast Gas, 1180 Main Street (400 Feet Northwest)

- HIST UST: According to this listing, three USTs were installed in 1965.

Beacon Station #5-737, 1180 Main Street (400 Feet Northwest)

- UST: This listing contains no useful information.
- SWEEPS UST: This listing repeats information regarding the facility's historic USTs at 1180 Main Street.
- CA FID UST: This listing contains no useful information.

3.3 Agency Queries and Public Records Act Responses

Public records requests for the Site were submitted to federal, state, and local regulatory agencies using the address, cross streets and/or APN associated with the Site. Information obtained from all agency correspondence is included in Appendix F and is summarized below.

Regional Water Quality Control Board, Central Coast (RWQCB)

Roux submitted a records request to RWQCB on September 19, 2018. A response was received on September 21, 2018 stating that no listings for the Site were identified.

Roux queried the online State Water Resources Control Board (SWRCB) GeoTracker database on September 21, 2018. One closed case was identified one-eighth of a mile of the Site for Ultramar Beacon[6] at 1180 Main Street, approximately 400 feet northwest of the Site. A LUST case was opened in 1985 for a gasoline release. Facility UST systems and piping were removed and replaced in 1986 and 1998. A soil vapor extraction system ran at the facility between 2005 and 2009, and a groundwater extraction system ran between 2004 and 2009. A case closure, No Further Action letter was issued in December of 2016; which stipulated that residual soil and groundwater contamination could still exist that could pose an unacceptable risk under certain facility development activities such as grading, excavation, or de-watering.

Department of Toxic Substances Control (DTSC)

Roux submitted a records request to DTSC on September19, 2018. A response was received on September 27, 2018, stating that no listings for the Site were identified.

Roux queried the online DTSC Envirostor and Hazardous Waste Tracking System (HWTS) databases on September 21, 2018. No listings within one-eighth of a mile of the Site were identified from Envirostor. The following listings were identified on HWTS within one-eighth of a mile of the Site:

- Two listings, for Kayo Oil Co Station #05673 and Beacon Station #3737 at 1180 Main Street located approximately 400 feet northwest of the Site. The listing for Kayo Oil was active between 1988 and 2000, and the listing for Beacon was active between 1998 and 2007.
- One listing for Coastal Enterprises at 1138 Main Street, located across the street to the northwest of the Site, which has been inactive since 2000.

Monterey Bay Air Resources District (MBARD)

Roux submitted a records request to MBARD on September 19, 2018. A response was received on September 21, 2018 with a Permit to Operate issue to RV Ahlport, Inc. for 1035 Main Street issued for a gasoline storage tank. The permit was cancelled in 1976.

Division of Oil, Gas, and Geothermal Resources (DOGGR)

Roux queried the online DOGGR database on September 21, 2018. No oil wells associated with the Site or vicinity were identified.

Santa Cruz County Environmental Health (SCCEH)

Roux submitted records requests to SCCEH on September 19, 2018. A response was received on August 22, 2018 stating that all listings would be found on their online database.

Roux queried the online SCCEH files database for hazardous materials, septic systems, and well documents. No records for the Site or adjacent properties were identified.

Santa Cruz County Planning Department

[6] GeoTracker Case No. T0608700262

Roux submitted a records request to Santa Cruz County Planning Department on September 19, 2018. A response was received on the same day that the Site was not in their jurisdiction, and to contact the City of Watsonville.

City of Watsonville

Roux submitted a records request to the City of Watsonville on September 19, 2018. No response has been received as of the submission of this report.

3.4 Records Review Summary

In summary, the Site was undeveloped land used for agriculture prior to 1937. By 1945, the buildings associated with 615 Hwy 1 (currently 1075 Main Street) and 609 Hwy 1 (currently 1035 Main Street) had been developed. By 1956 the building associated with 601 ½ Hwy 1 (currently 1017 Main Street) had been developed. At some point between 1960 and 1962, the building associated with 609 State Hwy (currently 999 Main Street) had been developed. A gasoline service station is known to have existed at 1035 Main Street since at least the 1950's and ceased operation by 1976. The USTs were removed in 1984.

Historic Site uses include auto repair shops, truck stops, fuel service stations, welding service, retail and food stores, small businesses, and restaurants. Historic surrounding property uses of interest to the north of Main Street include gas stations, car dealerships, truck facilities, auto repair shops, and car rental facilities. Facilities directly upgradient which historically had USTs include a gasoline service station at 992 Main Street between at least 1960 and 1971; A service station at 1110 Main Street between at least 1985 and 1987; and gasoline and diesel USTs at 1138 Main Street between at least 1979 and 2000. These facilities would have actively stored and used petroleum products such as gasoline, diesel, and motor oil, as well as other chemicals during daily business activities for more than 60 years. Since there is no evidence of an actual release and there are no open environmental investigations, the historic Site uses and the automotive related uses of the surrounding properties have not been identified as a REC.

4. USER-PROVIDED INFORMATION

ASTM E1527-13 provides that the User perform certain tasks. The purpose of this section is to present select User-provided information that can assist in identifying possible RECs in connection with the Site.

4.1 User Questionnaire

Roux administered a Site questionnaire to the User. Mr. E. Karl Rice completed the questionnaire on August 22, 2018, included in Appendix G. According to the questionnaire completed by Mr. Rice, the Site is currently occupied by retail shops, a restaurant, a towing yard, and an auto body shop. Mr. Rice was not aware of any environmental liens, activity and land-use limitations, engineering or institutional controls, chemical releases or contamination on the Site, or environmental cleanups in connection with the Site. Additionally, Mr. Rice stated in the questionnaire that the purchase price of property reasonably reflected the fair market value.

4.2 Previous Environmental Investigations

The User also provided the following documents:

- EIS' 2004 *Phase I ESA;*
- Pacific Crest Engineering's 2004 *Limited Phase II and Geotechnical Investigation;*
- Robert A Karn & Associates, Inc.'s 2017 *Pre-Layout* figure for the Site, based on proposed development; and
- Gary H. Lamb, Public Land Surveyor's 2016 *Utility & Topographic Survey of 975 and 1035 Main Street*.

Previous environmental investigations related to the Site are discussed below:

EIS's 2004 Phase I ESA[7]

EIS completed a Phase I ESA at the Site in 2004, which concluded that the former gasoline and diesel underground storage tanks (USTs), which were reportedly located north of the building located at 1035 Main Street and in use from at least the 1950's through the 1970's, constituted a REC for the Site. The records gathered for this report indicated that two 6,000-gallon gasoline USTs and one 6,000-gallon diesel USTs were removed under permit with City of Watsonville Fire Department on October 5, 1984. The fire inspector noted that each UST was in good shape, with no leaks or any indication of flammable liquids in the UST pit. No soil samples were collected during the removal.

The report also identified City of Watsonville Fire Department records that stated from 1968 to 1971, Site tenants dumped combustible materials such as hay, tires, lumber, and old cars, and car parts over the bank on the west side of the Site.

EIS recommended an investigation of the former USTs to determine their impact to the Site's soil and groundwater, and to check under vegetation in the area that was historically a dumping ground, among several other recommendations not pertinent to the current Phase I ESA.

[7]EIS, 2004. *Phase I Environmental Site Assessment, 999, 1017, 1035, 1039 & 1075 Main Street, Watsonville, California.* July 1.

Although EIS identified the former USTs as a REC in 2004 because the fire inspector did not indicate he observed evidence of a release and because analytical results of subsequent soil sample collected adjacent to the former UST location were also not indicative of a release, Roux Associates does not consider the former USTs to constitute a REC.

Pacific Crest Engineering Inc.'s 2004 Limited Phase II and Geotechnical Investigation[8]

Pacific Crest Engineering Inc. performed a limited Phase II and geotechnical investigation at the Site in 2004. Four soil samples (EB-1 through EB-4) were collected directly east and west of the presumed location of the former USTs at depths ranging from approximately 8 to 11 feet below ground surface (bgs). Groundwater was not encountered. The total depths of these borings were 44 feet bgs in EB-1, and 31 to 33 feet bgs in EB-2 through EB-4.

Soil samples from EB-1 through EB-4 were analysed for total petroleum hydrocarbons (TPH) as diesel, gasoline, and motor oil, as well as for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl-tertiary butyl ether (MTBE). No analytes were detected except for toluene in EB-1 at a concentration of 0.0051 parts per million (ppm) at 8 feet bgs, which is well below the current Tier 1 (most conservative) environmental screening level (ESL)[9] for soil of 2.9 ppm.

Additionally, soil samples were collected in the vacant lot south of the Site (Borings 4 through 12) at depths ranging from 2 to 20 feet bgs. It was later determined that the locations of borings 7 through 12, which were advanced in the area reported to be a former dumping ground, were not located on-Site but on an adjacent property owned by the City of Watsonville. Groundwater was only encountered in Boring 5 in what was deemed a small perched water zone at 13 feet bgs.

Soil samples from borings 4 through 6 were analysed for TPH as diesel, gasoline, and motor oil, as well as for BTEX and MTBE. TPH as gasoline, diesel, and motor oil were detected at maximum concentrations of 1.8 ppm, 14 ppm, and 110 ppm, respectively. These concentrations are well below the soil Tier 1 ESLs for TPH as diesel, gasoline, and motor oil of 100, 230, and 5,100 ppm, respectively.

Phase II Investigation Data Gaps: Roux has determined that several data gaps from Pacific Crest Engineering's Phase II Investigation exist:

- Groundwater was not encountered in EB-1 through EB-4, advanced directly east and west of the presumed UST area, and groundwater was only encountered in what was deemed to be a small perched aquifer in Boring 5. Boring logs from the former Leaking Underground Storage (LUST) clean-up site located at 1180 Main Street[10] indicate that groundwater in the area is generally encountered between approximately 33 and 39 feet bgs, and only EB-1 exceeded this range at 44 feet bgs without encountering groundwater. Borings for EB-2 through EB-4 ended between 31 and 33 feet bgs. Additionally, borings 1 through 6 ended at depths between 15.5 and 31.5 feet bgs. Only one on-Site boring (EB-1) surpassed the expected depth of groundwater for the area.
- The rationale for which depths the soil samples were collected from is not discussed in the Phase II report, and the depth of the former USTs is not discussed in the EIS' Phase I or the Phase II report. Additionally, readings of volatile organic compounds in vapor from a photoionization detector or similar apparatus, which can aid it determining appropriate soil sample intervals, were not included on any boring logs or discussed in the report.

[8] Pacific Crest Engineering, Inc. *Limited Phase II Soil and Groundwater Investigation and Preliminary Geotechnical Investigation for 999, 1035, 1039, and 1075 Main Street, Watsonville, California.* October 12.

[9] Regional Water Quality Control Board, San Francisco Bay, 2016. *Environmental Screening Levels, Interim Final 2016.*.

[10] GeoTracker case no. T0608700262

- EIS' Phase I ESA notes that the former USTs were removed in 1984 without soil sampling to confirm that soil was not impacted in the vicinity of the USTs. Generally, these samples would be taken from the UST pit's sidewalls and directly below the UST pit. However, borings EB-1 through EB-4 were placed outside the east and west perimeter of the presumed former UST location, as indicated in their site plan. The distance from the true former UST pit and these borings is unknown.
- Based on recommendations of EIS Phase I,there were no samples of any kind collected proximate to 999 and 1017 Main Street which are both associated with former automotive service/repairs. The Phase II focused on two areas – the locations of the former USTs and the vacant portion of the Site South of 1017 Main but left the remainder of the Site uncharacterized.
- Soil vapor was not assessed.

Although the results of the Phase II ESA are not indicative of a release at the Site, the data gaps described above indicate that the Site has potentially has not been sufficiently characterized to rule out the potential for petroleum impacted soils to be present at the Site.

All User-provided materials are provided in Appendix G.

5. SITE RECONNAISSANCE

Roux representatives, Mr. Josh Fox and Mr. Richard Maxwell, conducted a reconnaissance of the Site and surrounding areas on September 20, 2018. The following sections summarize observations during the inspection. Pertinent Site features are reflected on Figure 2.

5.1 Methodology

Roux's site reconnaissance methods included a site visit to physically observe the Site in an effort to identify RECs in connection with the Site. Mr. Fox and Mr. Maxwell walked the boundaries and methodically followed Site structures and buildings at the 3.2-acre Site to observe conditions during the site reconnaissance. Photographs taken to document conditions encountered at the time of the site reconnaissance are included in Appendix H. Roux also observed adjoining properties from accessible locations on the Site and public thoroughfares.

The following sections summarize Roux' site reconnaissance observations.

5.1 Interior and Exterior Observations

Pavement Features and Former Structure Markings

Several patches indicative of former underground structures were observed in parking areas (Photographs 53, 54, 55, and 56, Appendix H) (Figure 2). Indications of former hydraulic lifts were observed in 975 Main Street (Photograph 6, Appendix H), and indications of a former pit were observed in 999b Main Street (Photograph 22, Appendix H). A marking of an unknown structure was observed in 1035 Main Street (Photograph 43, Appendix H). Additionally, evidence of environmental or geophysical borings were observed in parking areas and in the vacant lot (Photographs 13, 17, and 18, Appendix H). Pavements were heavily degraded across the Site during the September 20, 2018 site inspection.

Wells

Monitoring wells were not observed during the September 20, 2018 site inspection.

Aboveground Storage Tanks

Aboveground storage tanks were not observed during the September 20, 2018 site inspection.

Areas of Stressed Vegetation

Areas of stressed vegetation were not observed during the September 20, 2018 site inspection.

Disturbed Soil

Two areas of disturbed soil were observed in the vacant field in the southern portion of the Site (Photograph 11, Appendix H).

Areas which Receive Flood or Storm Water from Potentially Contaminated Areas

No areas which receive flood or stormwater from potentially contaminated areas were observed during the September 20, 2018 site inspection.

Chemical Storage Cabinets

Numerous common automotive maintenance chemical products (e.g. antifreeze & coolant, radiator stop leak) were observed in the auto repair shops at 999 and 1035 Main Street. Additionally, household cleaning chemicals were observed in each of the buildings (Photographs 7, 28, 31, and 36, Appendix H).

Compressor Vent Discharges

Compressor vents were not observed during the September 20, 2018 site inspection.

Discharge Areas

Obvious discharge areas were not observed during the September 20, 2018 site inspection.

Discolored or Spill Areas

Numerous small oil spills from parked vehicles were observed in paved and unpaved areas during the September 20, 2018 site inspection. Additionally, spills were observed in the auto supply store at 1035 Main Street, and grease was observed from a pipe onto an unpaved area behind 1075 Main Street (Photographs 14, 15, 16, 31, 39, and 57, Appendix H).

Drainage Swales and Culverts

Drainage swales and culverts were not observed during the September 20, 2018 site inspection.

Dry Wells and Sumps/Pits

Obvious dry wells and sumps/pits were not observed during the September 20, 2018 site inspection; however, a large circular concrete-lined open hole was observed in the north-eastern portion of the Site (Photograph 58, Appendix H).

Dumpsters

Three garbage areas with dumpsters for conventional waste such as food, plastics, and cardboard were observed during the September 20, 2018 site inspection (Photographs 9 and 51, Appendix H).

Electrical Transformers

An electrical transformer on secondary containment and no indication of a spill was observed to the north of the Site in a planter between Main Street and Longview Drive.

Floor Drain Collection System

Floor drains were observed in restrooms and kitchen areas with no obvious indications of discharge during the September 20, 2018 site inspection (Photographs 44, 46, and 47, Appendix H).

Former Agricultural Applied Pesticide Area

Review of the historical aerials identified the historical use of the Site as agricultural land from at least 1937 to some point before 1949.

Hazardous Material Storage or Handling, or Waste Areas

One unlabelled waste drum, likely used for waste oil, was observed at 999 Main Street. One waste oil drum in secondary containment and one used filter drum were observed at 1035 Main Street during the September 20, 2018 site inspection (Photographs 26, 36, and 38, Appendix H).

Hydraulic Lifts

Hydraulic Lifts were observed at 999 Main Street and 1035 Main Street during the September 22, 2018 site inspection. Additionally, former lift markings were observed at 975 Main Street (Photographs 6, 25, and 37, Appendix H).

Septic Systems Leach Fields or Seepage Pits

Septic systems were not observed during the September 20, 2018 site inspection. The property runs on a sewer line.

Storm Sewer and Spill Containment Collection System

Stormwater management features were not observed at the site during the September 20, 2018 site inspection.

Underground Storage Tanks and Associated Piping

Three pavement features potentially indicative of USTs and/or dispenser islands were observed during the September 20, 2018 site inspection (Figure 2) (Photographs 53, 54, 55, and 56, Appendix H).

Waste Piles

Miscellaneous waste was observed throughout Watsonville Slough to the south and east of the Site during the September 20, 2018 site inspection (Photograph 12, Appendix H).

Wastewater Treatment Systems and Associated Operations

Wastewater treatment systems were not observed during the September 20, 2018 site inspection.

6. FINDINGS

Roux has performed this Phase I ESA in general compliance with the scope and limitations of ASTM E1527-13. Roux separated the findings of this assessment into the following four categories: RECs, controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), and *de minimis* conditions.

6.1 Recognized Environmental Conditions

Roux Associates did not identify any RECs in connection with the Site.

Although not identified as a REC, the Site has historically been used as truck stops, truck/bus facilities, auto repair shops, and gasoline and diesel service stations, and is currently occupied by thee auto service shops. These operations would have actively stored and used petroleum products such as gasoline, diesel, and motor oil, as well as other chemicals during daily business activities for more than 60 years. Motor oil staining was observed during Site reconnaissance. Additionally, numerous historic facilities that would have used petroleum products existed directly across Main Street to the north of the Site, such as truck/bus facilities, auto repair shops, and gasoline service stations. Several of these facilities are known to have historically used gasoline and diesel USTs; although none have open environmental investigations or any known contamination issues.

6.2 Controlled Recognized Environmental Conditions

Roux did not identify evidence of CRECs in connection with the current or historical operations at the Site or nearby properties.

6.3 Historical Recognized Environmental Conditions

Roux did not identify any HRECs in connection with current or historical operation at the Site or nearby properties.

6.4 De Minimis Conditions

Roux identified the following evidence of *de minimis* conditions in connection with the current and historical operations at the Site or nearby properties:

- Motor oil buildup in paved and unpaved areas: Significant buildup of motor oil was observed across the Site's parking areas in paved but degraded asphalt as well as in unpaved areas. Oil buildup has the potential to run off into storm drains during rain events and can also infiltrate through degraded pavement and unpaved surfaces into subsurface soil and groundwater; and
- Unlabeled drum at 999c Main Street: An unlabeled drum, likely used for waste oil, was observed in 999c Main Street with oil on the lid and the side of the drum.

7. DATA GAPS

- The City of Watsonville has not responded to the public records request as of the submission of this report. This data gap is not considered to be a material limitation in the preparation of this Phase I ESA.

8. DEVIATIONS

Roux performed this assessment in accordance with the generally accepted practices for environmental assessments at the time of implementation, except for the limitations described in Section 1.5. Roux made a reasonable effort to ensure that the information presented in this report is materially complete and accurate.

9. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Roux completed a Phase I ESA in general compliance with the scope and limitations of ASTM E1527-13 of the Site, the approximately 3.2-acre property located at 975, 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, California. “We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312” and,

“We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

Roux performed this Phase I ESA by, or under the direct supervision of, the undersigned environmental professionals. Resumes are included in Appendix I**.**

Respectfully Submitted,

ROUX ASSOCIATES, INC.



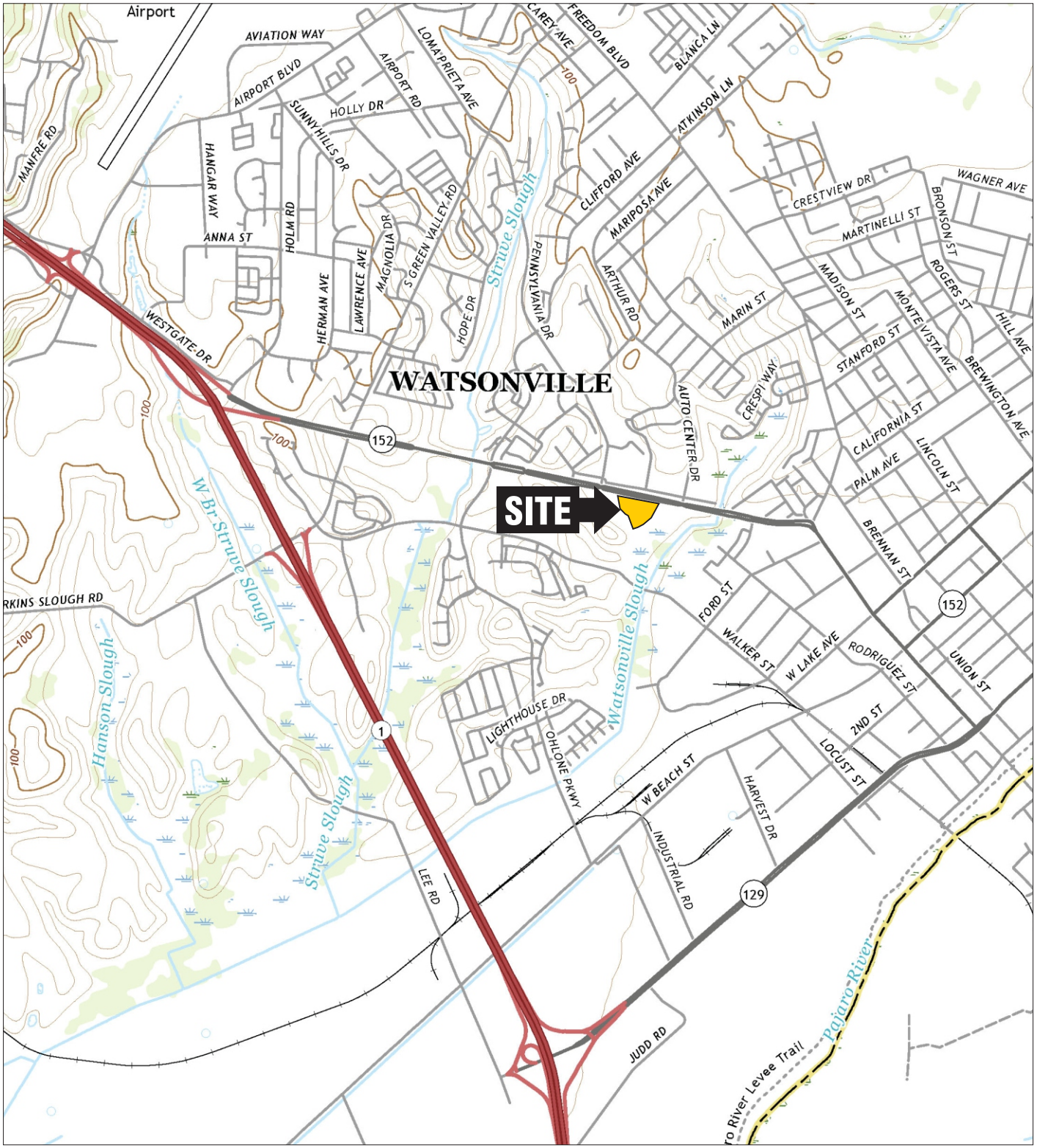
Josh Fox
Staff Geologist



Richard Maxwell
Principal Geologist, Environmental Professional

FIGURES

1. Site Location Map
2. Site Plan





QUADRANGLE LOCATION

SOURCE:
USGS; 2018, Warsobville West, CA
7.5 Minute Topographic Quadrangle

N

0 2000’

Title:

SITE LOCATION MAP

Prepared for:

Main Street Associates, C

ROUX

Compiled by: J.F.	Date: 10/1/18	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: R.M.	Project: 3181.0001S000	
File: 3181.0001S100.01.CDR		

\03181\S0001S\100\03181.0001S100.01.CDR



LEGEND

SITE AND PARCEL BOUNDARY

APN 018-261-029 PARCEL NUMBER

N

60’ 0 60’

Title:

SITE PLAN

Prepared for:

Main Street Associates, C

ROUX

Compiled by: J.F.	Date: 10/1/18	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: R.M.	Project: 3181.0001S000	
File: 3181.0001S100.01.CDR		

\03181S\0001S100\03181.0001S100.01.CDR

APPENDICES

A. U.S. Geological Survey Historical Topographic Maps
B. EDR Radius Map
C. Historical Aerial Photographs
D. Certified Sanborn Fire Insurance Maps
E. City Directory Abstract
F. Public Records
G. User Provided Information
H. Site Photographs
I. Personnel Qualifications

APPENDIX A

U.S. Geological Survey Historical Topographic Maps

Watsonville Phase I

999, 1017, 1035, 1039, and 1075 Main Street

Watsonville, CA 95076

Inquiry Number: 5424064.4

September 14, 2018

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

09/14/18

Site Name:

Watsonville Phase I
999, 1017, 1035, 1039, and 10
Watsonville, CA 95076
EDR Inquiry # 5424064.4

Client Name:

Roux Associates Inc
555 12th Street Suite 250
Oakland, CA 94607
Contact: Josh Fox

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Roux Associates Inc 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:

P.O.# NA

Project: Watsonville Phase I

Coordinates:

Latitude:	36.915474 36° 54' 56" North
Longitude:	-121.768324 -121° 46' 6" West
UTM Zone:	Zone 10 North
UTM X Meters:	609713.25
UTM Y Meters:	4086204.05
Elevation:	25.97' above sea level

Maps Provided:

2012	1912
1995	
1993, 1994	
1987	
1980	
1968	
1954, 1955	
1914, 1917	

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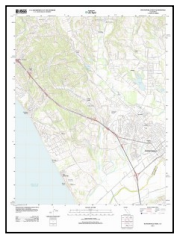
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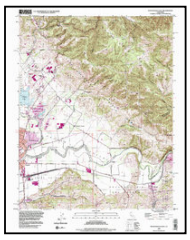


Watsonville East
2012
7.5-minute, 24000

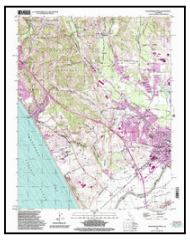


Watsonville West
2012
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1995 Source Sheets

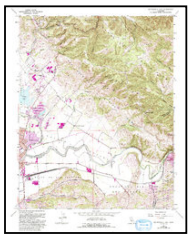


Watsonville East
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7.5-minute, 24000
Aerial Photo Revised 1987

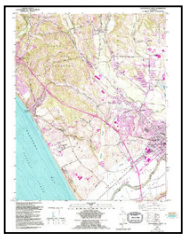


Watsonville West
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Aerial Photo Revised 1987

1993, 1994 Source Sheets

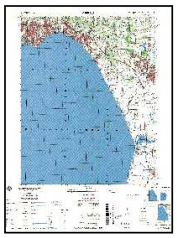


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7.5-minute, 24000
Aerial Photo Revised 1987

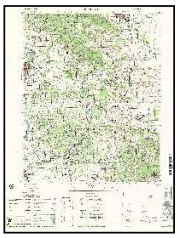


Watsonville West
1994
7.5-minute, 24000
Aerial Photo Revised 1987

1987 Source Sheets



CAPITOLA
1987
15-minute, 50000



PRUNEDALE
1987
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1980 Source Sheets



Watsonville West
1980
7.5-minute, 24000
Aerial Photo Revised 1978



Watsonville East
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1968 Source Sheets



Watsonville West
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Watsonville East
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1954, 1955 Source Sheets



Watsonville West
1954
7.5-minute, 24000
Aerial Photo Revised 1952



Watsonville East
1955
7.5-minute, 24000
Aerial Photo Revised 1952

1914, 1917 Source Sheets



Capitola
1914
15-minute, 62500



San Juan Bautista
1917
15-minute, 62500

Topo Sheet Key

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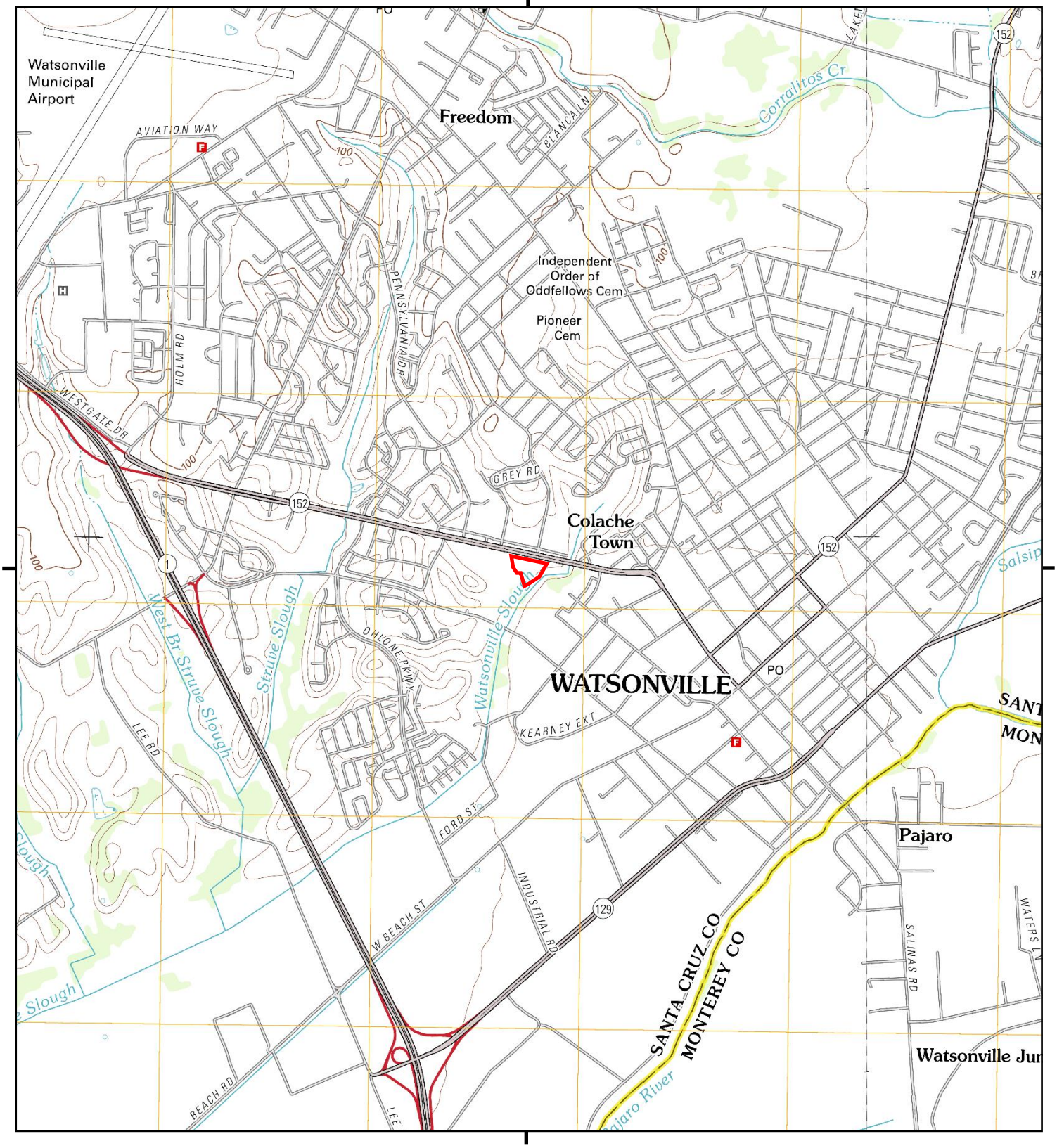
1912 Source Sheets



Capitola
1912
15-minute, 62500

Historical Topo Map

2012



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W E
SW S SE

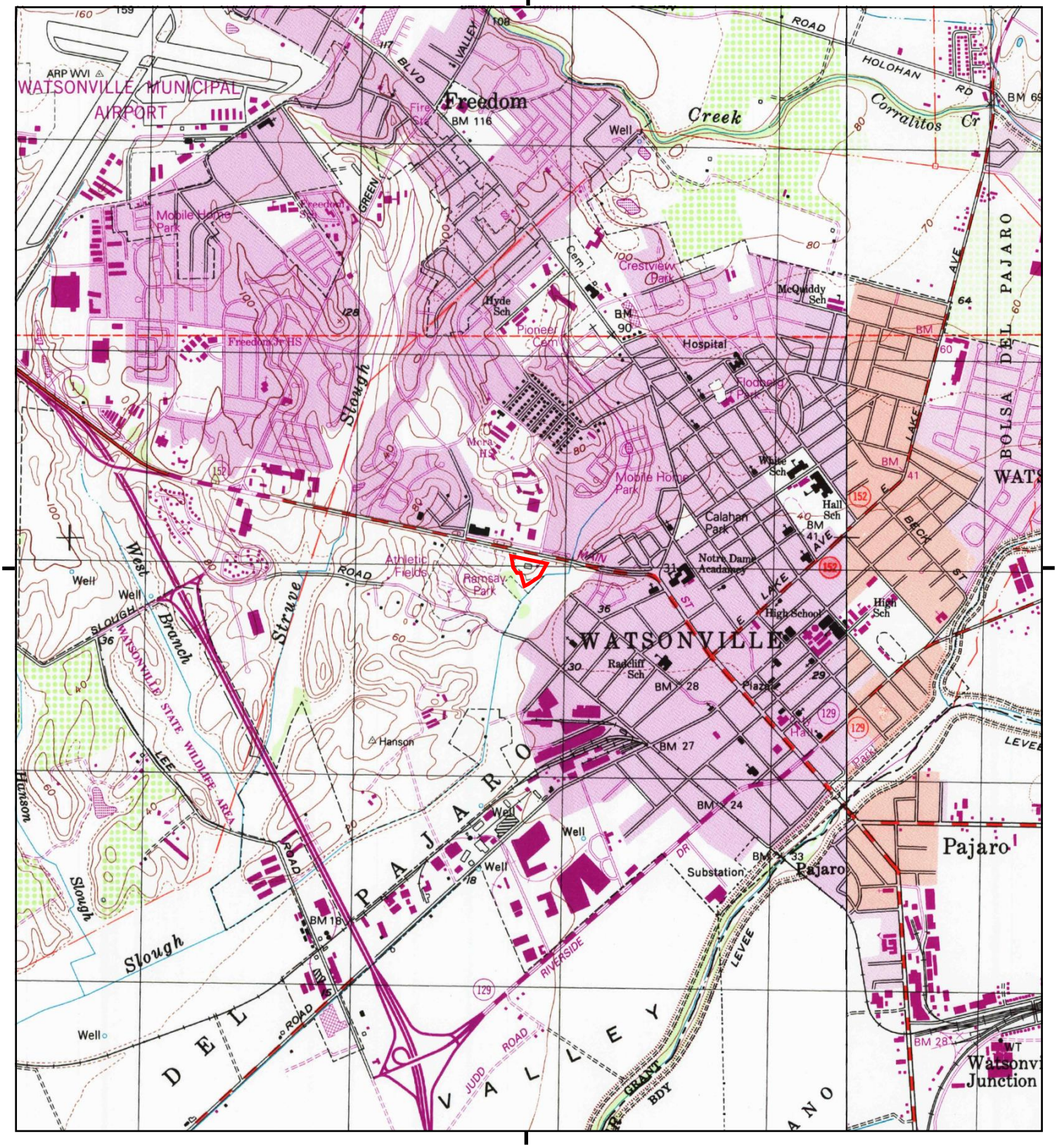
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E, Watsonville East, 2012, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N

Historical Topo Map

1995



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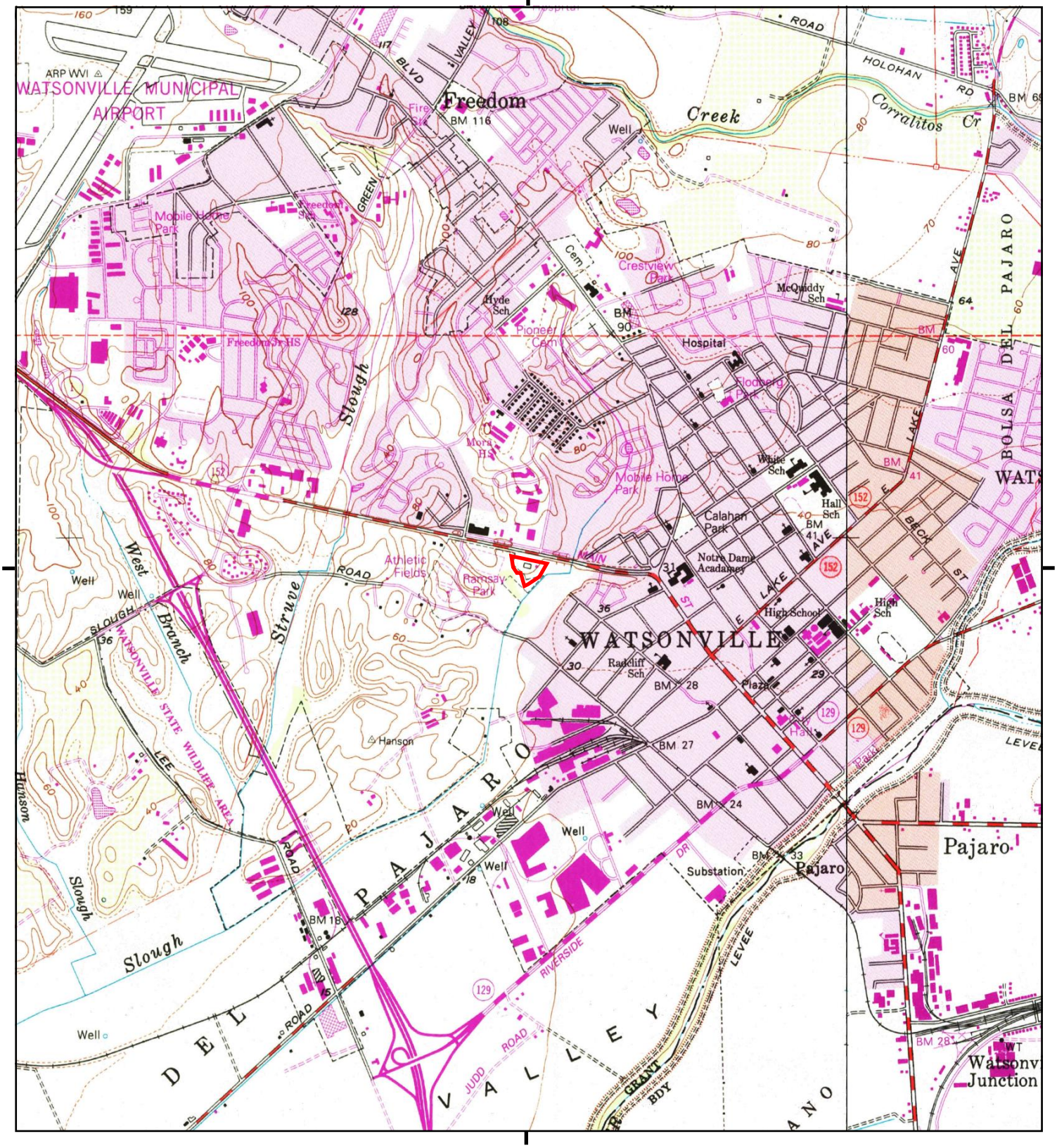
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NW N NE
W E
SW S SE

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E, Watsonville East, 1995, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



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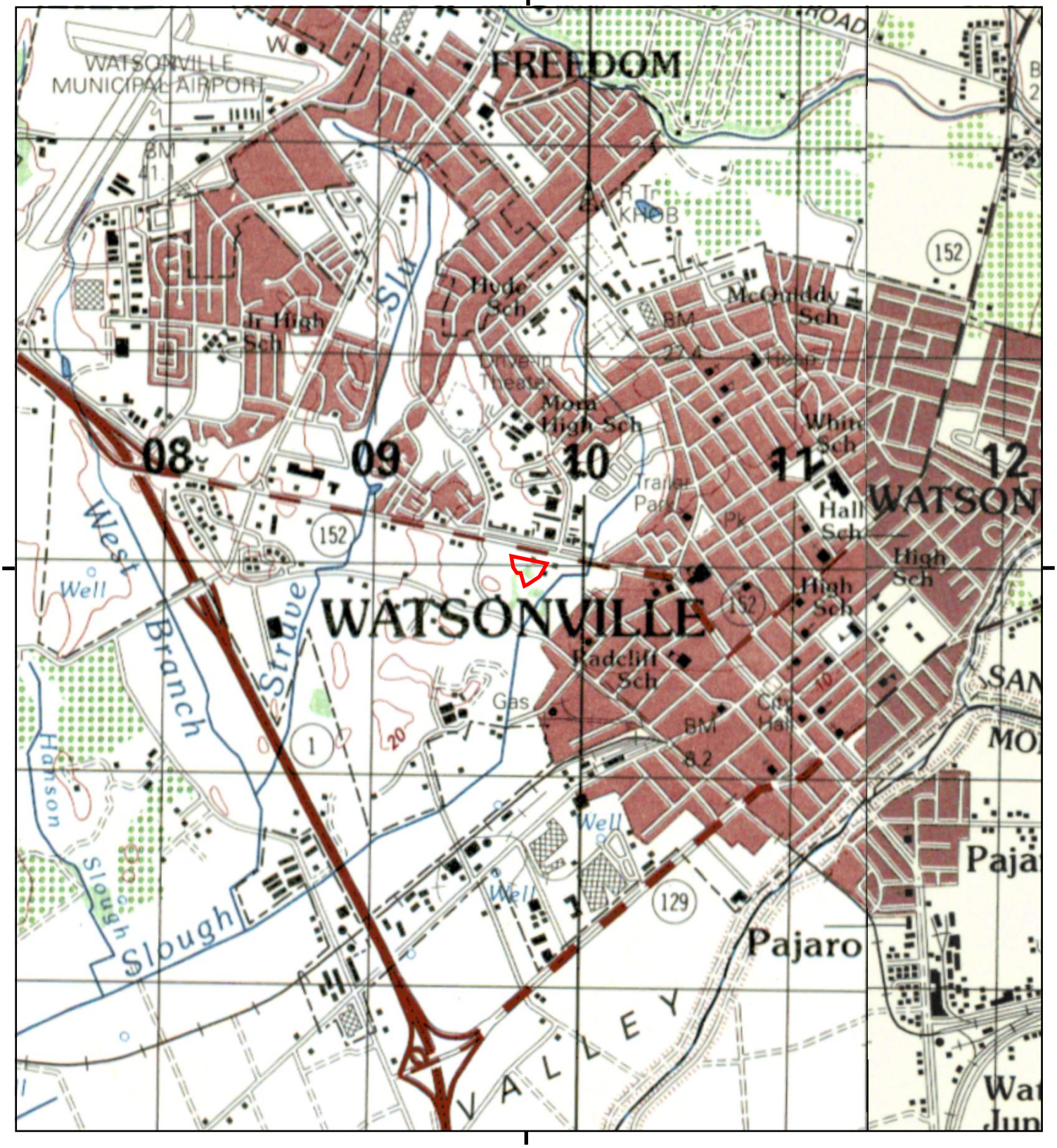
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watsonville West, 1994, 7.5-minute
E, Watsonville East, 1993, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



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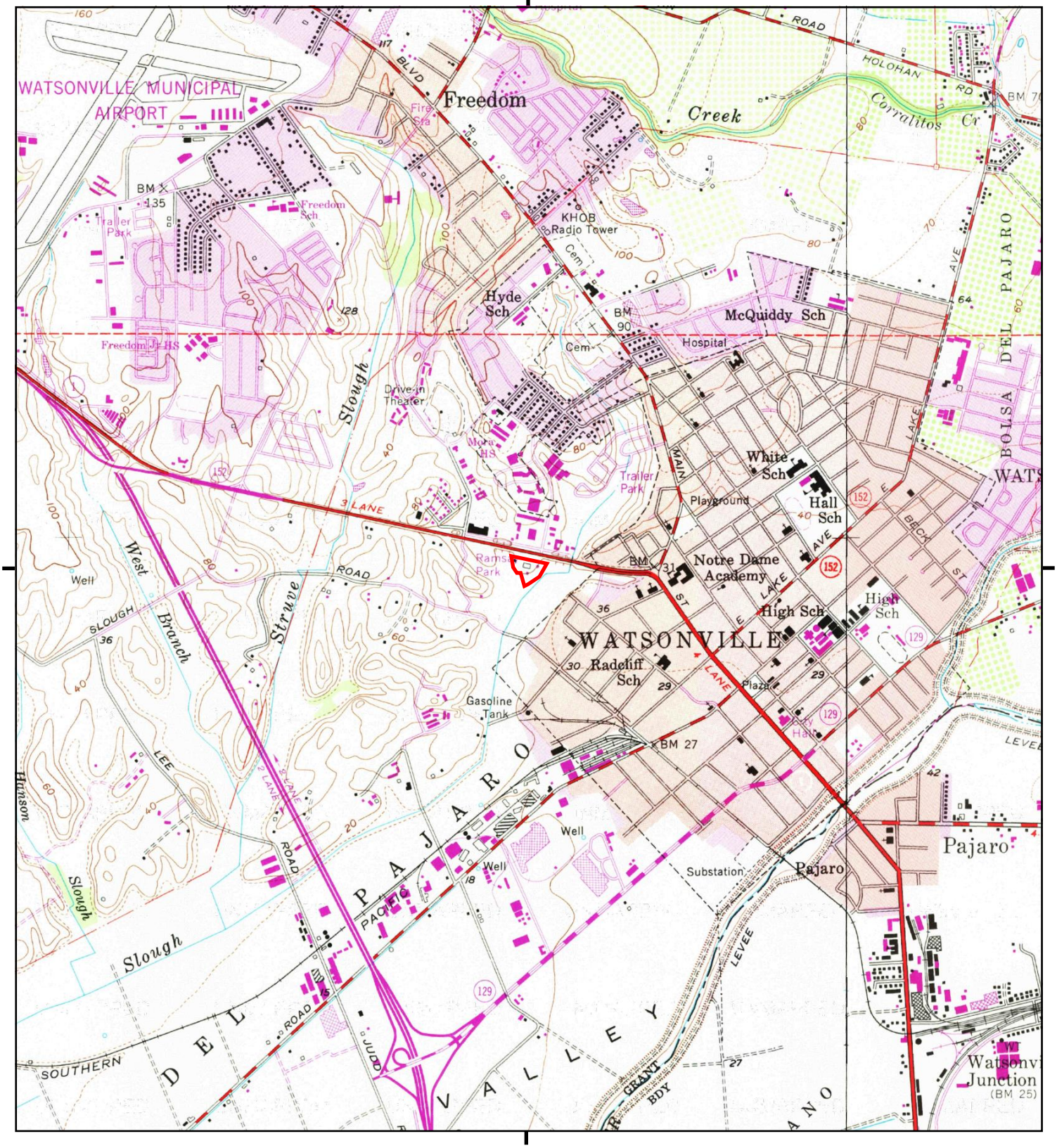
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NW N NE
W E
SW S SE

TP, CAPITOLA, 1987, 15-minute
E, PRUNEDALE, 1987, 15-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



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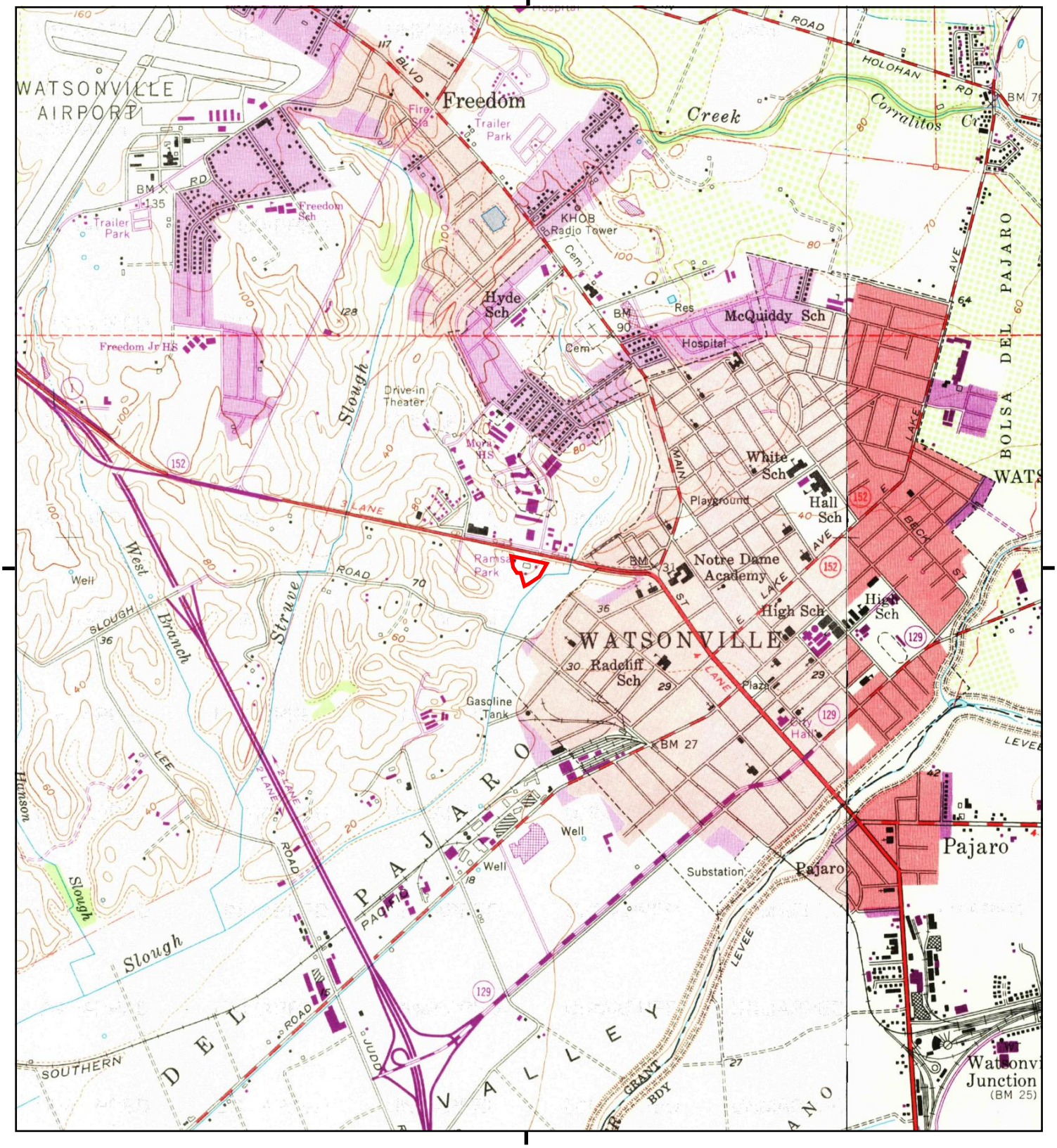
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NW N NE
W E
SW S SE

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E, Watsonville East, 1980, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



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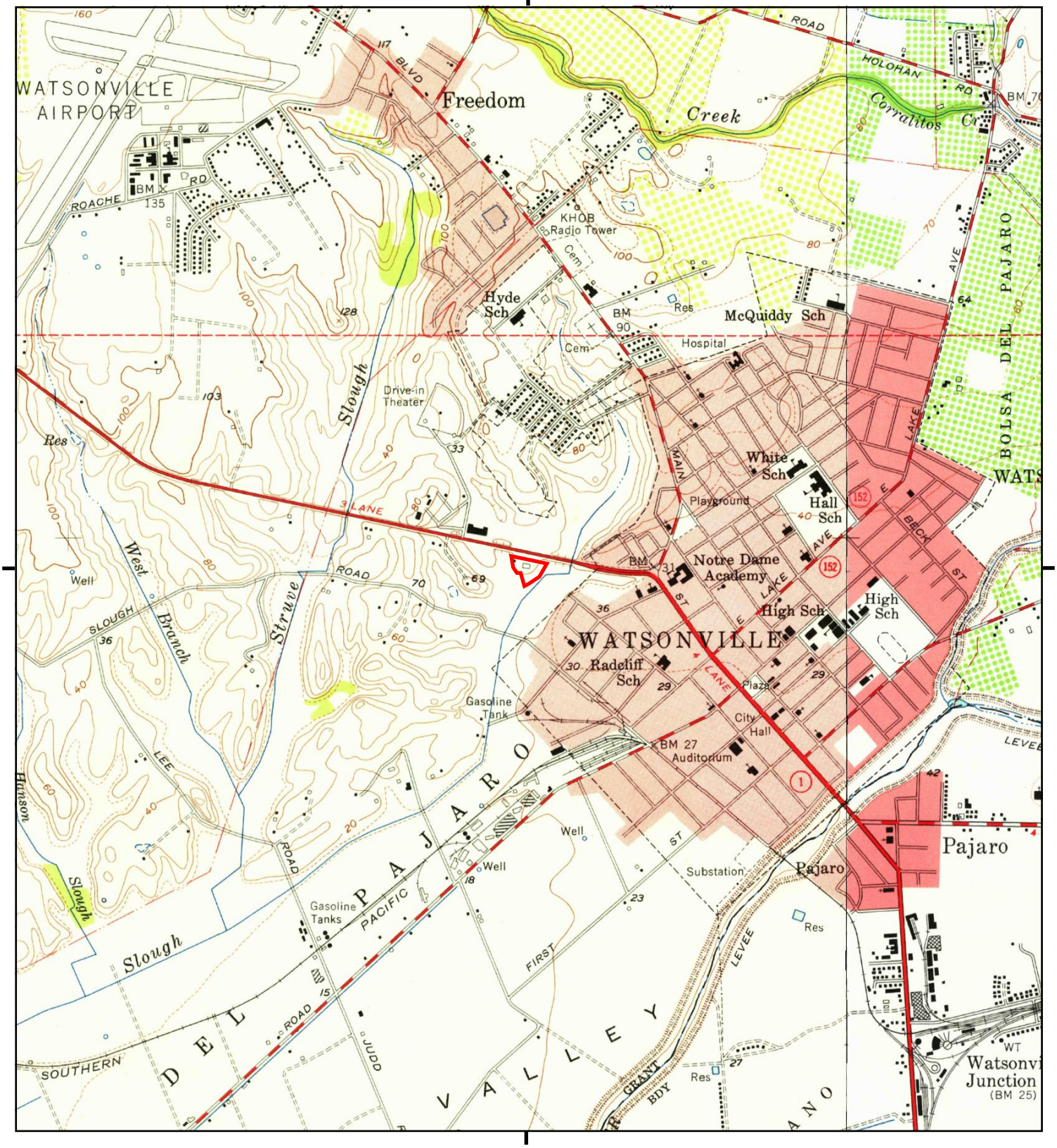
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SW S SE

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E, Watsonville East, 1968, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



This report includes information from the following map sheet(s).

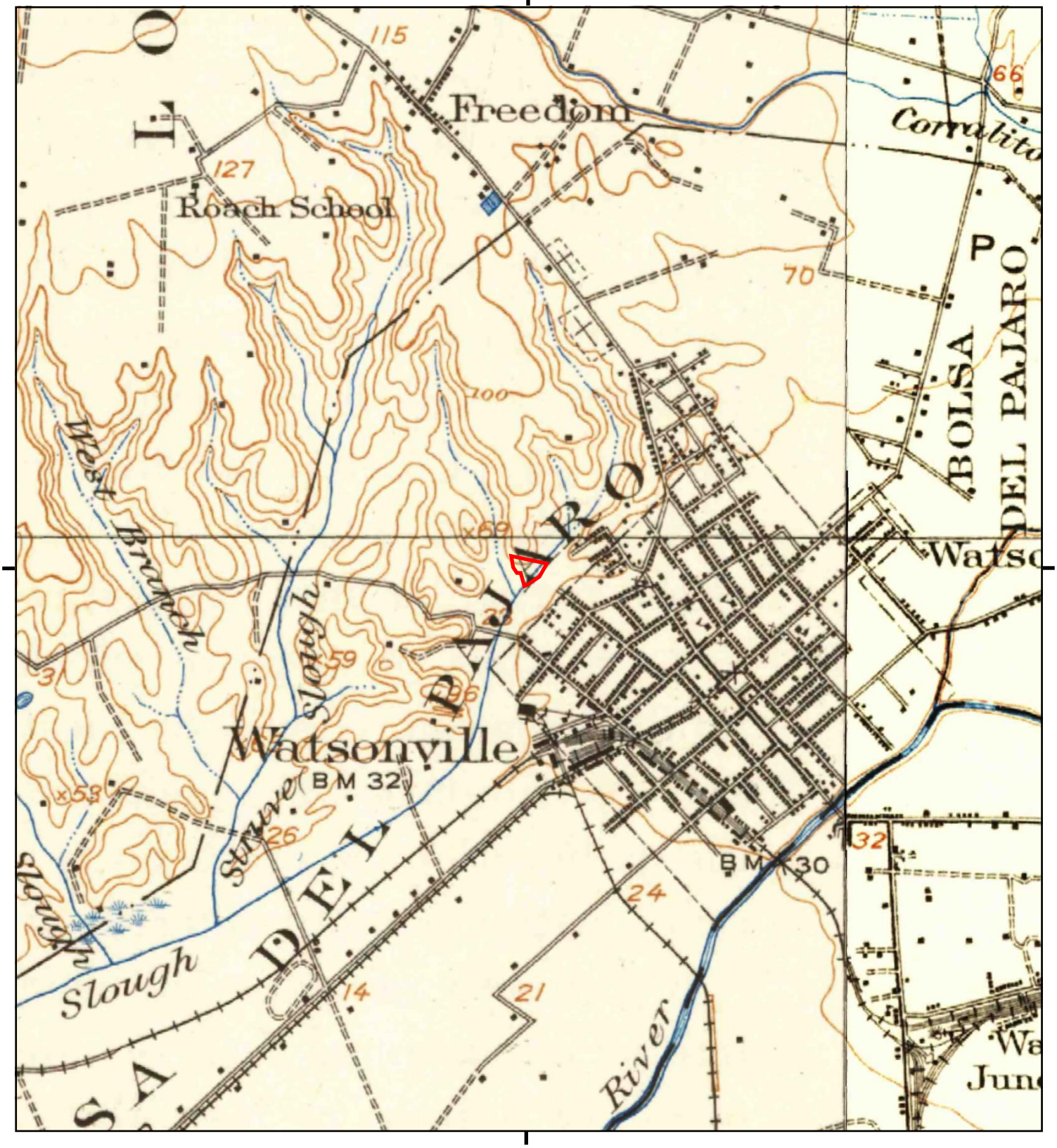
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SW S SE

TP, Watsonville West, 1954, 7.5-minute
E, Watsonville East, 1955, 7.5-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



This report includes information from the following map sheet(s).

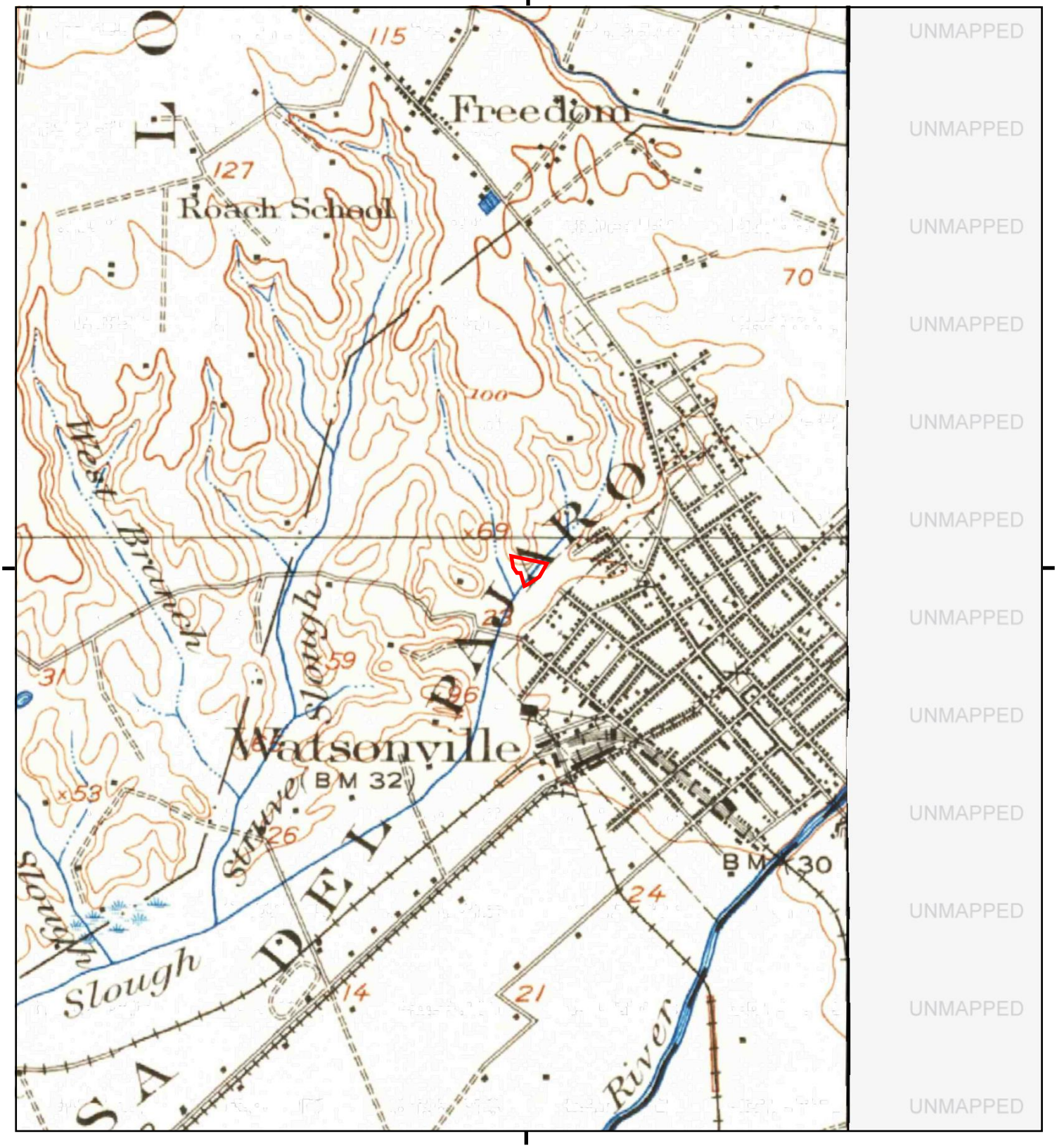
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Capitola, 1914, 15-minute
E, San Juan Bautista, 1917, 15-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N



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, Capitola, 1912, 15-minute

SITE NAME: Watsonville Phase I
ADDRESS: 999, 1017, 1035, 1039, and 1075 Main St
Watsonville, CA 95076
CLIENT: Roux Associates Inc

N

APPENDIX B

EDR Radius Map

Watsonville Phase I
999, 1017, 1035, 1039, and 1075 Main Street
Watsonville, CA 95076

Inquiry Number: 5424064.2s
September 14, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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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 (E 1527-13), 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

999, 1017, 1035, 1039, AND 1075 MAIN STREET
WATSONVILLE, CA 95076

COORDINATES

Latitude (North):	36.9154740 - 36° 54' 55.70''
Longitude (West):	121.7683240 - 121° 46' 5.96''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	609715.9
UTM Y (Meters):	4086001.0
Elevation:	27 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5620290 WATSONVILLE WEST, CA
Version Date:	2012
East Map:	5603778 WATSONVILLE EAST, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140613
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
999, 1017, 1035, 1039, AND 1075 MAIN STREET
WATSONVILLE, CA 95076

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	STREET SCENE ON/OFF	1035 MAIN ST	EDR Hist Auto		TP
2	CHAZ MOBIL AUTO SERV	975 MAIN ST	EDR Hist Auto	Lower	1 ft.
A3	DOLLAR TREE #05233	1010 MAIN ST	CUPA Listings, CERS HAZ WASTE, CERS	Higher	168, 0.032, North
B4	J V TOWING	1110 MAIN ST	EDR Hist Auto	Lower	176, 0.033, NW
B5	PURITAN OIL CO	1114 MAIN ST	EDR Hist Auto	Lower	191, 0.036, NW
B6	COASTAL ENTERPRISES	1138 MAIN ST	HIST UST	Lower	208, 0.039, NW
C7	ULTRAMAR INC	1180 MAIN ST	EDR Hist Auto	Lower	469, 0.089, NW
C8	FAST GAS	1180 MAIN ST	HIST UST	Lower	469, 0.089, NW
C9	BEACON STATION #5-73	1180 MAIN ST	UST	Higher	481, 0.091, NW
C10	BEACON STATION 737	1180 MAIN ST	SWEEPS UST, CA FID UST	Higher	481, 0.091, NW
C11	ULTRAMAR BEACON #737	1180 MAIN ST	LUST, HIST UST, CUPA Listings, HAZNET, HIST...	Higher	481, 0.091, NW
D12	TRACTOR SUPPLY COMPA	580 AUTO CENTER DR	CUPA Listings, HAZNET	Higher	787, 0.149, NNE
D13	TRACTOR SUPPLY COMPA	580 AUTO CENTER DR	CERS HAZ WASTE, CERS	Higher	787, 0.149, NNE
E14	NEW WEST FOODS	841 WALKER ST	LUST, HIST CORTESE, CIWQS, CERS	Lower	994, 0.188, South
D15	MARTY FRANICH LINC M	555 ARTHUR RD	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	1024, 0.194, NNE
E16	MOYER PRODUCTS INC	834 WALKER	RCRA-SQG, LUST, HIST UST, FINDS, ECHO, HIST...	Higher	1081, 0.205, SSE
F17	MARTY FRANICH FORD/L	550 AUTO CENTER	AST	Higher	1130, 0.214, NNE
F18	MARTY FRANICH FORD	550 ARTHUR RD	RCRA-SQG, AST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	1159, 0.220, NNE
E19	CALPINE MONTEREY COG	831 WALKER	AST	Higher	1179, 0.223, South
20	GEORGE BASSI DISTRIB	240 FORD STREET	HIST UST	Higher	1183, 0.224, SSE
F21	MARTY FRANICH CHRYSL	555 AUTO CENTER DR	LUST, CUPA Listings, HAZNET, CERS, CERS HAZ WASTE	Higher	1211, 0.229, NNE
G22	OIL CAN HENRYS	1409 MAIN	AST	Higher	1230, 0.233, West
G23	OIL CAN HENRYS	1409 MAIN ST	AST, CUPA Listings, CERS TANKS, CERS, CERS HAZ...	Higher	1230, 0.233, West
H24	SAMBRAILO PAPER CO	800 WALKER ST	HIST UST	Higher	1233, 0.234, SSE
I25	PORTOLA MOTORS	500 AUTO CENTER DR.	LUST, CERS	Higher	1259, 0.238, North
I26	PORTOLA MOTORS	500 ARTHUR RD	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	1259, 0.238, North
I27	AUTO CENTER COLLISIO	500 AUTO CENTER DR S	HAZNET, CERS HAZ WASTE, CERS	Higher	1259, 0.238, North
H28	PACIFIC GUANO COMPAN	801 WALKER STREET	ENVIROSTOR	Higher	1367, 0.259, SSE
29	CENTURY CHEVROLET	490 ARTHUR ROAD	RCRA-SQG, LUST, AST, SWEEPS UST, HIST UST, CA FID...	Higher	1603, 0.304, North
30	H & H BOTTLING	352 FORD ST	LUST, HIST CORTESE, CERS	Lower	1759, 0.333, South
J31	BERMAN STEEL	627 WALKER ST	RESPONSE, ENVIROSTOR, HIST UST, CUPA Listings,...	Higher	1813, 0.343, SSE
J32	BERMAN STEEL	627 WALKER ST	SEMS-ARCHIVE, HIST Cal-Sites, HIST UST	Higher	1813, 0.343, SSE
K33	PAJARO VALLEY BANK	655 MAIN ST	LUST, CERS	Higher	1902, 0.360, ESE
K34	AAMCO	640 MAIN ST	LUST, HIST UST, HIST CORTESE, CERS	Higher	2011, 0.381, ESE
L35	SHELL OIL COMPANY #2	401 FORD STREET	ENVIROSTOR, LUST, CPS-SLIC, CERS	Lower	2017, 0.382, South
K36	WATSONVILLE COLD STO	625 MAIN STREET	ENVIROSTOR, HAZNET, NPDES, CIWQS	Higher	2107, 0.399, ESE
L37	FARMERS PROCESSING I	274 KEARNEY EXT	LUST, HIST UST, HIST CORTESE, NPDES, CIWQS	Lower	2179, 0.413, South
L38	FARMERS COLD STORAGE	274 KEARNEY STREET E	CPS-SLIC, CERS	Lower	2179, 0.413, South
L39	FARMERS COLD STORAGE	274 KEARNEY ST	LUST, CERS	Lower	2179, 0.413, South

MAPPED SITES SUMMARY

Target Property Address:
999, 1017, 1035, 1039, AND 1075 MAIN STREET
WATSONVILLE, CA 95076

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M40	PG AND E WATSONVILLE	618 MAIN ST	EDR MGP	Higher	2241, 0.424, ESE
M41	PG&E, WATSONVILLE SI	618 MAIN STREET	Notify 65	Higher	2241, 0.424, ESE
M42	PG&E, WATSONVILLE #1	618 MAIN STREET	ENVIROSTOR, CPS-SLIC, VCP, DEED, CERS	Higher	2241, 0.424, ESE
43	RADCLIFF ELEMENTARY	558 RODRIGUEZ STREET	ENVIROSTOR, SCH	Higher	2241, 0.424, SE
44	7-ELEVEN STORE #3232	1461 MAIN ST	LUST, UST, CERS	Higher	2269, 0.430, WNW
M45	7-ELEVEN STORE #1878	17710 SATICOY ST	LUST, SWEEPS UST, HIST UST, CA FID UST, HIST...	Higher	2421, 0.459, ESE
M46	DESERT PETROLEUM #78	570 MAIN ST	LUST, HIST UST	Higher	2421, 0.459, ESE
M47	25 EAST 5TH STREET	25 EAST 5TH STREET	ENVIROSTOR	Higher	2435, 0.461, ESE
M48	E. 5TH STREET WAREHO	25 E. 5TH STREET	CPS-SLIC, CERS	Higher	2435, 0.461, ESE
49	N/A	275 KEARNEY ST	LUST, CUPA Listings, HIST CORTESE, CERS, CERS HAZ...	Lower	2505, 0.474, South
50	LANDMARK ELEMENTARY	167 HARKINS SLOUGH R	ENVIROSTOR, SCH	Higher	2537, 0.480, West
51	CLUSTER'S AUTOMOTIVE	600 ERRINGTON ROAD	ENVIROSTOR	Higher	2586, 0.490, SW
52	MF FARMING COMPANY	1773 SANTA VICTORIA	CPS-SLIC, HAZNET, NPDES, CERS	Higher	2636, 0.499, SSW
53	PAUL'S TRUCKING CO	144 LAKE AVE W	LUST, SWEEPS UST, CA FID UST, WDS	Higher	2637, 0.499, SE
54	RADCLIFF ELEMENTARY	RODRIGUEZ STREET/WES	ENVIROSTOR, SCH	Higher	2661, 0.504, SE
55	CALIFORNIA SPRAY & C	198 WEST LAKE AVENUE	ENVIROSTOR	Higher	2689, 0.509, SE
56	DON HEIM & SON DRY C	1350 FREEDOM BLVD	Cortese, Notify 65	Higher	3592, 0.680, NNE
57	SOUTHWEST TRUCK SERV	50 PINE STREET	ENVIROSTOR, HIST UST	Higher	3895, 0.738, SSE
58	EVEREADY CROP SERVIC	16 PECK	ENVIROSTOR	Higher	3935, 0.745, ESE
59	TRAVERS COLD STORAGE	890 BEACH STREET, WE	ENVIROSTOR	Lower	4031, 0.763, South
60	CALIFORNIA SPRAY & C	135 WALKER STREET	ENVIROSTOR, VCP, DEED	Higher	4088, 0.774, SE
61	SPECTRA-MAT	1234 STATE HIGHWAY 1	ENVIROSTOR	Higher	4452, 0.843, WSW
N62	A AND S METALS	1080 W BEACH STREET	ENVIROSTOR, SWRCY, CUPA Listings, NPDES, CERS,...	Lower	4540, 0.860, SSW
N63	WEST COAST CIRCUITS	1080 WEST BEACH STRE	ENVIROSTOR, CHMIRS, CERS	Lower	4540, 0.860, SSW
N64	WESTCOAST CIRCUITS	1080 WEST BEACH ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG	Lower	4540, 0.860, SSW
N65	WEST COAST CIRCUITS	1080 WEST BEACH STRE	HWP	Lower	4540, 0.860, SSW
66	GAS STATION	222 MAIN STREET	Notify 65	Higher	4557, 0.863, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
STREET SCENE ON/OFF 1035 MAIN ST WATSONVILLE, CA 95076	EDR Hist Auto	N/A

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

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields 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

WMUDS/SWAT ---------- Waste Management Unit Database
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

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

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
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
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
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
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
CERS CERS
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
CIWQS California Integrated Water Quality System
UIC GEO UIC GEO (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner EDR Exclusive Historical Cleaners

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

Federal CERCLIS NFRAP site list

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 07/17/2018 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
BERMAN STEEL Site ID: 0901295 EPA Id: CAD029625787	***627 WALKER ST***	***SSE 1/4 - 1/2 (0.343 mi.)***	***J32***	***203***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTCOAST CIRCUITS EPA ID:: CAD081448961	***1080 WEST BEACH ST***	***SSW 1/2 - 1 (0.860 mi.)***	***N64***	***350***

Federal RCRA generators list

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 03/01/2018 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARTY FRANICH LINC M EPA ID:: CAD982020612	***555 ARTHUR RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***D15***	***82***
MOYER PRODUCTS INC EPA ID:: CAD990802860	***834 WALKER***	***SSE 1/8 - 1/4 (0.205 mi.)***	***E16***	***99***
MARTY FRANICH FORD	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***

EPA ID:: CAD089960116

PORTOLA MOTORS	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***

EPA ID:: CAD981445992

State- and tribal - equivalent NPL

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 is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERMAN STEEL	***627 WALKER ST***	***SSE 1/4 - 1/2 (0.343 mi.)***	***J31***	***200***

Database: RESPONSE, Date of Government Version: 07/30/2018
Status: Certified
Facility Id: 44290003

State- and tribal - equivalent CERCLIS

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 07/30/2018 has revealed that there are 18 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC GUANO COMPAN	801 WALKER STREET	SSE 1/4 - 1/2 (0.259 mi.)	H28	178
Facility Id: 44280018				
Status: Refer: RWQCB				
BERMAN STEEL	***627 WALKER ST***	***SSE 1/4 - 1/2 (0.343 mi.)***	***J31***	***200***
Facility Id: 44290003				
Status: Certified				
WATSONVILLE COLD STO	***625 MAIN STREET***	***ESE 1/4 - 1/2 (0.399 mi.)***	***K36***	***214***
Facility Id: 44420008				
Status: Refer: Other Agency				
PG&E, WATSONVILLE #1	***618 MAIN STREET***	***ESE 1/4 - 1/2 (0.424 mi.)***	***M42***	***232***
Facility Id: 44490007				
Status: Certified / Operation & Maintenance				
RADCLIFF ELEMENTARY	***558 RODRIGUEZ STREET***	***SE 1/4 - 1/2 (0.424 mi.)***	***43***	***261***

Facility Id: 44000002 Status: No Further Action				
25 EAST 5TH STREET Facility Id: 60001609 Status: Refer: Local Agency	25 EAST 5TH STREET	ESE 1/4 - 1/2 (0.461 mi.)	M47	277
LANDMARK ELEMENTARY Facility Id: 44000001 Status: No Further Action	***167 HARKINS SLOUGH R***	***W 1/4 - 1/2 (0.480 mi.)***	***50***	***288***
CLUSTER'S AUTOMOTIVE Facility Id: 44500001 Status: Refer: Other Agency	600 ERRINGTON ROAD	SW 1/4 - 1/2 (0.490 mi.)	51	291
RADCLIFF ELEMENTARY Facility Id: 44880002 Status: Certified	***RODRIGUEZ STREET/WES***	***SE 1/2 - 1 (0.504 mi.)***	***54***	***298***
CALIFORNIA SPRAY & C Facility Id: 44280009 Status: Refer: RWQCB	198 WEST LAKE AVENUE	SE 1/2 - 1 (0.509 mi.)	55	303
SOUTHWEST TRUCK SERV Facility Id: 44420003 Status: Refer: Other Agency	***50 PINE STREET***	***SSE 1/2 - 1 (0.738 mi.)***	***57***	***305***
EVEREADY CROP SERVIC Facility Id: 44070016 Status: Refer: RWQCB	16 PECK	ESE 1/2 - 1 (0.745 mi.)	58	307
CALIFORNIA SPRAY & C Facility Id: 44280006 Status: Certified / Operation & Maintenance	***135 WALKER STREET***	***SE 1/2 - 1 (0.774 mi.)***	***60***	***309***
SPECTRA-MAT Facility Id: 44360018 Status: Refer: RWQCB	1234 STATE HIGHWAY 1	WSW 1/2 - 1 (0.843 mi.)	61	327

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SHELL OIL COMPANY #2 Facility Id: 44510008 Status: Refer: RWQCB	***401 FORD STREET***	***S 1/4 - 1/2 (0.382 mi.)***	***L35***	***212***
TRAVERS COLD STORAGE Facility Id: 44200002 Status: Refer: Other Agency	890 BEACH STREET, WE	S 1/2 - 1 (0.763 mi.)	59	308
A AND S METALS Facility Id: 71002601 Status: No Further Action	***1080 W BEACH STREET***	***SSW 1/2 - 1 (0.860 mi.)***	***N62***	***328***
WEST COAST CIRCUITS Facility Id: 80001692 Status: No Further Action	***1080 WEST BEACH STRE***	***SSW 1/2 - 1 (0.860 mi.)***	***N63***	***346***

State and tribal leaking storage tank lists

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 19 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ULTRAMAR BEACON #737	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C11***	***20***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Remedial action (cleanup) Underway Global Id: T0608700262 Global ID: T0608700262				
MARTY FRANICH LINC M	***555 ARTHUR RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***D15***	***82***
Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Global Id: T0608700172				
MOYER PRODUCTS INC	***834 WALKER***	***SSE 1/8 - 1/4 (0.205 mi.)***	***E16***	***99***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Case Closed Global Id: T0608700216 Global ID: T0608700216				
MARTY FRANICH CHRYSL	***555 AUTO CENTER DR***	***NNE 1/8 - 1/4 (0.229 mi.)***	***F21***	***123***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Pollution Characterization Global ID: T0608700172				
PORTOLA MOTORS	***500 AUTO CENTER DR.***	***N 1/8 - 1/4 (0.238 mi.)***	***I25***	***159***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Preliminary site assessment underway Global ID: T0608700082				
PORTOLA MOTORS	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***
Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Global Id: T0608700082				
CENTURY CHEVROLET	***490 ARTHUR ROAD***	***N 1/4 - 1/2 (0.304 mi.)***	***29***	***179***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Pollution Characterization Global Id: T060870819 Global ID: T060870819				
PAJARO VALLEY BANK	***655 MAIN ST***	***ESE 1/4 - 1/2 (0.360 mi.)***	***K33***	***207***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Case Closed				

Global Id: T0608700109
Global ID: T0608700109

AAMCO ***640 MAIN ST*** ***ESE 1/4 - 1/2 (0.381 mi.)*** ***K34*** ***209***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700209
Global ID: T0608700209

7-ELEVEN STORE #3232 ***1461 MAIN ST*** ***WNW 1/4 - 1/2 (0.430 mi.)*** ***44*** ***264***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0608729791

7-ELEVEN STORE #1878 ***17710 SATICOY ST*** ***ESE 1/4 - 1/2 (0.459 mi.)*** ***M45*** ***268***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Post remedial action monitoring
Facility Id: 913350952
Status: Preliminary site assessment underway
Global ID: T0608700057
Global ID: T0603702246

DESERT PETROLEUM #78 ***570 MAIN ST*** ***ESE 1/4 - 1/2 (0.459 mi.)*** ***M46*** ***273***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0608700057

PAUL'S TRUCKING CO ***144 LAKE AVE W*** ***SE 1/4 - 1/2 (0.499 mi.)*** ***53*** ***295***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700083
Global ID: T0608700083

Lower Elevation	Address	Direction / Distance	Map ID	Page

NEW WEST FOODS ***841 WALKER ST*** ***S 1/8 - 1/4 (0.188 mi.)*** ***E14*** ***79***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700203
Global ID: T0608700203

H & H BOTTLING ***352 FORD ST*** ***S 1/4 - 1/2 (0.333 mi.)*** ***30*** ***197***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0608700236
Global ID: T0608700236

SHELL OIL COMPANY #2 ***401 FORD STREET*** ***S 1/4 - 1/2 (0.382 mi.)*** ***L35*** ***212***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed

Global Id: SL0608789109

FARMERS PROCESSING I ***274 KEARNEY EXT*** ***S 1/4 - 1/2 (0.413 mi.)*** ***L37*** ***223***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0608700215

FARMERS COLD STORAGE ***274 KEARNEY ST*** ***S 1/4 - 1/2 (0.413 mi.)*** ***L39*** ***230***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Case Closed
Global ID: T0608700215

N/A ***275 KEARNEY ST*** ***S 1/4 - 1/2 (0.474 mi.)*** ***49*** ***279***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0608700280
Global ID: T0608700280

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 5 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E, WATSONVILLE #1	***618 MAIN STREET***	***ESE 1/4 - 1/2 (0.424 mi.)***	***M42***	***232***
Database: SLIC REG 3, Date of Government Version: 05/18/2006 Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Open - Verification Monitoring Facility Status: Post Remediation Action Monitoring Global Id: SLT3S1091318				
E. 5TH STREET WAREHO	***25 E. 5TH STREET***	***ESE 1/4 - 1/2 (0.461 mi.)***	***M48***	***278***
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Open - Site Assessment Global Id: T10000008129				
MF FARMING COMPANY	***1773 SANTA VICTORIA***	***SSW 1/4 - 1/2 (0.499 mi.)***	***52***	***292***
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: T10000004135				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL OIL COMPANY #2	***401 FORD STREET***	***S 1/4 - 1/2 (0.382 mi.)***	***L35***	***212***
Database: SLIC REG 3, Date of Government Version: 05/18/2006 Facility Status: Leak Being Confirmed				
FARMERS COLD STORAGE	***274 KEARNEY STREET E***	***S 1/4 - 1/2 (0.413 mi.)***	***L38***	***229***
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: T10000007750				

State and tribal registered storage tank lists

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 is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEACON STATION #5-73 Database: UST, Date of Government Version: 06/11/2018 Facility Id: FA0003211	1180 MAIN ST	NW 0 - 1/8 (0.091 mi.)	C9	18

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 5 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARTY FRANICH FORD/L Database: AST, Date of Government Version: 07/06/2016	550 AUTO CENTER	NNE 1/8 - 1/4 (0.214 mi.)	F17	104
MARTY FRANICH FORD Database: AST, Date of Government Version: 07/06/2016	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
CALPINE MONTEREY COG Database: AST, Date of Government Version: 07/06/2016	831 WALKER	S 1/8 - 1/4 (0.223 mi.)	E19	121
OIL CAN HENRYS Database: AST, Date of Government Version: 07/06/2016	1409 MAIN	W 1/8 - 1/4 (0.233 mi.)	G22	132
OIL CAN HENRYS Database: AST, Date of Government Version: 07/06/2016	***1409 MAIN ST***	***W 1/8 - 1/4 (0.233 mi.)***	***G23***	***133***

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 07/30/2018 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, WATSONVILLE #1 Status: Certified / Operation & Maintenance Facility Id: 44490007	***618 MAIN STREET***	***ESE 1/4 - 1/2 (0.424 mi.)***	***M42***	***232***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

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 is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERMAN STEEL	***627 WALKER ST***	***SSE 1/4 - 1/2 (0.343 mi.)***	***J32***	***203***

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 07/23/2018 has revealed that there are 8 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR TREE #05233	***1010 MAIN ST***	***N 0 - 1/8 (0.032 mi.)***	***A3***	***8***
ULTRAMAR BEACON #737	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C11***	***20***
TRACTOR SUPPLY COMPA	***580 AUTO CENTER DR***	***NNE 1/8 - 1/4 (0.149 mi.)***	***D13***	***72***
MARTY FRANICH FORD	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
MARTY FRANICH CHRYSL	***555 AUTO CENTER DR***	***NNE 1/8 - 1/4 (0.229 mi.)***	***F21***	***123***
OIL CAN HENRYS	***1409 MAIN ST***	***W 1/8 - 1/4 (0.233 mi.)***	***G23***	***133***
PORTOLA MOTORS	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***
AUTO CENTER COLLISIO	***500 AUTO CENTER DR S***	***N 1/8 - 1/4 (0.238 mi.)***	***I27***	***173***

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 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEACON STATION 737 Status: A Tank Status: A Comp Number: 11120	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C10***	***18***
MARTY FRANICH LINC M Status: A Tank Status: A	***555 ARTHUR RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***D15***	***82***

Comp Number: 67692

MARTY FRANICH FORD	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
Status: A Tank Status: A Comp Number: 9573				
PORTOLA MOTORS	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***
Status: A Tank Status: A Comp Number: 11415				

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 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ULTRAMAR BEACON #737	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C11***	***20***
MARTY FRANICH LINC M Facility Id: 00000067692	***555 ARTHUR RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***D15***	***82***
MOYER PRODUCTS INC Facility Id: 00000004624	***834 WALKER***	***SSE 1/8 - 1/4 (0.205 mi.)***	***E16***	***99***
MARTY FRANICH FORD Facility Id: 00000009573	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
GEORGE BASSI DISTRIB Facility Id: 00000040470	240 FORD STREET	SSE 1/8 - 1/4 (0.224 mi.)	20	122
SAMBRAILO PAPER CO Facility Id: 00000005960	800 WALKER ST	SSE 1/8 - 1/4 (0.234 mi.)	H24	159
PORTOLA MOTORS Facility Id: 00000011415	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***

Lower Elevation	Address	Direction / Distance	Map ID	Page
COASTAL ENTERPRISES Facility Id: 00000001589	1138 MAIN ST	NW 0 - 1/8 (0.039 mi.)	B6	16
FAST GAS Facility Id: 00000011120	1180 MAIN ST	NW 0 - 1/8 (0.089 mi.)	C8	17

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 4 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEACON STATION 737 Facility Id: 44000028 Status: A	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C10***	***18***
MARTY FRANICH LINC M	***555 ARTHUR RD***	***NNE 1/8 - 1/4 (0.194 mi.)***	***D15***	***82***

Facility Id: 44000821
Status: A

MARTY FRANICH FORD	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
Facility Id: 44000807 Status: A				
PORTOLA MOTORS	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***
Facility Id: 44000651 Status: A				

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 07/23/2018 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ULTRAMAR BEACON #737	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C11***	***20***
MARTY FRANICH FORD	***550 ARTHUR RD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***F18***	***104***
OIL CAN HENRYS	***1409 MAIN ST***	***W 1/8 - 1/4 (0.233 mi.)***	***G23***	***133***

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 06/04/2018 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E, WATSONVILLE #1	***618 MAIN STREET***	***ESE 1/4 - 1/2 (0.424 mi.)***	***M42***	***232***
Status: CERTIFIED / OPERATION & MAINTENANCE Envirostor ID: 44490007				

Other Ascertainable Records

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 7 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR TREE #05233	***1010 MAIN ST***	***N 0 - 1/8 (0.032 mi.)***	***A3***	***8***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017				

Facility Id: FA0007696

ULTRAMAR BEACON #737 ***1180 MAIN ST*** ***NW 0 - 1/8 (0.091 mi.)*** ***C11*** ***20***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0003211

TRACTOR SUPPLY COMPA ***580 AUTO CENTER DR*** ***NNE 1/8 - 1/4 (0.149 mi.)*** ***D12*** ***71***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0008020

MARTY FRANICH FORD ***550 ARTHUR RD*** ***NNE 1/8 - 1/4 (0.220 mi.)*** ***F18*** ***104***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0003292

MARTY FRANICH CHRYSL ***555 AUTO CENTER DR*** ***NNE 1/8 - 1/4 (0.229 mi.)*** ***F21*** ***123***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0003291

OIL CAN HENRYS ***1409 MAIN ST*** ***W 1/8 - 1/4 (0.233 mi.)*** ***G23*** ***133***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0004342

PORTOLA MOTORS ***500 ARTHUR RD*** ***N 1/8 - 1/4 (0.238 mi.)*** ***I26*** ***161***
Database: CUPA SANTA CRUZ, Date of Government Version: 01/21/2017
Facility Id: FA0003865
Facility Id: FA0003154

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 9 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ULTRAMAR BEACON #737 Reg Id: 632	***1180 MAIN ST***	***NW 0 - 1/8 (0.091 mi.)***	***C11***	***20***
MOYER PRODUCTS INC Reg Id: 485	***834 WALKER***	***SSE 1/8 - 1/4 (0.205 mi.)***	***E16***	***99***
PORTOLA MOTORS Reg Id: 2462	***500 ARTHUR RD***	***N 1/8 - 1/4 (0.238 mi.)***	***I26***	***161***
AAMCO Reg Id: 478	***640 MAIN ST***	***ESE 1/4 - 1/2 (0.381 mi.)***	***K34***	***209***
7-ELEVEN STORE #1878 Reg Id: 913350952 Reg Id: 2375	***17710 SATICOY ST***	***ESE 1/4 - 1/2 (0.459 mi.)***	***M45***	***268***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW WEST FOODS Reg Id: 472	***841 WALKER ST***	***S 1/8 - 1/4 (0.188 mi.)***	***E14***	***79***
H & H BOTTLING Reg Id: 606	***352 FORD ST***	***S 1/4 - 1/2 (0.333 mi.)***	***30***	***197***
FARMERS PROCESSING I	***274 KEARNEY EXT***	***S 1/4 - 1/2 (0.413 mi.)***	***L37***	***223***

Reg Id: 484				
N/A	***275 KEARNEY ST***	***S 1/4 - 1/2 (0.474 mi.)***	***49***	***279***
Reg Id: 735				

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 08/20/2018 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST COAST CIRCUITS	1080 WEST BEACH STRE	SSW 1/2 - 1 (0.860 mi.)	N65	368
EPA Id: CAD081448961				
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 06/18/2018 has revealed that there are 3 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E, WATSONVILLE SI	618 MAIN STREET	ESE 1/4 - 1/2 (0.424 mi.)	M41	232
DON HEIM & SON DRY C	***1350 FREEDOM BLVD***	***NNE 1/2 - 1 (0.680 mi.)***	***56***	***304***
GAS STATION	222 MAIN STREET	ESE 1/2 - 1 (0.863 mi.)	66	369

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 WATSONVILLE	618 MAIN ST	ESE 1/4 - 1/2 (0.424 mi.)	M40	232

EXECUTIVE SUMMARY

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 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

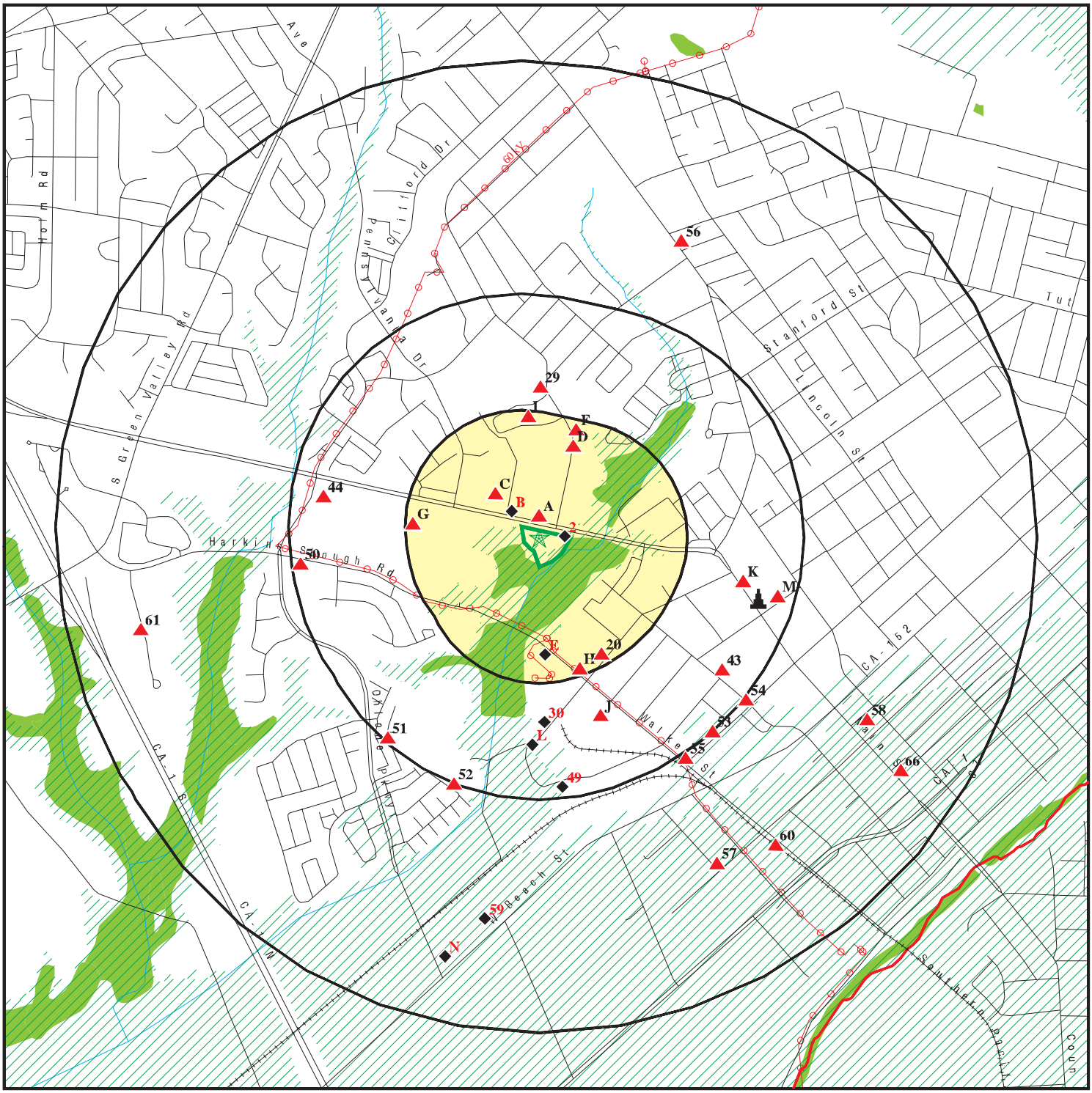
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHAZ MOBIL AUTO SERV	975 MAIN ST	0 - 1/8 (0.000 mi.)	2	8
J V TOWING	1110 MAIN ST	NW 0 - 1/8 (0.033 mi.)	B4	15
PURITAN OIL CO	1114 MAIN ST	NW 0 - 1/8 (0.036 mi.)	B5	15
ULTRAMAR INC	1180 MAIN ST	NW 0 - 1/8 (0.089 mi.)	C7	17

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
PG&E GAS PLANT WATSONVILLE 408 8A	SEMS-ARCHIVE
MOSS LANDING	ENVIROSTOR

OVERVIEW MAP - 5424064.2S



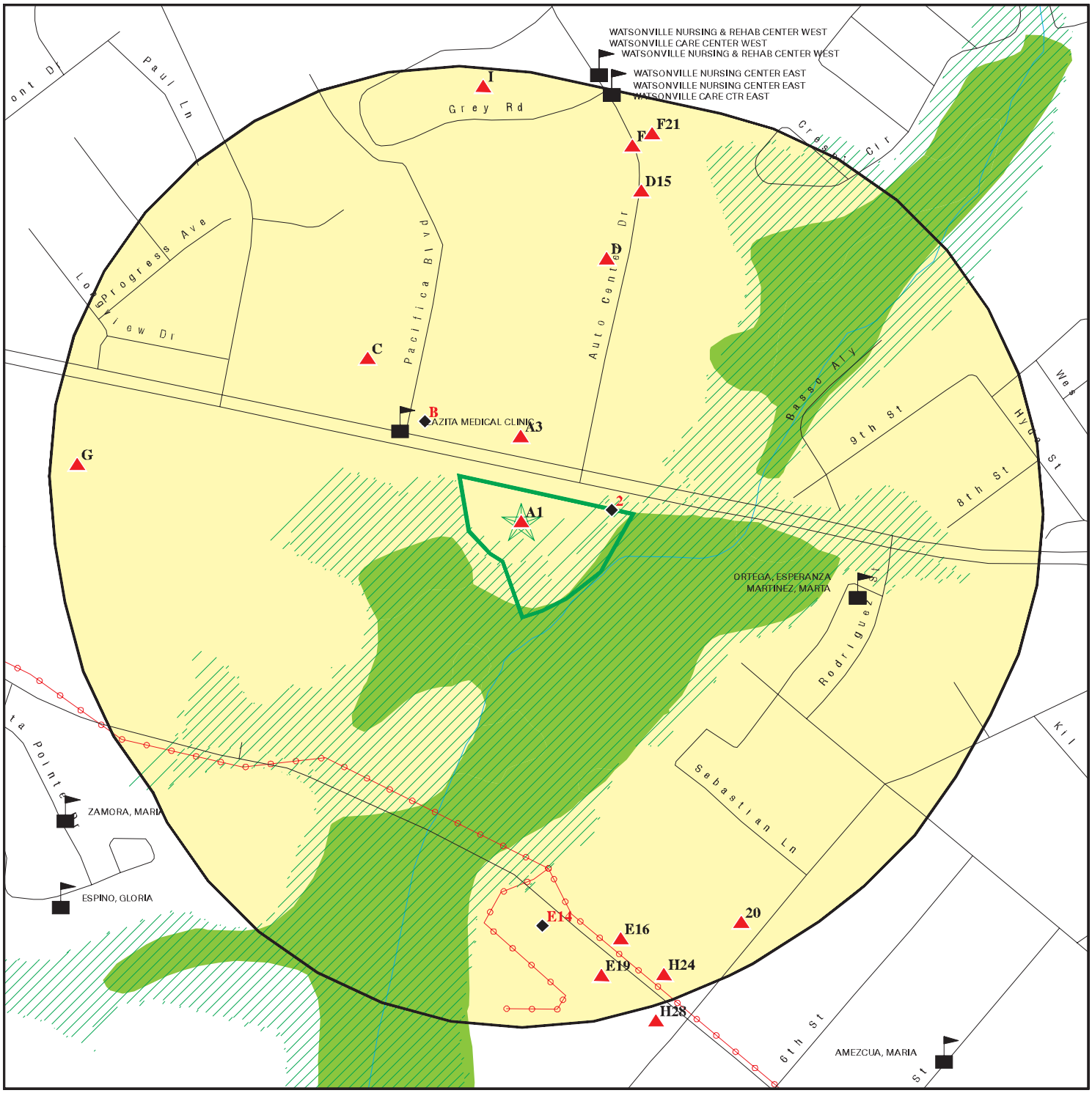
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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:	Watsonville Phase I	CLIENT:	Roux Associates Inc
ADDRESS:	999, 1017, 1035, 1039, and 1075 Main Street Watsonville CA 95076	CONTACT:	Josh Fox
		INQUIRY #:	5424064.2s
LAT/LONG:	36.915474 / 121.768324	DATE:	September 14, 2018 3:35 pm

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DETAIL MAP - 5424064.2S



0 1/16 1/8 1/4 Miles

- 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
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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:	Watsonville Phase I	CLIENT:	Roux Associates Inc
ADDRESS:	999, 1017, 1035, 1039, and 1075 Main Street Watsonville CA 95076	CONTACT:	Josh Fox
		INQUIRY #:	5424064.2s
LAT/LONG:	36.915474 / 121.768324	DATE:	September 14, 2018 3:40 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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	4	NR	NR	NR	4
RCRA-CESQG	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 CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	9	9	NR	18
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	6	12	NR	NR	19

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	5	NR	NR	5
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	5	NR	NR	NR	5
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields 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	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	6	NR	NR	NR	8
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	3	NR	NR	NR	4
HIST UST	0.250		3	6	NR	NR	NR	9
CA FID UST	0.250		1	3	NR	NR	NR	4
CERS TANKS	0.250		1	2	NR	NR	NR	3
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	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
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
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		0	0	0	NR	NR	0
CUPA Listings	0.250		2	5	NR	NR	NR	7
DRYCLEANERS	0.250		0	0	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
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	3	5	NR	NR	9
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	2	NR	3
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	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	1	4	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		1	17	43	38	13	0	112

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **STREET SCENE ON/OFF RD PERF** **EDR Hist Auto** **1020560764**
Target **1035 MAIN ST** **N/A**
Property **WATSONVILLE, CA 95076**

Site 1 of 2 in cluster A

Actual: **27 ft.**

EDR Hist Auto

Year:	Name:	Type:
1975	EXXON TRUCK STOP	Gasoline Service Stations
1976	EXXON TRUCK SHOP	Gasoline Service Stations
1977	EXXON TRUCK SHOP	Gasoline Service Stations
1978	EXXON TRUCK SHOP	Gasoline Service Stations
1979	QUALITY AUTO SALES	Used Car Dealers
1979	EXXON TRUCK SHOP	Gasoline Service Stations
1980	EXXON TRUCK SHOP	Gasoline Service Stations
1982	EXXON TRUCK SHOP	Gasoline Service Stations
2008	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2009	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2010	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2011	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2012	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2013	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops
2014	STREET SCENE ON/OFF RD PERF	General Automotive Repair Shops

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2 **CHAZ MOBIL AUTO SERVICE** **EDR Hist Auto** **1020216769**
975 MAIN ST **N/A**
< 1/8 **WATSONVILLE, CA 95076**
1 ft.

EDR Hist Auto

Relative: **Lower**

Actual: **22 ft.**

Year:	Name:	Type:
1990	CHAZ MOBIL AUTO SERVICE	General Automotive Repair Shops
1991	CHAZ MOBIL AUTO SERVICE	General Automotive Repair Shops
1992	CHAZ MOBIL AUTO SERVICE	General Automotive Repair Shops

A3 **DOLLAR TREE #05233** **CUPA Listings** **S117037929**
North **1010 MAIN ST** **CERS HAZ WASTE** **N/A**
< 1/8 **WATSONVILLE, CA 95076** **CERS**
0.032 mi.
168 ft. **Site 2 of 2 in cluster A**

Relative: **Higher**

Actual: **31 ft.**

CUPA SANTA CRUZ:
Facility Id: FA0007696
Cross Street: Not reported
Description: HMMP SHORT FORM BASE FEE

Facility Id: FA0007696
Cross Street: Not reported
Description: HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

CERS HAZ WASTE:
Site ID: 112221
CERS ID: 10502614
CERS Description: Hazardous Waste Generator

Violations:

DOLLAR TREE #05233 (Continued) **S117037929**

Site ID: 112221
Site Name: Dollar Tree #05233
Violation Date: 06-22-2016
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 06/27/2016. OBSERVATION: The last inspection on the inspection log for the Hazardous Waste Storage area in the stockroom is April 2016. 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

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-06-2018
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: 04-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to observe the management of hazardous waste, training and record keeping. No violations were observed today.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes. Submit the locally required information to the California Electronic Reporting System (CERS).
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The active EPA Generator ID# is CAL000396764. Hazardous wastes were transported by Stericycle Specialty Waste Solutions, Inc.

DOLLAR TREE #05233 (Continued) **S117037929**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 112221
Site Name: Dollar Tree #05233
Site Address: 1010 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 06-22-2016
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

Coordinates:
Site ID: 112221
Facility Name: Dollar Tree #05233
Env Int Type Code: HWG
Program ID: 10502614
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.916080
Longitude: -121.766850

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: Angela Jones
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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Stephanie Caiati
Entity Title: Not reported
Affiliation Address: 500 Volvo Pkwy
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: Not reported

DOLLAR TREE #05233 (Continued) **S117037929**

Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5547
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Volvo Pkwy EH&S
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Angela Jones
Entity Title:	EH&S Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	500 Volvo Pkwy
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	United States
Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	Operator
Entity Name:	Dollar Tree Stores, 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:	(757) 321-5000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Dollar Tree Stores, 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:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	1000 Main Street Associates, LLC
Entity Title:	Not reported
Affiliation Address:	400 Beach Street

DOLLAR TREE #05233 (Continued) **S117037929**

Affiliation City:	Santa Cruz
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95060-5491
Affiliation Phone:	(831) 460-3327

CERS TANKS:

Site ID:	112221
CERS ID:	10502614
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	112221
Site Name:	Dollar Tree #05233
Violation Date:	06-22-2016
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 06/27/2016. OBSERVATION: The last inspection on the inspection log for the Hazardous Waste Storage area in the stockroom is April 2016. 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

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-06-2018
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:	04-06-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site today to observe the management of hazardous waste, training and record keeping. No violations were observed today.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-22-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA)

DOLLAR TREE #05233 (Continued) **S117037929**

inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes. Submit the locally required information to the California Electronic Reporting System (CERS).

Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: The active EPA Generator ID# is CAL000396764. Hazardous wastes were transported by Stericycle Specialty Waste Solutions, Inc.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 112221
Site Name: Dollar Tree #05233
Site Address: 1010 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 06-22-2016
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

Coordinates:
Site ID: 112221
Facility Name: Dollar Tree #05233
Env Int Type Code: HWG
Program ID: 10502614
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.916080
Longitude: -121.766850

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: Angela Jones
Entity Title: Not reported
Affiliation Address: Not reported

DOLLAR TREE #05233 (Continued) **S117037929**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Stephanie Caiati
Entity Title:	Not reported
Affiliation Address:	500 Volvo Pkwy
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5547
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Volvo Pkwy EH&S
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Angela Jones
Entity Title:	EH&S Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	500 Volvo Pkwy
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	United States
Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	Operator
Entity Name:	Dollar Tree Stores, 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:	(757) 321-5000
Affiliation Type Desc:	Parent Corporation

DOLLAR TREE #05233 (Continued) **S117037929**

Entity Name:	Dollar Tree Stores, 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:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	1000 Main Street Associates, LLC
Entity Title:	Not reported
Affiliation Address:	400 Beach Street
Affiliation City:	Santa Cruz
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95060-5491
Affiliation Phone:	(831) 460-3327

B4 **J V TOWING** **EDR Hist Auto** **1021560283**
NW **1110 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.033 mi.
176 ft. **Site 1 of 3 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: **23 ft.**

Year:	Name:	Type:
1985	J V TOWING	Gasoline Service Stations
1986	J V TOWING	Gasoline Service Stations
1987	J V TOWING	Gasoline Service Stations

B5 **PURITAN OIL CO** **EDR Hist Auto** **1021674644**
NW **1114 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.036 mi.
191 ft. **Site 2 of 3 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: **23 ft.**

Year:	Name:	Type:
1969	PURITAN OIL CO	Gasoline Service Stations
1971	PURITAN OIL CO	Gasoline Service Stations

B6 **COASTAL ENTERPRISES** **HIST UST** **U001602187**
NW **1138 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.039 mi.
208 ft. **Site 3 of 3 in cluster B**

Relative: **Lower**
Actual: **23 ft.**

HIST UST:

File Number:	00020C7F
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C7F.pdf
Region:	STATE
Facility ID:	00000001589
Facility Type:	Other
Other Type:	TRUCKING
Contact Name:	Not reported
Telephone:	4087226154
Owner Name:	RAY ERTA
Owner Address:	671 LAKEVIEW RD.
Owner City,St,Zip:	WATSONVILLE, CA 95076
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	3/10
Leak Detection:	Visual, Stock Inventor
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	3/10
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

C7 **ULTRAMAR INC** **EDR Hist Auto** **1021333782**
NW **1180 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.089 mi.
469 ft. **Site 1 of 5 in cluster C**

Relative: EDR Hist Auto
Lower

Actual:
26 ft.

Year:	Name:	Type:
1995	ULTRAMAR INC	Gasoline Service Stations
1996	ULTRAMAR INC	Gasoline Service Stations
1997	ULTRAMAR INC	Gasoline Service Stations
1998	ULTRAMAR INC	Gasoline Service Stations
1999	ULTRAMAR INC	Gasoline Service Stations
2000	ULTRAMAR INC	Gasoline Service Stations
2001	ULTRAMAR INC	Gasoline Service Stations
2002	ULTRAMAR INC	Gasoline Service Stations
2003	ULTRAMAR INC	Gasoline Service Stations
2004	ULTRAMAR INC	Gasoline Service Stations
2005	ULTRAMAR INC	Gasoline Service Stations
2006	ULTRAMAR INC	Gasoline Service Stations
2007	ULTRAMAR INC	Gasoline Service Stations
2008	ULTRAMAR INC	Gasoline Service Stations
2009	ULTRAMAR INC	Gasoline Service Stations
2010	ULTRAMAR INC	Gasoline Service Stations
2011	ULTRAMAR INC	Gasoline Service Stations
2012	ULTRAMAR INC	Gasoline Service Stations
2013	ULTRAMAR INC	Gasoline Service Stations
2014	ULTRAMAR INC	Gasoline Service Stations

C8 **FAST GAS** **HIST UST** **U001602206**
NW **1180 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.089 mi.
469 ft. **Site 2 of 5 in cluster C**

Relative: HIST UST:
Lower

Actual:
26 ft.

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000011120
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	4087249959
Owner Name:	KAYO OIL COMPANY
Owner Address:	1221 E. MAIN STREET
Owner City,St,Zip:	CHATTANOOGA, TN 37408
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	002

FAST GAS (Continued) **U001602206**

Container Num:	2
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

C9 **BEACON STATION #5-737** **UST** **U003938403**
NW **1180 MAIN ST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.091 mi.
481 ft. **Site 3 of 5 in cluster C**

Relative: **Higher**
Actual: **27 ft.**

UST:

Facility ID:	Not reported
Permitting Agency:	Santa Cruz County Environmental Health
Latitude:	36.91684
Longitude:	-121.77007

Facility ID:	FA0003211
Permitting Agency:	SANTA CRUZ COUNTY
Latitude:	36.9182662
Longitude:	-121.7686659

C10 **BEACON STATION 737** **SWEEPS UST** **S101594688**
NW **1180 MAIN ST** **CA FID UST** **N/A**
< 1/8 **WATSONVILLE, CA 95076**
0.091 mi.
481 ft. **Site 4 of 5 in cluster C**

Relative: **Higher**
Actual: **27 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	11120
Number:	9
Board Of Equalization:	44-000202
Referral Date:	04-27-93
Action Date:	04-27-93
Created Date:	02-29-88
Owner Tank Id:	4
SWRCB Tank Id:	44-052-011120-000004
Tank Status:	A
Capacity:	10000
Active Date:	04-27-93
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED

BEACON STATION 737 (Continued) **S101594688**

Number Of Tanks: 3

Status: Active
Comp Number: 11120
Number: 9
Board Of Equalization: 44-000202
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 44-052-011120-000005
Tank Status: A
Capacity: 10000
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11120
Number: 9
Board Of Equalization: 44-000202
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 6
SWRCB Tank Id: 44-052-011120-000006
Tank Status: A
Capacity: 10000
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 44000028
Regulated By: UTNKA
Regulated ID: 00011120
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4087249959
Mail To: Not reported
Mailing Address: PO BOX 466
Mailing Address 2: Not reported
Mailing City,St,Zip: WATSONVILLE 95076
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C11 **ULTRAMAR BEACON #737** **LUST** **S101304474**
NW **1180 MAIN ST** **HIST UST** **N/A**
< 1/8 **WATSONVILLE, CA 95076** **CUPA Listings**
0.091 mi. **HAZNET**
481 ft. **Site 5 of 5 in cluster C** **HIST CORTESE**
CERS TANKS
Relative: **CERS**
Higher **CERS HAZ WASTE**

Actual:
27 ft.

LUST:

Lead Agency:	CENTRAL COAST RWQCB (REGION 3)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700262
Global Id:	T0608700262
Latitude:	36.9167443086294
Longitude:	-121.769987610312
Status:	Completed - Case Closed
Status Date:	12/22/2016
Case Worker:	TAS
RB Case Number:	632
Local Agency:	SANTA CRUZ COUNTY
File Location:	Regional Board
Local Case Number:	RO0000071
Potential Media Affect:	Soil, Soil Vapor
Potential Contaminants of Concern:	Gasoline
Site History:	MRP as of 7/20/2009 Semi-annual monitoring: MRP NO.87-118

LUST:

Global Id:	T0608700262
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:	tsayles@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0608700262
Action Type:	ENFORCEMENT
Date:	09/09/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0608700262
Action Type:	ENFORCEMENT
Date:	11/08/2011
Action:	13267 Requirement
Global Id:	T0608700262
Action Type:	ENFORCEMENT
Date:	05/11/2009
Action:	File review
Global Id:	T0608700262
Action Type:	ENFORCEMENT
Date:	07/20/2009
Action:	13267 Requirement
Global Id:	T0608700262

ULTRAMAR BEACON #737 (Continued) **S101304474**

Action Type: ENFORCEMENT
Date: 08/26/1997
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 12/29/1998
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/19/1991
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/30/2000
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/02/2001
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 08/19/2011
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/30/2010
Action: 13267 Requirement

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/17/1995
Action: Waste Discharge Requirements

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/24/1998
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 07/10/2002
Action: NPDES Permit

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2004

ULTRAMAR BEACON #737 (Continued) **S101304474**

Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/20/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/28/2007
Action: Verbal Communication

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 07/01/2002
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 12/20/1994
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/02/1995
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/10/1995
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/12/1995
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/15/1996
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 01/05/1999
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 01/26/1999
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/28/2010
Action: 13267 Requirement

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/12/1999
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/20/1999
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 01/23/2009
Action: File review

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 01/29/2015
Action: Staff Letter

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/16/1986
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/26/1987
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/1991
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/30/2000
Action: Well Installation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/19/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 09/11/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/06/1992
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/30/1993
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/07/1994
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/25/1994
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/06/1995
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/19/1995
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/10/1995
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/28/1995
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/05/1996
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/07/1996
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/24/2001
Action: Monitoring Report - Quarterly

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/18/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/25/2010
Action: Letter - Notice

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/23/1987
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 07/22/2013
Action: Referral to Local Agency

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/20/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/20/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/20/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2011
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: REMEDIATION
Date: 03/02/2004
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/05/2001
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 08/11/2003
Action: Staff Letter

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/14/2011
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/17/2011
Action: Waste Discharge Requirements

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/26/1990
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 05/19/1987
Action: Waste Discharge Requirements

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 01/27/1994
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/07/1994
Action: Waste Discharge Requirements

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/18/1999
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/24/1999
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 05/08/2000
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/30/2001
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/04/2001
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 09/05/2001
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 07/09/2002
Action: NPDES Permit

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 12/12/2006
Action: NPDES Permit

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 05/17/1993
Action: Notice of Violation

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/16/1998
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 10/28/1986
Action: Notice of Violation

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/12/2014
Action: Staff Letter

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/29/2010
Action: Pilot Study / Treatability Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/04/1992
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/17/1992
Action: Monitoring Report - Quarterly

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/01/1992
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/15/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/21/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/19/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/05/1984
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/28/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/02/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/21/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/22/1996
Action: Well Destruction Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/01/1996
Action: Well Destruction Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/19/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 05/19/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/16/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/06/1997
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/16/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/13/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/13/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/30/2011
Action: Conceptual Site Model

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 12/22/2016
Action: Closure/No Further Action Letter

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/11/2003
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/30/2011
Action: Monitoring Report - Semi-Annually

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/05/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/01/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/30/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/26/2011
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/18/2016
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2014
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/06/2014
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/30/2012
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/20/1985
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/17/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 11/01/1999
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/24/2000
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/27/2000
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/15/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/19/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/30/1995
Action: Soil and Water Investigation Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/01/1995
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/17/1997
Action: Risk Assessment Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/16/2001
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/11/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/11/1994
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/15/1990
Action: Monitoring Report - Quarterly

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/19/1993
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/17/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/17/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/16/2000
Action: Soil and Water Investigation Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/09/1991
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/16/1998
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/15/2001
Action: Interim Remedial Action Plan

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/16/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/19/1997
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 05/25/1987
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700262
Action Type: ENFORCEMENT

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 07/17/2000
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 09/08/2000
Action: 13267 Requirement

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2004
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: Other
Date: 11/19/1985
Action: Leak Reported

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/10/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/10/1997
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/19/2001
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/20/2002
Action: Remedial Progress Report

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/10/1999
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/19/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/26/1991
Action: Soil and Water Investigation Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/01/1999
Action: Soil and Water Investigation Workplan

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/19/2000
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/23/2001
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 05/03/1994
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 08/06/1996
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/16/1996
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/17/1997
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 06/26/1998
Action: Monitoring Report - Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/31/2016
Action: Well Destruction Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/30/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/22/2006
Action: Verbal Communication

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/20/2003
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/13/1999
Action: Monitoring Report - Annually

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/26/1994
Action: Remedial Progress Report

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/25/1998
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/08/1999
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/14/2002
Action: Interim Remedial Action Plan

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/11/2001
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/16/2001
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/14/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 09/18/1991
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/26/1991
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 11/16/1992
Action: Other Report / Document

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/29/1992
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/15/2000
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 10/11/2000
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 02/09/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/24/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/16/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/05/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/28/1994
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/06/1998
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/21/2000
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 12/18/2000
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 02/06/2001
Action: Notice of Violation

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 03/11/1998
Action: Staff Letter

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/20/2002
Action: Remedial Progress Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: REMEDIATION
Date: 01/01/1986
Action: Excavation

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2010
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 05/05/2009
Action: File review

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/18/1986
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 10/20/1987
Action: Site Visit / Inspection / Sampling

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/26/2015
Action: Referral to Regional Board

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/18/1996
Action: 13267 Monitoring Program

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/18/2016
Action: Notification - Fee Title Owners Notice

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/21/2016
Action: 13267 Requirement

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/19/1986
Action: Site Assessment Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/01/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 06/17/1986
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/16/1986
Action: Soil and Water Investigation Report

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/03/1987
Action: Correspondence

Global Id: T0608700262
Action Type: RESPONSE
Date: 03/05/1987
Action: Correspondence

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id:	T0608700262
Action Type:	RESPONSE
Date:	12/26/1991
Action:	Soil and Water Investigation Workplan
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	12/30/1993
Action:	Soil and Water Investigation Workplan
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	12/09/1994
Action:	Soil and Water Investigation Report
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	01/13/1999
Action:	Unauthorized Release Form
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	05/17/2002
Action:	Remedial Progress Report
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	02/21/2002
Action:	Remedial Progress Report
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	06/17/2002
Action:	Remedial Progress Report
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	07/17/2002
Action:	Remedial Progress Report
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	08/30/1990
Action:	Monitoring Report - Quarterly
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	03/13/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0608700262
Action Type:	RESPONSE
Date:	04/26/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0608700262
Action Type:	RESPONSE

ULTRAMAR BEACON #737 (Continued) **S101304474**

Date: 09/07/1993
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 10/25/1993
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 12/02/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/21/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/07/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 01/19/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/26/2010
Action: 13267 Requirement

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 06/02/2010
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 04/04/2002
Action: Staff Letter

Global Id: T0608700262
Action Type: ENFORCEMENT
Date: 11/27/1995
Action: 13267 Requirement

Global Id: T0608700262
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700262
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Action Type: REMEDIATION
Date: 02/16/2005
Action: Soil Vapor Extraction (SVE)

LUST:
Global Id: T0608700262
Status: Open - Case Begin Date
Status Date: 11/19/1985

Global Id: T0608700262
Status: Open - Verification Monitoring
Status Date: 10/01/1994

Global Id: T0608700262
Status: Open - Remediation
Status Date: 03/25/2001

Global Id: T0608700262
Status: Open - Remediation
Status Date: 08/21/2002

Global Id: T0608700262
Status: Open - Remediation
Status Date: 09/23/2002

Global Id: T0608700262
Status: Open - Remediation
Status Date: 10/15/2002

Global Id: T0608700262
Status: Open - Remediation
Status Date: 11/14/2002

Global Id: T0608700262
Status: Open - Remediation
Status Date: 12/24/2002

Global Id: T0608700262
Status: Open - Remediation
Status Date: 01/24/2003

Global Id: T0608700262
Status: Open - Remediation
Status Date: 05/20/2003

Global Id: T0608700262
Status: Open - Remediation
Status Date: 06/16/2003

Global Id: T0608700262
Status: Open - Remediation
Status Date: 07/14/2004

Global Id: T0608700262
Status: Open - Eligible for Closure
Status Date: 04/18/2016

ULTRAMAR BEACON #737 (Continued) **S101304474**

Global Id: T0608700262
Status: Completed - Case Closed
Status Date: 12/22/2016

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700262
Status: Remedial action (cleanup) Underway
Case Number: 632
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants, Vent Soil - bore holes in soil to allow volatilization of contaminants
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 11/19/1985
Discovered Date: Not reported
Enter Date: 07/09/1987
Stop Date: Not reported
Review Date: 09/25/2002
Enforce Date: 5/8/87
Close Date: Not reported
Enforcement Type: LET
Responsible Party: ROBERT FISHBURN
RP Address: 685 WEST THIRD STREET
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: 3/25/01
Remedial Action: 3/25/01
Monitoring: 10/01/1994
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: A
Max MTBE Grnd Wtr: 14000
Max MTBE Soil: Not reported
Max MTBE Data: 08/01/2002
MTBE Tested: YES
Lat/Long: 36.9181339 / -121.7707279
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 17

ULTRAMAR BEACON #737 (Continued) **S101304474**

Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: MUN
Priority: 2
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: CITY OF WATSONVILLE
Well Name: WELL 17
Distance From Well: 0
Assigned Name: 12S/02E-05K01 M
Summary: GROUNDWATER CLEANUP IS PROGRESSING. VAPOR EXTRACTION SYSTEM DEPARTED FROM '91-'93. RETURN TO QUARTERLY MONITORING. ADDITIONAL SITE ASSESSMENT PROPOSED & APPROVED 6/24/99 REGARDING SUSPECTED NEW RELEASE.

HIST UST:
File Number: 00020BF0
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020BF0.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

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:

CUPA SANTA CRUZ:
Facility Id: FA0003211
Cross Street: PENNSYLVANIA
Description: UNDERGROUND STORAGE TANK PROGRAM

ULTRAMAR BEACON #737 (Continued) **S101304474**

Facility Id: FA0003211
Cross Street: PENNSYLVANIA
Description: STATE UST SURCHARGE

Facility Id: FA0003211
Cross Street: PENNSYLVANIA
Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0003211
Cross Street: PENNSYLVANIA
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

HAZNET:
envid: S101304474
Year: 2016
GEPAID: CAL000418922
Contact: JAMIL HERSHEWE
Telephone: 7147715484
Mailing Name: Not reported
Mailing Address: PO BOX 711
Mailing City,St,Zip: DALLAS, TX 75221
Gen County: Santa Cruz
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.105
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Santa Cruz

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 632

CERS TANKS:
Site ID: 79742
CERS ID: 10192873
CERS Description: Underground Storage Tank

Violations:
Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-03-2016
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 06/16/2017.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

ULTRAMAR BEACON #737 (Continued) **S101304474**

Site ID:	79742
Site Name:	7-ELEVEN INC. STORE# 38009
Violation Date:	10-22-2013
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes:	Returned to compliance on 12/10/2013.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	79742
Site Name:	7-ELEVEN INC. STORE# 38009
Violation Date:	10-07-2015
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 11/06/2015.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	79742
Site Name:	7-ELEVEN INC. STORE# 38009
Violation Date:	06-16-2017
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 07/17/2017. OBSERVATION: During the June 16, 2017, secondary containment testing (SB-989) for the regular (87) and premium (91) grade STP sumps could not be tested. The boot on the 87 siphon product line is missing and the boot on the 91 product line is cracked/cut and the technician onsite does not have the correct boots on the work truck; therefore, these STP sumps can not be SB-989 tested and have not been properly maintained. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify the Certified Unified Program Agency (CUPA), the Santa Cruz County Environmental Health Division, of testing and submit results.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	UST
Violation Source:	CERS

Site ID:	79742
Site Name:	7-ELEVEN INC. STORE# 38009
Violation Date:	10-07-2015
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 11/06/2015.

ULTRAMAR BEACON #737 (Continued) **S101304474**

Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2015
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: 03-13-2015
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: 03-13-2015
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: 03-16-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site today to witness a monitor certification due to the replacement of dispensers. Tanknology was on site to perform the monitor cert. Only the dispensers were changed, nothing under them was changed. All sensors passed. We did not do sensor out or fail safe, or line leak detectors today. Next monitor certification will be at normal time, in September.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes. A routine facility inspection was conducted on this date. Monitoring Certification testing was conducted by Tanknology, technician Jarrod Cooke. All leak monitoring sensors, LLDs and spill buckets were tested. All equipment tested was is good operational condition. Please provide a copy of the test report to our

ULTRAMAR BEACON #737 (Continued) **S101304474**

	office within 30 days.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000418922. Hazardous wastes were transported by Belshire.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On this date, secondary containment (SB-989) testing was conducted by Tanknology, technician Jarrod Cooke. The siphon regular (87) grade STP sump (for the middle underground storage tank [UST]) and all four under dispenser containments (UDCs) were tested and were found to be in good operational condition. The siphon product line boot in the 87 grade STP sump (the southern most UST) was missing and the product line boot in the premium (91) grade STP sump (the northern most UST) was cracked/cut; therefore, the testability of these two STP sumps were not maintained and SB-989 testing could not be conducted. The boots for these two sumps must be replaced and the SB-989 retested (the Certified Unified Program Agency [CUPA], which is the Santa Cruz County Environmental Health Division), must be notified prior to the SB-989 retest. Please provide a copy of the test report to our office within 30 days.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-17-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB-989 Testing.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-03-2016
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:	10-03-2016

ULTRAMAR BEACON #737 (Continued) **S101304474**

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: 10-03-2016
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: 10-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
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: 10-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2013
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: 10-22-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

ULTRAMAR BEACON #737 (Continued) **S101304474**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2013
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: Other/Unknown
Eval Date: 12-05-2013
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

Enforcement Action:
Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 06-16-2017
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: UST
Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-03-2016
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: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

ULTRAMAR BEACON #737 (Continued) **S101304474**

Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-22-2013
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

Coordinates:
Site ID: 79742
Facility Name: 7-ELEVEN INC. STORE# 38009
Env Int Type Code: HWG
Program ID: 10192873
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.916840
Longitude: -121.770070

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: BELSHIRE ENVIRONMENTAL SERVICES 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: Not reported

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

ULTRAMAR BEACON #737 (Continued) **S101304474**

Affiliation Zip:	75221
Affiliation Phone:	(714) 253-6491
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:	Not reported
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:	Not reported
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:	Operator
Entity Name:	SHARMA MANANGEMENT, 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:	(831) 722-5249
Affiliation Type Desc:	Parent Corporation
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:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	7-ELEVEN INC.
Entity Title:	Not reported
Affiliation Address:	P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT

ULTRAMAR BEACON #737 (Continued) **S101304474**

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:	UST Tank Operator
Entity Name:	SHARMA MANANGEMENT, 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

CERS TANKS:

Site ID:	249967
CERS ID:	T0608700262
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

ULTRAMAR BEACON #737 (Continued) **S101304474**

Affiliation City: SAN LUIS OBISPO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 79742
CERS ID: 10192873
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-03-2016
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 06/16/2017.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-22-2013
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 12/10/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-07-2015
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 11/06/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 06-16-2017
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 07/17/2017. OBSERVATION: During the June 16, 2017, secondary containment testing (SB-989) for the regular (87) and premium (91) grade STP sumps could not be tested. The boot on the 87

ULTRAMAR BEACON #737 (Continued) **S101304474**

siphon product line is missing and the boot on the 91 product line is cracked/cut and the technician onsite does not have the correct boots on the work truck; therefore, these STP sumps can not be SB-989 tested and have not been properly maintained. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify the Certified Unified Program Agency (CUPA), the Santa Cruz County Environmental Health Division, of testing and submit results.

Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-07-2015
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 11/06/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2015
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: 03-13-2015
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: 03-13-2015
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: 03-16-2018

ULTRAMAR BEACON #737 (Continued) **S101304474**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site today to witness a monitor certification due to the replacement of dispensers. Tanknology was on site to perform the monitor cert. Only the dispensers were changed, nothing under them was changed. All sensors passed. We did not do sensor out or fail safe, or line leak detectors today. Next monitor certification will be at normal time, in September.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes. A routine facility inspection was conducted on this date. Monitoring Certification testing was conducted by Tanknology, technician Jarrod Cooke. All leak monitoring sensors, LLDs and spill buckets were tested. All equipment tested was is good operational condition. Please provide a copy of the test report to our office within 30 days.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000418922. Hazardous wastes were transported by Belshire.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On this date, secondary containment (SB-989) testing was conducted by Tanknology, technician Jarrod Cooke. The siphon regular (87) grade STP sump (for the middle underground storage tank [UST]) and all four under dispenser containments (UDCs) were tested and were found to be in good operational condition. The siphon product line boot in the 87 grade STP sump (the southern most UST) was missing and the product line boot in the premium (91) grade STP sump (the northern most UST) was cracked/cut; therefore, the testability of these two STP sumps were not maintained and SB-989 testing could not be conducted. The boots for these two sumps must be replaced and the SB-989 retested (the Certified Unified Program Agency [CUPA], which is the Santa Cruz County Environmental Health Division), must be notified prior to the SB-989 retest. Please provide a copy of the test report to our office within 30 days.
Eval Division:	Santa Cruz County Environmental Health

ULTRAMAR BEACON #737 (Continued) **S101304474**

Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-17-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB-989 Testing.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2016
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: 10-03-2016
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: 10-03-2016
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: 10-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
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

ULTRAMAR BEACON #737 (Continued) **S101304474**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2013
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: 10-22-2013
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: 10-22-2013
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: Other/Unknown
Eval Date: 12-05-2013
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

Enforcement Action:
Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 06-16-2017
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: UST

ULTRAMAR BEACON #737 (Continued) **S101304474**

Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-03-2016
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: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-07-2015
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: HMRRP
Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-22-2013
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

Coordinates:
Site ID: 79742
Facility Name: 7-ELEVEN INC. STORE# 38009
Env Int Type Code: HWG
Program ID: 10192873
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.916840
Longitude: -121.770070

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported
Affiliation Address: 701 Ocean Boulevard, Suite 312

ULTRAMAR BEACON #737 (Continued) **S101304474**

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:	BELSHIRE ENVIRONMENTAL SERVICES 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:	Not reported
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:	(714) 253-6491
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:	Not reported
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:	Not reported
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:	Operator

ULTRAMAR BEACON #737 (Continued) **S101304474**

Entity Name:	SHARMA MANANGEMENT, 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:	(831) 722-5249
Affiliation Type Desc:	Parent Corporation
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:	Not reported
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:	UST Tank Operator
Entity Name:	SHARMA MANANGEMENT, 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

ULTRAMAR BEACON #737 (Continued) **S101304474**

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

CERS HAZ WASTE:
Site ID: 79742
CERS ID: 10192873
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-03-2016
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 06/16/2017.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-22-2013
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 12/10/2013.
Violation Division: Santa Cruz County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 10-07-2015
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 11/06/2015.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Violation Date: 06-16-2017

ULTRAMAR BEACON #737 (Continued) **S101304474**

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 07/17/2017. OBSERVATION: During the June 16, 2017, secondary containment testing (SB-989) for the regular (87) and premium (91) grade STP sumps could not be tested. The boot on the 87 siphon product line is missing and the boot on the 91 product line is cracked/cut and the technician onsite does not have the correct boots on the work truck; therefore, these STP sumps can not be SB-989 tested and have not been properly maintained. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify the Certified Unified Program Agency (CUPA), the Santa Cruz County Environmental Health Division, of testing and submit results.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	UST
Violation Source:	CERS
Site ID:	79742
Site Name:	7-ELEVEN INC. STORE# 38009
Violation Date:	10-07-2015
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 11/06/2015.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-13-2015
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:	03-13-2015
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:	03-13-2015
Violations Found:	No

ULTRAMAR BEACON #737 (Continued) **S101304474**

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:	03-16-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site today to witness a monitor certification due to the replacement of dispensers. Tanknology was on site to perform the monitor cert. Only the dispensers were changed, nothing under them was changed. All sensors passed. We did not do sensor out or fail safe, or line leak detectors today. Next monitor certification will be at normal time, in September.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes. A routine facility inspection was conducted on this date. Monitoring Certification testing was conducted by Tanknology, technician Jarrod Cooke. All leak monitoring sensors, LLDs and spill buckets were tested. All equipment tested was is good operational condition. Please provide a copy of the test report to our office within 30 days.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000418922. Hazardous wastes were transported by Belshire.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-16-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On this date, secondary containment (SB-989) testing was conducted by Tanknology, technician Jarrod Cooke. The siphon regular (87) grade STP sump (for the middle underground storage tank [UST]) and all four under dispenser containments (UDCs) were tested and were found to be in good operational condition. The siphon product line boot in the 87 grade STP sump (the southern most UST) was missing and the product line boot in the premium (91) grade STP sump (the northern most UST)

ULTRAMAR BEACON #737 (Continued) **S101304474**

was cracked/cut; therefore, the testability of these two STP sumps were not maintained and SB-989 testing could not be conducted. The boots for these two sumps must be replaced and the SB-989 retested (the Certified Unified Program Agency [CUPA], which is the Santa Cruz County Environmental Health Division), must be notified prior to the SB-989 retest. Please provide a copy of the test report to our office within 30 days.

Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-17-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB-989 Testing.
Eval Division: Santa Cruz County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2016
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: 10-03-2016
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: 10-03-2016
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: 10-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

ULTRAMAR BEACON #737 (Continued) **S101304474**

Eval Date: 10-07-2015
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: 10-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2013
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: 10-22-2013
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: 10-22-2013
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: Other/Unknown
Eval Date: 12-05-2013
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

Enforcement Action:
Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST

ULTRAMAR BEACON #737 (Continued) **S101304474**

Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 06-16-2017
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: UST
Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-03-2016
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: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-07-2015
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: HMRRP
Enf Action Source: CERS

Site ID: 79742
Site Name: 7-ELEVEN INC. STORE# 38009
Site Address: 1180 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 10-22-2013
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

Coordinates:
Site ID: 79742
Facility Name: 7-ELEVEN INC. STORE# 38009
Env Int Type Code: HWG
Program ID: 10192873
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.916840

ULTRAMAR BEACON #737 (Continued) **S101304474**

Longitude: -121.770070

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:	BELSHIRE ENVIRONMENTAL SERVICES 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:	Not reported

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:	(714) 253-6491

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:	Not reported

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:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	7-ELEVEN INC.
Entity Title:	Not reported
Affiliation Address:	P.O.BOX 7-11 ATTN: ENVIRONMENTAL DEPARTMENT

ULTRAMAR BEACON #737 (Continued) **S101304474**

Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75221
Affiliation Phone:	(800) 828-0711
Affiliation Type Desc:	Operator
Entity Name:	SHARMA MANANGEMENT, 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:	(831) 722-5249
Affiliation Type Desc:	Parent Corporation
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:	Not reported
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:	UST Tank Operator

ULTRAMAR BEACON #737 (Continued) **S101304474**

Entity Name:	SHARMA MANANGEMENT, 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

D12 **TRACTOR SUPPLY COMPANY #1955** **CUPA Listings** **S118228327**
NNE **580 AUTO CENTER DR** **HAZNET** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
0.149 mi.
787 ft. **Site 1 of 3 in cluster D**

Relative:
Higher

Actual:
45 ft.

CUPA SANTA CRUZ:

Facility Id:	FA0008020
Cross Street:	Not reported
Description:	HMMP SHORT FORM 1 HAZ CLASS
Facility Id:	FA0008020
Cross Street:	Not reported
Description:	HMMP SHORT FORM BASE FEE
Facility Id:	FA0008020
Cross Street:	Not reported
Description:	HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

HAZNET:

envid:	S118228327
Year:	2015
GEPAID:	CAL000412413
Contact:	BRIAN SPEARS
Telephone:	6154404115
Mailing Name:	Not reported
Mailing Address:	5401 VIRGINIA WAY
Mailing City,St,Zip:	BRENTWOOD, TN 37027
Gen County:	Santa Cruz
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0225
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Cruz

TRACTOR SUPPLY COMPANY #1955 (Continued) **S118228327**

envid: S118228327
Year: 2015
GEPAID: CAL000412413
Contact: BRIAN SPEARS
Telephone: 6154404115
Mailing Name: Not reported
Mailing Address: 5401 VIRGINIA WAY
Mailing City,St,Zip: BRENTWOOD, TN 37027
Gen County: Santa Cruz
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0105
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

envid: S118228327
Year: 2014
GEPAID: CAC002795075
Contact: 580 AUTO CENTER DR, LLC
Telephone: 8314603327
Mailing Name: Not reported
Mailing Address: 400 BEACH ST
Mailing City,St,Zip: SANTA CRUZ, CA 95060
Gen County: Santa Cruz
TSD EPA ID: CAL000190080
TSD County: San Joaquin
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.38
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

D13 **TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE** **CERS HAZ WASTE** **S121776435**
NNE **580 AUTO CENTER DR** **CERS** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
0.149 mi.
787 ft. **Site 2 of 3 in cluster D**

Relative:
Higher

Actual:
45 ft.

CERS HAZ WASTE:
Site ID: 404220
CERS ID: 10650718
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 404220
Site Name: Tractor Supply Company Store #1955- Watsonville
Violation Date: 02-13-2017
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.

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Violation Notes: CERS submittals are due every 12 months. Last submittal was on 1/08/2016. Please log onto CERS, verify information, and submit all sections.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
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: 01-21-2016
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: 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: 02-13-2017
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: 07-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual Site Inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-05-2018
Violations Found: No
Eval Type: Routine done by local agency

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Eval Notes:	TSC Inspection done with paper.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	404220
Site Name:	Tractor Supply Company Store #1955- Watsonville
Site Address:	580 AUTO CENTER DR
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	02-13-2017
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:	404220
Facility Name:	Tractor Supply Company Store #1955- Watsonville
Env Int Type Code:	HMBP
Program ID:	10650718
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.917870
Longitude:	-121.767820

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:	Joe Scholl
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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Joe Scholl
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Affiliation Country:	Not reported
Affiliation Zip:	37027
Affiliation Phone:	(615) 440-4307
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37027
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Joe Scholl
Entity Title:	Manager, Safety & Environmental Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	TRACTOR SUPPLY COMPANY
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37027
Affiliation Phone:	(615) 440-4000
Affiliation Type Desc:	Operator
Entity Name:	TRACTOR SUPPLY 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:	(615) 440-4000
Affiliation Type Desc:	Parent Corporation
Entity Name:	TRACTOR SUPPLY 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:	Not reported

CERS TANKS:

Site ID:	404220

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

CERS ID: 10650718
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 404220
Site Name: Tractor Supply Company Store #1955- Watsonville
Violation Date: 02-13-2017
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: CERS submittals are due every 12 months. Last submittal was on 1/08/2016. Please log onto CERS, verify information, and submit all sections.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
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: 01-21-2016
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: 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: 02-13-2017
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

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Eval Date:	07-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Annual Site Inspection.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	TSC Inspection done with paper.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	404220
Site Name:	Tractor Supply Company Store #1955- Watsonville
Site Address:	580 AUTO CENTER DR
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	02-13-2017
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:	404220
Facility Name:	Tractor Supply Company Store #1955- Watsonville
Env Int Type Code:	HMBP
Program ID:	10650718
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.917870
Longitude:	-121.767820

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:	Joe Scholl
Entity Title:	Not reported
Affiliation Address:	Not reported

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joe Scholl
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37027
Affiliation Phone:	(615) 440-4307
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37027
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Joe Scholl
Entity Title:	Manager, Safety & Environmental Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	TRACTOR SUPPLY COMPANY
Entity Title:	Not reported
Affiliation Address:	5401 Virginia Way
Affiliation City:	Brentwood
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37027
Affiliation Phone:	(615) 440-4000
Affiliation Type Desc:	Operator
Entity Name:	TRACTOR SUPPLY 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:	(615) 440-4000
Affiliation Type Desc:	Parent Corporation

TRACTOR SUPPLY COMPANY STORE #1955- WATSONVILLE (Continued) **S121776435**

Entity Name:	TRACTOR SUPPLY 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:	Not reported

E14 **NEW WEST FOODS** **LUST** **S102434339**
South **841 WALKER ST** **HIST CORTESE** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076** **CIWQS**
0.188 mi. **CERS**
994 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
25 ft.

LUST:

Lead Agency:	SANTA CRUZ COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700203
Global Id:	T0608700203
Latitude:	36.911456
Longitude:	-121.767639
Status:	Completed - Case Closed
Status Date:	04/27/1988
Case Worker:	Not reported
RB Case Number:	472
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:	T0608700203
Action Type:	Other
Date:	11/09/1987
Action:	Leak Reported
Global Id:	T0608700203
Action Type:	Other
Date:	11/06/1987
Action:	Leak Discovery
Global Id:	T0608700203
Action Type:	Other
Date:	11/06/1987
Action:	Leak Stopped

LUST:

Global Id:	T0608700203
Status:	Open - Case Begin Date
Status Date:	11/06/1987
Global Id:	T0608700203
Status:	Open - Remediation
Status Date:	11/12/1987

NEW WEST FOODS (Continued) **S102434339**

Global Id: T0608700203
Status: Open - Site Assessment
Status Date: 01/07/1988

Global Id: T0608700203
Status: Completed - Case Closed
Status Date: 04/27/1988

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700203
Status: Case Closed
Case Number: 472
Local Case Num: Not reported
Case Type: S
Substance: Gasoline
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: Tank Closure
Release Date: 11/09/1987
Discovered Date: 11/6/87
Enter Date: 11/20/1987
Stop Date: 11/6/87
Review Date: 04/27/1988
Enforce Date: Not reported
Close Date: 4/27/88
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: FORD/HARKINS SLOUGH
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 01/07/1988
Remedial Plan: 11/12/87
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: 36.9119211 / -121.7679158

NEW WEST FOODS (Continued) **S102434339**

Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 02
Distance From Well: 0
Assigned Name: 12S/02E-08A02 M
Summary: G/W LEVEL SUSPECTED @ APPROX. 17'-20'. CONT SOIL REMOVED & DISPOSED OF TO DEPTH OF 15' BELOW GROUND SURFACE. PAVING OF SITE RECOMMENDED. ONCE PAVED, BARRING UNFORSEEN CIRCUMSTANCES, CASE TO BE CLOSED.

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 472

CIWQS:
Agency: New West Foods
Agency Address: PO Box 1315, Watsonville, CA 95077
Place/Project Type: Industrial - Trucking, Except Local
SIC/NAICS: 4213
Region: 3
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 3 44I009683
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 01/08/1993
Termination Date: 01/29/2002
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: 36.91157
Longitude: -121.76725

CERS TANKS:
Site ID: 224692
CERS ID: T0608700203
CERS Description: Leaking Underground Storage Tank Cleanup Site

D15
NNE
1/8-1/4
0.194 mi.
1024 ft.

Relative: Higher

Actual: 52 ft.

MARTY FRANICH LINC MERC
555 ARTHUR RD
WATSONVILLE, CA 95076

Site 3 of 3 in cluster D

RCRA-SQG **1000423147**
LUST **CAD982020612**
SWEEPS UST
HIST UST
CA FID UST
FINDS
ECHO

RCRA-SQG:

Date form received by agency:	07/02/1992
Facility name:	MARTY FRANICH LINC MERC
Facility address:	555 ARTHUR RD WATSONVILLE, CA 95076
EPA ID:	CAD982020612
Contact:	ROY BARNEY
Contact address:	555 ARTHUR RD WATSONVILLE, CA 95076
Contact country:	US
Contact telephone:	408-724-2463
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ROCKY FRANICH AND BOB CULBERTSON
Owner/operator address:	555 ARTHUR RD WATSONVILLE, CA 95076
Owner/operator country:	Not reported
Owner/operator telephone:	408-724-2463
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

MARTY FRANICH LINC MERC (Continued) **1000423147**

Violation Status: No violations found

LUST:

Lead Agency:	CENTRAL COAST RWQCB (REGION 3)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700172
Global Id:	T0608700172
Latitude:	36.9192494657447
Longitude:	-121.766387805418
Status:	Completed - Case Closed
Status Date:	12/21/2016
Case Worker:	WNL
RB Case Number:	3072
Local Agency:	SANTA CRUZ COUNTY
File Location:	Regional Board
Local Case Number:	RO0000058
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Marty Franich Chrysler Dodge Jeep is an automobile dealership situated in a commercial area on Auto Center Drive in Watsonville, California. In July 1999, a 1,000-gallon underground storage tank (UST), associated piping, and fuel-dispensing pump were removed from the site. Carson Geologic and Environmental, Inc. (CG&E) documented the removal and disposal of approximately 611 tons of petroleum hydrocarbon (hydrocarbon)-impacted soil from the area around the former UST in September 2000. Soil and groundwater investigations overseen by CG&E generally defined the extent of hydrocarbons in soil, and categorized groundwater into two separate zones, both degraded by hydrocarbons: an upper A-Zone where groundwater was found at an average depth of approximately 16 to 20 feet below the ground surface (bgs), and a lower B-Zone where groundwater was found at an average depth of approximately 50 feet bgs. WHA's site assessment work in the first quarter 2006 defined the extent of groundwater degraded by hydrocarbons. WHA's review of the A-Zone hydrogeologic data, including the variability and steepness of the gradient and slow well recharge rate, lead them to conclude the A-Zone is not a continuous water-bearing unit.

LUST:

Global Id:	T0608700172
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

Global Id:	T0608700172
Contact Type:	Regional Board Caseworker
Contact Name:	WEI LIU
Organization Name:	CENTRAL COAST RWQCB (REGION 3)
Address:	895 AEROVISTA PLACE, SUITE 101
City:	SAN LUIS OBISPO
Email:	wei.liu@waterboards.ca.gov
Phone Number:	8055493147

MARTY FRANICH LINC MERC (Continued) **1000423147**

LUST:

Global Id:	T0608700172
Action Type:	ENFORCEMENT
Date:	05/05/2009
Action:	File review
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	06/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	12/20/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	12/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	07/20/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	10/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608700172
Action Type:	ENFORCEMENT
Date:	12/03/2014
Action:	13267 Requirement
Global Id:	T0608700172
Action Type:	RESPONSE
Date:	07/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608700172
Action Type:	ENFORCEMENT
Date:	08/19/2004
Action:	Staff Letter
Global Id:	T0608700172
Action Type:	ENFORCEMENT
Date:	03/30/2000
Action:	Staff Letter
Global Id:	T0608700172
Action Type:	ENFORCEMENT
Date:	05/08/2000
Action:	Staff Letter
Global Id:	T0608700172

MARTY FRANICH LINC MERC (Continued) **1000423147**

Action Type: ENFORCEMENT
Date: 11/18/1999
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/25/1999
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/23/2010
Action: Site Visit / Inspection / Sampling

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 12/23/2008
Action: File review

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/10/2015
Action: Well Installation Report

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 07/22/2013
Action: Referral to Local Agency

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/02/2009
Action: 13267 Monitoring Program

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 01/18/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/19/2004
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 09/01/2001
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/13/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 12/23/2008

MARTY FRANICH LINC MERC (Continued) **1000423147**

Action: File review

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 11/04/2005
Action: Staff Letter

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2007
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/07/2006
Action: Other Report / Document

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/15/2002
Action: Other Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/31/2015
Action: Remedial Progress Report - Regulator Responded

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/05/2014
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/09/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/31/2016
Action: Well Destruction Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 01/14/2005
Action: Staff Letter

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/14/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/28/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/19/2009
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 09/15/2000
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE

MARTY FRANICH LINC MERC (Continued) **1000423147**

Date: 04/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/30/2004
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/26/2004
Action: Well Installation Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/04/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/30/2004
Action: Well Installation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 02/08/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/16/2001
Action: Soil and Water Investigation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 09/15/2000
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 03/27/2002
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 08/11/1999
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/03/1999
Action: Preliminary Site Assessment Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/05/2000
Action: Well Installation Workplan

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/29/2001
Action: Soil and Water Investigation Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/13/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/07/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/07/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/18/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/19/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 09/13/2002
Action: Correspondence

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/07/2003
Action: Well Installation Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/18/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/28/1999
Action: Tank Removal Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/17/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE

MARTY FRANICH LINC MERC (Continued) **1000423147**

Date: 08/04/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/11/2001
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 02/28/2000
Action: Preliminary Site Assessment Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/27/2000
Action: Well Installation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/15/2000
Action: Other Report / Document

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/17/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 09/27/2003
Action: Well Installation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 03/30/2016
Action: Other Report / Document

Global Id: T0608700172
Action Type: RESPONSE
Date: 06/10/2014
Action: Soil and Water Investigation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 08/29/2013
Action: Other Workplan - Regulator Responded

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/30/2013
Action: Other Workplan - Regulator Responded

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Action Type: REMEDIATION
Date: 01/18/2011
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0608700172
Action Type: RESPONSE
Date: 02/26/2014
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 07/17/2000
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 07/20/2000
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 10/24/2003
Action: Staff Letter

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 11/04/2005
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 10/21/2003
Action: 13267 Monitoring Program

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 10/20/2003
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 06/10/2003
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 01/14/2005
Action: Staff Letter

Global Id: T0608700172
Action Type: RESPONSE

MARTY FRANICH LINC MERC (Continued) **1000423147**

Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2003
Action: Well Installation Report

Global Id: T0608700172
Action Type: Other
Date: 09/02/1999
Action: Leak Reported

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 01/02/2001
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/05/2001
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/03/2001
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/03/2001
Action: Staff Letter

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/14/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 10/01/2003
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 09/09/2013
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 12/19/2001
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 09/05/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 05/29/2003
Action: Staff Letter

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 05/09/2016
Action: Notification - Public Notice of Case Closure

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2006
Action: Other Report / Document

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: Other

MARTY FRANICH LINC MERC (Continued) **1000423147**

Date: 04/27/1999
Action: Leak Discovery

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 03/19/2007
Action: * No Action

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 01/01/2005
Action: Soil and Water Investigation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 07/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: RESPONSE
Date: 05/01/2015
Action: Email Correspondence

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 05/27/2009
Action: Technical Correspondence / Assistance / Other

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/07/2014
Action: 13267 Requirement

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 10/29/2009
Action: 13267 Requirement

Global Id: T0608700172
Action Type: RESPONSE
Date: 09/16/2002
Action: Other Report / Document

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 06/26/2015
Action: Referral to Regional Board

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 06/30/2016
Action: 13267 Requirement

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 12/22/2016
Action: Closure/No Further Action Letter

Global Id: T0608700172
Action Type: RESPONSE
Date: 02/29/2012
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0608700172
Action Type: RESPONSE
Date: 11/05/2014
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2014
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 09/02/1999
Action: Unauthorized Release Form

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 09/29/2000
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT

MARTY FRANICH LINC MERC (Continued) **1000423147**

Date: 02/13/2002
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 02/14/2002
Action: Letter - Notice

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 06/26/2000
Action: Staff Letter

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 08/30/2013
Action: 13267 Requirement

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2005
Action: Soil and Water Investigation Workplan

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700172
Action Type: ENFORCEMENT
Date: 03/05/2014
Action: 13267 Requirement

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/20/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0608700172
Action Type: RESPONSE
Date: 10/05/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0608700172
Action Type: RESPONSE
Date: 12/21/2007
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0608700172
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700172
Status: Open - Case Begin Date
Status Date: 04/27/1999

MARTY FRANICH LINC MERC (Continued) **1000423147**

Global Id: T0608700172
Status: Open - Site Assessment
Status Date: 07/27/1999

Global Id: T0608700172
Status: Open - Verification Monitoring
Status Date: 07/21/2003

Global Id: T0608700172
Status: Open - Site Assessment
Status Date: 08/18/2004

Global Id: T0608700172
Status: Open - Site Assessment
Status Date: 07/18/2005

Global Id: T0608700172
Status: Open - Remediation
Status Date: 01/22/2008

Global Id: T0608700172
Status: Open - Remediation
Status Date: 02/15/2008

Global Id: T0608700172
Status: Open - Site Assessment
Status Date: 02/20/2014

Global Id: T0608700172
Status: Open - Remediation
Status Date: 12/03/2014

Global Id: T0608700172
Status: Open - Eligible for Closure
Status Date: 12/10/2015

Global Id: T0608700172
Status: Completed - Case Closed
Status Date: 12/21/2016

SWEEPS UST:
Status: Active
Comp Number: 67692
Number: 9
Board Of Equalization: 44-027230
Referral Date: 04-29-93
Action Date: 04-29-93
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 44-052-067692-000001
Tank Status: A
Capacity: 1000
Active Date: 04-29-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

MARTY FRANICH LINC MERC (Continued) **1000423147**

Number Of Tanks: 1

HIST UST:

File Number:	00020C19
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C19.pdf
Region:	STATE
Facility ID:	00000067692
Facility Type:	Other
Other Type:	AUTO DEALER
Contact Name:	DEALER
Telephone:	4087242463
Owner Name:	MARTY FRANICH
Owner Address:	555 ARTHUR RD.
Owner City,St,Zip:	WATSONVILLE, CA 95076
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	44000821
Regulated By:	UTNKA
Regulated ID:	00067692
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4087242463
Mail To:	Not reported
Mailing Address:	PO BOX 391
Mailing Address 2:	Not reported
Mailing City,St,Zip:	WATSONVILLE 95076
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

MARTY FRANICH LINC MERC (Continued) **1000423147**

FINDS:

Registry ID: 110002778352

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: 1000423147
Registry ID: 110002778352
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002778352

E16 **MOYER PRODUCTS INC** **RCRA-SQG** **1000211161**
SSE **834 WALKER** **LUST** **CAD990802860**
1/8-1/4 **WATSONVILLE, CA 95076** **HIST UST**
0.205 mi. **FINDS**
1081 ft. **Site 2 of 3 in cluster E** **ECHO**
HIST CORTESE
Relative: Higher **CERS**

Actual: 30 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MOYER PRODUCTS INC
Facility address: 834 WALKER
WATSONVILLE, CA 95076
EPA ID: CAD990802860
Mailing address: WALKER
WATSONVILLE, CA 95076
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MOYER CHEMICAL COMPANY CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

MOYER PRODUCTS INC (Continued) **1000211161**

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Lead Agency: SANTA CRUZ COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700216
Global Id: T0608700216
Latitude: 36.911988
Longitude: -121.767012
Status: Completed - Case Closed
Status Date: 10/24/1986
Case Worker: Not reported
RB Case Number: 485
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

MOYER PRODUCTS INC (Continued) **1000211161**

Site History: Not reported

LUST:
Global Id: T0608700216
Action Type: Other
Date: 09/16/1986
Action: Leak Discovery

Global Id: T0608700216
Action Type: Other
Date: 01/01/1988
Action: Leak Reported

LUST:
Global Id: T0608700216
Status: Open - Case Begin Date
Status Date: 09/16/1986

Global Id: T0608700216
Status: Completed - Case Closed
Status Date: 10/24/1986

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700216
Status: Case Closed
Case Number: 485
Local Case Num: Not reported
Case Type: S
Substance: Regular Gasoline
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: Tank Closure
Release Date: 01/01/1988
Discovered Date: 9/16/86
Enter Date: 12/31/1986
Stop Date: Not reported
Review Date: 10/29/1986
Enforce Date: Not reported
Close Date: 10/24/86
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: FORD
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported

MOYER PRODUCTS INC (Continued) **1000211161**

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: 36.9119501 / -121.7675348
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 02
Distance From Well: 0
Assigned Name: 12S/02E-08A02 M
Summary: SOIL SAMPLES TAKEN ON 9/16/86: 2600 PPM TPH. WATSONVILLE FIRE DEPT. CONSIDERS IT A CLEAN HOLE AND HAVE AUTHORIZED BACKFILL WITH CLEAN SOIL. CONSIDERED CLOSED OTHER THAN TRACKING THE REMOVED CONT. SOIL.

HIST UST:
File Number: 00020C32
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C32.pdf
Region: STATE
Facility ID: 00000004624
Facility Type: Other
Other Type: PESTICIDES
Contact Name: WATSONVILLE BRANCH
Telephone: 4087222683
Owner Name: MOYER CHEMICAL COMPANY
Owner Address: 1540 E. SHAW AVENUE, #101
Owner City,St,Zip: FRESNO, CA 93710
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 001

MOYER PRODUCTS INC (Continued) **1000211161**

Container Num: 1
Year Installed: 1980
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002903840

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: 1000211161
Registry ID: 110002903840
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002903840

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 485

MOYER PRODUCTS INC (Continued) **1000211161**

CERS TANKS:
Site ID: 215901
CERS ID: T0608700216
CERS Description: Leaking Underground Storage Tank Cleanup Site

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F17 **MARTY FRANICH FORD/LINCOLN MERCURY** **AST** **A100338495**
NNE **550 AUTO CENTER** **N/A**
1/8-1/4 **WATSONVILLE, CA**
0.214 mi.
1130 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
70 ft.

AST:
Certified Unified Program Agencies: Santa Cruz
Owner: STEVEN FRANICH
Total Gallons: 1,700
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
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

F18 **MARTY FRANICH FORD** **RCRA-SQG** **1000840781**
NNE **550 ARTHUR RD** **AST** **CAD089960116**
1/8-1/4 **WATSONVILLE, CA 95076** **SWEEPS UST**
0.220 mi. **HIST UST**
1159 ft. **Site 2 of 3 in cluster F** **CA FID UST**
FINDS

Relative:
Higher

Actual:
61 ft.

ECHO
CUPA Listings
HAZNET
CERS HAZ WASTE
CERS TANKS
CERS

RCRA-SQG:
Date form received by agency: 04/17/1992
Facility name: MARTY FRANICH FORD

MARTY FRANICH FORD (Continued) **1000840781**

Facility address: 550 ARTHUR RD
WATSONVILLE, CA 95076
EPA ID: CAD089960116
Contact: SCOTT STANSBERRY
Contact address: 550 ARTHUR RD
WATSONVILLE, CA 95076
Contact country: US
Contact telephone: 408-722-4181
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MARTY FRANICH
Owner/operator address: 550 ARTHUR RD
WATSONVILLE, CA 95076
Owner/operator country: Not reported
Owner/operator telephone: 408-722-4181
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

MARTY FRANICH FORD (Continued) **1000840781**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AST:
Certified Unified Program Agencies: Not reported
Owner: 1 GO, LLC
Total Gallons: Not reported
CERSID: 10193011
Facility ID: Not reported
Business Name: Mid Bay Ford
Phone: (831) 722-4181
Fax: Not reported
Mailing Address: 550 AUTO CENTER DR
Mailing Address City: WATSONVILLE
Mailing Address State: CA
Mailing Address Zip Code: 95076
Operator Name: MID BAY FORD LINCOLN
Operator Phone: (831) 722-4181
Owner Phone: (831) 728-3584
Owner Mail Address: 550 AUTO CENTER DR
Owner State: CA
Owner Zip Code: 95076
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: CAL000415358

SWEEPS UST:
Status: Active
Comp Number: 9573
Number: 9
Board Of Equalization: 44-027199
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 44-052-009573-000002
Tank Status: A
Capacity: 1000
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
File Number: 00020C1A
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C1A.pdf

MARTY FRANICH FORD (Continued) **1000840781**

Region:	STATE
Facility ID:	00000009573
Facility Type:	Other
Other Type:	AUTO DEALER
Contact Name:	ROCKY FRANICH
Telephone:	4087224181
Owner Name:	MARTY FRANICH FORD
Owner Address:	550 ARTHUR RD
Owner City,St,Zip:	WATSONVILLE, CA 95076
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003

MARTY FRANICH FORD (Continued) **1000840781**

Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	44000807
Regulated By:	UTNKA
Regulated ID:	00009573
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4087224181
Mail To:	Not reported
Mailing Address:	PO BOX 391
Mailing Address 2:	Not reported
Mailing City,St,Zip:	WATSONVILLE 95076
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: 110002663252

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:	1000840781
Registry ID:	110002663252
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002663252

MARTY FRANICH FORD (Continued) **1000840781**

CUPA SANTA CRUZ:
Facility Id: FA0003292
Cross Street: MARIN ST
Description: HMMP STANDARD FORM QR 3

Facility Id: FA0003292
Cross Street: MARIN ST
Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0003292
Cross Street: MARIN ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Facility Id: FA0003292
Cross Street: MARIN ST
Description: ABOVEGROUND PETROLEUM STORAGE-SPCC FACILITY

Facility Id: FA0003292
Cross Street: MARIN ST
Description: HMMP STANDARD FORM QR 2

HAZNET:
envid: 1000840781
Year: 2016
GEPAID: CAL000415358
Contact: DEBBIE ROBERTS
Telephone: 8317224181
Mailing Name: Not reported
Mailing Address: 550 AUTO CENTER DR
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.15
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Santa Cruz

envid: 1000840781
Year: 2016
GEPAID: CAL000415358
Contact: DEBBIE ROBERTS
Telephone: 8317224181
Mailing Name: Not reported
Mailing Address: 550 AUTO CENTER DR
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05
Cat Decode: Other organic solids

MARTY FRANICH FORD (Continued) **1000840781**

Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Santa Cruz

CERS HAZ WASTE:
Site ID: 46943
CERS ID: 10193011
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 46943
Site Name: MID BAY FORD LINCOLN
Violation Date: 03-21-2016
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 03/29/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: New owner as of 02/24/2016.
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: HW
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: Annual site inspection.
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: SPCC dated 07-2015.
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA

MARTY FRANICH FORD (Continued) **1000840781**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2013
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: 09-12-2013
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: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
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: 12-22-2015
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

MARTY FRANICH FORD (Continued) **1000840781**

Enforcement Action:

Site ID:	46943
Site Name:	MID BAY FORD LINCOLN
Site Address:	550 AUTO CENTER DR
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	03-21-2016
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:	46943
Facility Name:	MID BAY FORD LINCOLN
Env Int Type Code:	HWG
Program ID:	10193011
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.918720
Longitude:	-121.768280

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:	Timothy Caley, Western EHS Service 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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHUCK DAWSON
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-4181

Affiliation Type Desc:	Facility Mailing Address

MARTY FRANICH FORD (Continued) **1000840781**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	CHUCK DAWSON
Entity Title:	SERVICE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	1 GO, LLC
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 728-3584
Affiliation Type Desc:	Operator
Entity Name:	MID BAY FORD LINCOLN
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) 722-4181
Affiliation Type Desc:	Parent Corporation
Entity Name:	Mid Bay Ford
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:	Not reported

CERS TANKS:

Site ID:	46943
CERS ID:	10193011
CERS Description:	Aboveground Petroleum Storage

Violations:

Site ID:	46943

MARTY FRANICH FORD (Continued) **1000840781**

Site Name: MID BAY FORD LINCOLN
Violation Date: 03-21-2016
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 03/29/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: New owner as of 02/24/2016.
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: HW
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: Annual site inspection.
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: SPCC dated 07-2015.
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

MARTY FRANICH FORD (Continued) **1000840781**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2013
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: 09-12-2013
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: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
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: 12-22-2015
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

Enforcement Action:
Site ID: 46943
Site Name: MID BAY FORD LINCOLN
Site Address: 550 AUTO CENTER DR
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 03-21-2016
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

MARTY FRANICH FORD (Continued) **1000840781**

Enf Action Source: CERS

Coordinates:
Site ID: 46943
Facility Name: MID BAY FORD LINCOLN
Env Int Type Code: HWG
Program ID: 10193011
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.918720
Longitude: -121.768280

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: Timothy Caley, Western EHS Service 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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: CHUCK DAWSON
Entity Title: Not reported
Affiliation Address: 550 AUTO CENTER DRIVE
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4181

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 550 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: CHUCK DAWSON
Entity Title: SERVICE MANAGER

MARTY FRANICH FORD (Continued) **1000840781**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: 1 GO, LLC
Entity Title: Not reported
Affiliation Address: 550 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 728-3584

Affiliation Type Desc: Operator
Entity Name: MID BAY FORD LINCOLN
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) 722-4181

Affiliation Type Desc: Parent Corporation
Entity Name: Mid Bay Ford
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: Not reported

CERS TANKS:
Site ID: 46943
CERS ID: 10193011
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 46943
Site Name: MID BAY FORD LINCOLN
Violation Date: 03-21-2016
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 03/29/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

MARTY FRANICH FORD (Continued) **1000840781**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	New owner as of 02/24/2016.
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:	HW
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:	Annual site inspection.
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:	SPCC dated 07-2015.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2013
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:	09-12-2013

MARTY FRANICH FORD (Continued) **1000840781**

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: 12-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2015
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: 12-22-2015
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

Enforcement Action:
Site ID: 46943
Site Name: MID BAY FORD LINCOLN
Site Address: 550 AUTO CENTER DR
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 03-21-2016
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: 46943
Facility Name: MID BAY FORD LINCOLN
Env Int Type Code: HWG
Program ID: 10193011
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.918720

MARTY FRANICH FORD (Continued) **1000840781**

Longitude: -121.768280

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:	Timothy Caley, Western EHS Service 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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHUCK DAWSON
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-4181

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	CHUCK DAWSON
Entity Title:	SERVICE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	1 GO, LLC
Entity Title:	Not reported
Affiliation Address:	550 AUTO CENTER DR

MARTY FRANICH FORD (Continued) **1000840781**

Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 728-3584
Affiliation Type Desc:	Operator
Entity Name:	MID BAY FORD LINCOLN
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) 722-4181
Affiliation Type Desc:	Parent Corporation
Entity Name:	Mid Bay Ford
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:	Not reported

E19 **CALPINE MONTEREY COGENERATION INC** **AST** **A100215173**
South **831 WALKER** **N/A**
1/8-1/4 **WATSONVILLE, CA**
0.223 mi.
1179 ft. **Site 3 of 3 in cluster E**

Relative: **Higher**

Actual: **29 ft.**

AST:

Certified Unified Program Agencies:	Santa Cruz
Owner:	CALPINE CORPORATION
Total Gallons:	7,220
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
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

CALPINE MONTEREY COGENERATION INC (Continued) **A100215173**

Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

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20 **GEORGE BASSI DISTRIBUTING** **HIST UST** **U001602220**
SSE **240 FORD STREET** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
0.224 mi.
1183 ft.

Relative:
Higher

Actual:
34 ft.

HIST UST:
File Number: 00020BB1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020BB1.pdf
Region: STATE
Facility ID: 00000040470
Facility Type: Other
Other Type: MFG. & TRANS.
Contact Name: ROGER TAHAYER
Telephone: 4087241028
Owner Name: GEORGE BASSI DISTRIBUTING
Owner Address: 836 WALKER STREET
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported

GEORGE BASSI DISTRIBUTING (Continued) **U001602220**

Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1976
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1976
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

F21 **MARTY FRANICH CHRYSLER DODGE J** **LUST** **S104228622**
NNE **555 AUTO CENTER DR** **CUPA Listings** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076** **HAZNET**
0.229 mi. **CERS**
1211 ft. **Site 3 of 3 in cluster F** **CERS HAZ WASTE**

Relative: Higher

Actual: 42 ft.

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700172
Status: Pollution Characterization
Case Number: 3072
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Other

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Leak Source: UNK
Leak Cause: Overfill
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 09/02/1999
Discovered Date: 4/27/99
Enter Date: 10/26/1999
Stop Date: Not reported
Review Date: 09/17/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: BOB CULBERTSON
RP Address: 555 AUTO CENTER DR
Contact: Not reported
Cross Street: MARIN ST
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 7/27/99
Pollution Char: 07/02/2001
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: Not reported
Funding: Not reported
MTBE Class: C
Max MTBE Grnd Wtr: 10.8
Max MTBE Soil: Not reported
Max MTBE Data: 12/18/2001
MTBE Tested: YES
Lat/Long: 36.91631 / -121.7672718
Soil Qualifier: Not reported
Grnd Wtr Qualifier: <
Mtbe Concentratn: 5
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: CITY OF WATSONVILLE
Well Name: WELL 17
Distance From Well: 0
Assigned Name: 12S/02E-05K01 M
Summary: 1000 GAL UST REMOVED 7/24/99; 12/8/99 GW GRAB SAMPLE DETECTED 38000/430/13000 PPB TPHG/B/MTBE. ROUGHLY 611 TONS OF SOURCE AREA SOIL EXCAVATED.

CUPA SANTA CRUZ:
Facility Id: FA0003291
Cross Street: MAIN ST

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0003291
Cross Street: MAIN ST
Description: HMMP STANDARD FORM QR 3

Facility Id: FA0003291
Cross Street: MAIN ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

HAZNET:
envid: S104228622
Year: 2016
GEPAID: CAL000415357
Contact: NOLAN SPARKS
Telephone: 8317242463
Mailing Name: Not reported
Mailing Address: 555 AUTO CENTER DR
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Santa Cruz

envid: S104228622
Year: 2016
GEPAID: CAL000415357
Contact: NOLAN SPARKS
Telephone: 8317242463
Mailing Name: Not reported
Mailing Address: 555 AUTO CENTER DR
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.153
Cat Decode: Unspecified organic liquid mixture
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Santa Cruz

envid: S104228622
Year: 2016
GEPAID: CAL000415357
Contact: NOLAN SPARKS
Telephone: 8317242463
Mailing Name: Not reported

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Mailing Address: 555 AUTO CENTER DR
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1251
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Santa Cruz

CERS TANKS:
Site ID: 133249
CERS ID: 10193002
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Site inspection. New owner as of 02/24/2016.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2017
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: 04-26-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annaul site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
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

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Eval Date: 07-23-2013
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: 12-01-2015
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: 12-01-2015
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

Coordinates:
Site ID: 133249
Facility Name: MONTEREY BAY CHRYSLER JEEP
Env Int Type Code: HWG
Program ID: 10193002
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919180
Longitude: -121.766570

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: Timothy Caley, Western EHS Service 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: Not reported

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Affiliation Type Desc:	Environmental Contact
Entity Name:	JOSH LARSON
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 724-2463

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	JOSH LARSON
Entity Title:	PARTS & SERVICE DIRECTOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	TWO GO, LLC
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 724-2463

Affiliation Type Desc:	Operator
Entity Name:	MONTEREY BAY CHRYSLER JEEP
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) 724-2463

Affiliation Type Desc:	Parent Corporation
Entity Name:	Monterey Bay Chrysler Dodge Jeep Ram
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 247386
CERS ID: T0608700172
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: Not reported

Affiliation Type Desc: Regional Board Caseworker
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

CERS HAZ WASTE:
Site ID: 133249
CERS ID: 10193002
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Site inspection. New owner as of 02/24/2016.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2017
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: 04-26-2017
Violations Found: No
Eval Type: Routine done by local agency

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Eval Notes:	Annaul site inspection.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
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:	07-23-2013
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:	12-01-2015
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:	12-01-2015
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

Coordinates:

Site ID:	133249
Facility Name:	MONTEREY BAY CHRYSLER JEEP
Env Int Type Code:	HWG
Program ID:	10193002
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.919180
Longitude:	-121.766570

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Cruz County Environmental Health
Entity Title:	Not reported
Affiliation Address:	701 Ocean Boulevard, Suite 312

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

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:	Timothy Caley, Western EHS Service 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:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOSH LARSON
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 724-2463
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	JOSH LARSON
Entity Title:	PARTS & SERVICE DIRECTOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	TWO GO, LLC
Entity Title:	Not reported
Affiliation Address:	555 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 724-2463
Affiliation Type Desc:	Operator

MARTY FRANICH CHRYSLER DODGE J (Continued) **S104228622**

Entity Name:	MONTEREY BAY CHRYSLER JEEP
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) 724-2463
Affiliation Type Desc:	Parent Corporation
Entity Name:	Monterey Bay Chrysler Dodge Jeep Ram
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:	Not reported

G22 **OIL CAN HENRYS** **AST** **A100338162**
West **1409 MAIN** **N/A**
1/8-1/4 **WATSONVILLE, CA**
0.233 mi.
1230 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
40 ft.

AST:

Certified Unified Program Agencies:	Santa Cruz
Owner:	ALLEN BROTHERS OIL INC
Total Gallons:	2,915
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
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

G23 **OIL CAN HENRYS** **AST** **S108197255**
West **1409 MAIN ST** **CUPA Listings** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076** **CERS TANKS**
0.233 mi. **CERS**
1230 ft. **Site 2 of 2 in cluster G** **CERS HAZ WASTE**

Relative:
Higher

Actual:
40 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	ALLEN BROTHERS OIL INC
Total Gallons:	Not reported
CERSID:	10193623
Facility ID:	Not reported
Business Name:	OIL CAN HENRYS
Phone:	(831) 763-9558
Fax:	Not reported
Mailing Address:	PO BOX 1630
Mailing Address City:	WATSONVILLE
Mailing Address State:	CA
Mailing Address Zip Code:	95077
Operator Name:	SCOTT ALLEN
Operator Phone:	(831) 320-5792
Owner Phone:	(831) 320-5792
Owner Mail Address:	PO BOX 1630
Owner State:	CA
Owner Zip Code:	95077
Owner Country:	United States
Property Owner Name:	allenbrothers real estate
Property Owner Phone:	831-320-5792
Property Owner Mailing Address:	po box 1630
Property Owner City:	watsonville
Property Owner Stat :	CA
Property Owner Zip Code:	95077
Property Owner Country:	United States
EPAID:	Not reported

CUPA SANTA CRUZ:

Facility Id:	FA0004342
Cross Street:	PENNSYLVANIA
Description:	HMMP STANDARD FORM FILING FEE

Facility Id:	FA0004342
Cross Street:	PENNSYLVANIA
Description:	HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Facility Id:	FA0004342
Cross Street:	PENNSYLVANIA
Description:	ABOVEGROUND PETROLEUM STORAGE-SPCC FACILITY

Facility Id:	FA0004342
Cross Street:	PENNSYLVANIA
Description:	HMMP STANDARD FORM QR 2

Facility Id:	FA0004342
Cross Street:	PENNSYLVANIA
Description:	HMMP STANDARD FORM QR 3

CERS TANKS:

Site ID:	53531

OIL CAN HENRYS (Continued) **S108197255**

CERS ID: 10193623
CERS Description: Aboveground Petroleum Storage

Violations:
Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 09-03-2013
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes: Returned to compliance on 11/07/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 11/09/2016. OBSERVATION: Failure to submit an annual Tank Facility Statement or Business Plan. CORRECTIVE ACTION: Submit a Tank Facility Statement or Business Plan to the California Environmental Reporting System (CERS) within 30 days of this report.
Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 03-05-2018
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 05/18/2018. Observed a one quart oil container in the outside garbage bin that still had more than 1/2 a cup of oil remaining in it. Oil containers must be "California Empty" (not one drop should come out when inverted) before discarding in the trash. Obtain something that will allow you to completely drain each oil container before discarding it in the trash. Remove all small oil containers from garbage and empty each one before you rediscard them in garbage.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
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

OIL CAN HENRYS (Continued) **S108197255**

hazardous material.

Violation Notes: Returned to compliance on 11/09/2016. OBSERVATION: The Emergency Response plan and procedures submitted to the CUPA did not include an Earthquake Vulnerability section. When accepting the September 8, 2015, California Environmental Reporting System (CERS) submittal on September 16, 2015, our agency stated the following: "The Emergency Response plan uploaded for this submittal is an outdated form lacking required information or detail. You will need to complete and submit the information on the current form. Follow the 'Consolidated Emergency Response/Contingency Plan template' link on the CERS 'Emergency Response/Training Plans' tab to access an electronic version of the correct form then resubmit the completed form." Or you can find this form on our agency's website at: http://scceh.com/Portals/6/Env_Health/hazardous_materials/ContingencyPlan.pdf. A hard copy of the form was also provided during the inspection. CORRECTIVE ACTION: Revise the emergency response plan and procedures to include all required and [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
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 and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/09/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. The current submittal in the California Environmental Reporting System (CERS) was submitted on September 8, 2015, over a year ago. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in CERS within 30 days of this report.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Release/Leaks/Spills - General
Violation Notes: OBSERVATION: A PVC pipe was installed which goes from the waste oil tank below grad to a coupling port above grade so the hazardous waste hauler can easily remove used oil from the waste oil tank. A absorbent pad was placed on the floor below and around the coupling port to catch oil that spills when the waste hauler decouples from the PVC pipe. However, evidence of oil on the outside of the PVC pipe below grade was observed. This indicates used oil is leaking from above grade through the floor to the basement area. An alternate procedure(s) (e.g., a bucket to catch used oil spills at the PVC coupling port) should be developed and the open space between the floor and the PVC pipe should be properly sealed. CORRECTIVE ACTION:

OIL CAN HENRYS (Continued) **S108197255**

	Properly seal the open space between the floor and the used oil PVC pipe. Develop an alternative procedure to capture used oil spills when the waste hauler decouples from the PVC pipe coupling device. Our agency also recommends including these [Truncated]
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
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 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:	OBSERVATION: The waste oil tank does not have a label on it. The label is above grade on the wall by the PVC used oil port the waste hauler uses to pump out used oil from the waste oil tank. 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. Although it may be more convenient for the waste hauler to have the label above grade on the wall where he/she pumps out the oil, the label must be placed on each tank, even if they are below grade in the basement. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information and provide verification to the CUPA within 30 days of this report.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. The SPCC Plan was last amended/certified on June 5, 2009. CORRECTIVE ACTION: Complete and document the 5 year review and submit verification of proper completion to the CUPA within 30 days of this report.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	03-05-2018
Citation:	HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)

OIL CAN HENRYS (Continued) **S108197255**

Violation Description: Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes: Returned to compliance on 05/18/2018. Observed a one quart oil container in the garbage dumpster that still had more than half a cup of oil in it. Illegal disposal of hazardous waste. This is considered hazardous waste and must be sent to an authorized facility licensed by DTSC (Department of Toxic Substances and Control). All containers of oil must be thoroughly drained before disposing in trash.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 09-03-2013
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to schedule and conduct spill prevention briefings at least once a year.
Violation Notes: Returned to compliance on 11/07/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to observe the management of hazardous materials and/or waste and record keeping and employee training. Training is done yearly. Hazardous waste manifests are kept up and on site. SPCC Plan was reviewed in 2017. Drain all containers of oil completely before discarding in trash. Observed a one quart oil container in the outside garbage that still had more than 1/2 cup of oil remaining in it. All oil containers must be drained until "California Empty" before discarding in trash. Employees must be trained to completely drain all oil containers before discarding.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SPCC Plan was reviewed in 2017 and is complete.
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

OIL CAN HENRYS (Continued) **S108197255**

Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-03-2013
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:	09-03-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-03-2013
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:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000288467. Hazardous wastes were transported by Asbury Environmental Services (AES).

OIL CAN HENRYS (Continued) **S108197255**

Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 03-05-2018
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: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 09-03-2013
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: APSA
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 09-03-2013
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: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: APSA
Enf Action Source: CERS

OIL CAN HENRYS (Continued) **S108197255**

Site ID:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	11-07-2016
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:	HMRRP
Enf Action Source:	CERS

Site ID:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	11-07-2016
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:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	53531
Facility Name:	OIL CAN HENRYS
Env Int Type Code:	HWG
Program ID:	10193623
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.915980
Longitude:	-121.773210

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:	Scott Allen
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:	Not reported

OIL CAN HENRYS (Continued) **S108197255**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Tim Boone
Entity Title:	Not reported
Affiliation Address:	7300 chevron way
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95620
Affiliation Phone:	(510) 714-2421

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1409 main st
Affiliation City:	watsonville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Scott Allen
Entity Title:	OWNER\\PARTNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Allenbrothers Oil Inc.
Entity Title:	Not reported
Affiliation Address:	PO box 3977
Affiliation City:	Salinas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93912
Affiliation Phone:	(831) 320-5792

Affiliation Type Desc:	Operator
Entity Name:	Allenbrothers 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
Affiliation Phone:	(831) 320-5792

Affiliation Type Desc:	Parent Corporation
Entity Name:	oil can henrys
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

OIL CAN HENRYS (Continued) **S108197255**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Allen Brothers Real Estate
Entity Title: Not reported
Affiliation Address: PO box 3977
Affiliation City: salinas
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93912
Affiliation Phone: (831) 320-5792

CERS TANKS:
Site ID: 53531
CERS ID: 10193623
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 09-03-2013
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes: Returned to compliance on 11/07/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 11/09/2016. OBSERVATION: Failure to submit an annual Tank Facility Statement or Business Plan. CORRECTIVE ACTION: Submit a Tank Facility Statement or Business Plan to the California Environmental Reporting System (CERS) within 30 days of this report.
Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 03-05-2018
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 05/18/2018. Observed a one quart oil container in the outside garbage bin that still had more than 1/2 a

OIL CAN HENRYS (Continued) **S108197255**

cup of oil remaining in it. Oil containers must be "California Empty" (not one drop should come out when inverted) before discarding in the trash. Obtain something that will allow you to completely drain each oil container before discarding it in the trash. Remove all small oil containers from garbage and empty each one before you rediscard them in garbage.

Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
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 11/09/2016. OBSERVATION: The Emergency Response plan and procedures submitted to the CUPA did not include an Earthquake Vulnerability section. When accepting the September 8, 2015, California Environmental Reporting System (CERS) submittal on September 16, 2015, our agency stated the following: "The Emergency Response plan uploaded for this submittal is an outdated form lacking required information or detail. You will need to complete and submit the information on the current form. Follow the 'Consolidated Emergency Response/Contingency Plan template' link on the CERS 'Emergency Response/Training Plans' tab to access an electronic version of the correct form then resubmit the completed form." Or you can find this form on our agency's website at: http://scceh.com/Portals/6/Env_Health/hazardous_materials/ContingencyPlan.pdf. A hard copy of the form was also provided during the inspection. CORRECTIVE ACTION: Revise the emergency response plan and procedures to include all required and [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
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 and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/09/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. The current submittal in the California Environmental Reporting System (CERS) was submitted on September 8, 2015, over a year ago. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in CERS within 30 days of this report.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

OIL CAN HENRYS (Continued) **S108197255**

Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Release/Leaks/Spills - General
Violation Notes:	OBSERVATION: A PVC pipe was installed which goes from the waste oil tank below grad to a coupling port above grade so the hazardous waste hauler can easily remove used oil from the waste oil tank. A absorbent pad was placed on the floor below and around the coupling port to catch oil that spills when the waste hauler decouples from the PVC pipe. However, evidence of oil on the outside of the PVC pipe below grade was observed. This indicates used oil is leaking from above grade through the floor to the basement area. An alternate procedure(s) (e.g., a bucket to catch used oil spills at the PVC coupling port) should be developed and the open space between the floor and the PVC pipe should be properly sealed. CORRECTIVE ACTION: Properly seal the open space between the floor and the used oil PVC pipe. Develop an alternative procedure to capture used oil spills when the waste hauler decouples from the PVC pipe coupling device. Our agency also recommends including these [Truncated]
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
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 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:	OBSERVATION: The waste oil tank does not have a label on it. The label is above grade on the wall by the PVC used oil port the waste hauler uses to pump out used oil from the waste oil tank. 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. Although it may be more convenient for the waste hauler to have the label above grade on the wall where he/she pumps out the oil, the label must be placed on each tank, even if they are below grade in the basement. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information and provide verification to the CUPA within 30 days of this report.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)

OIL CAN HENRYS (Continued) **S108197255**

Violation Description:	Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. The SPCC Plan was last amended/certified on June 5, 2009. CORRECTIVE ACTION: Complete and document the 5 year review and submit verification of proper completion to the CUPA within 30 days of this report.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	03-05-2018
Citation:	HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description:	Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes:	Returned to compliance on 05/18/2018. Observed a one quart oil container in the garbage dumpster that still had more than half a cup of oil in it. Illegal disposal of hazardous waste. This is considered hazardous waste and must be sent to an authorized facility licensed by DTSC (Department of Toxic Substances and Control). All containers of oil must be thoroughly drained before disposing in trash.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	09-03-2013
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to schedule and conduct spill prevention briefings at least once a year.
Violation Notes:	Returned to compliance on 11/07/2016.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	APSA
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site today to observe the management of hazardous materials and/or waste and record keeping and employee training. Training is done yearly. Hazardous waste manifests are kept up and on site. SPCC Plan was reviewed in 2017. Drain all containers of oil completely before discarding in trash. Observed a one quart oil container in the outside garbage that still had more than 1/2 cup of oil remaining in it. All oil containers must be drained until "California Empty" before discarding in trash. Employees must be trained to completely drain all oil containers before discarding.
Eval Division:	Santa Cruz County Environmental Health

OIL CAN HENRYS (Continued) **S108197255**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SPCC Plan was reviewed in 2017 and is complete.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-05-2018
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:	09-03-2013
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:	09-03-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-03-2013
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:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS

OIL CAN HENRYS (Continued) **S108197255**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000288467. Hazardous wastes were transported by Asbury Environmental Services (AES).
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	03-05-2018
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:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	09-03-2013
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:	APSA
Enf Action Source:	CERS

Site ID:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	09-03-2013
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

OIL CAN HENRYS (Continued) **S108197255**

Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: APSA
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: HMRRP
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: HW
Enf Action Source: CERS

Coordinates:
Site ID: 53531
Facility Name: OIL CAN HENRYS
Env Int Type Code: HWG
Program ID: 10193623
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.915980
Longitude: -121.773210

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health

OIL CAN HENRYS (Continued) **S108197255**

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:	Scott Allen
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:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Tim Boone
Entity Title:	Not reported
Affiliation Address:	7300 chevron way
Affiliation City:	Dixon
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95620
Affiliation Phone:	(510) 714-2421
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1409 main st
Affiliation City:	watsonville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Scott Allen
Entity Title:	OWNER\\PARTNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Allenbrothers Oil Inc.
Entity Title:	Not reported
Affiliation Address:	PO box 3977
Affiliation City:	Salinas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93912
Affiliation Phone:	(831) 320-5792

OIL CAN HENRYS (Continued) **S108197255**

Affiliation Type Desc:	Operator
Entity Name:	Allenbrothers 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
Affiliation Phone:	(831) 320-5792

Affiliation Type Desc:	Parent Corporation
Entity Name:	oil can henrys
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:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Allen Brothers Real Estate
Entity Title:	Not reported
Affiliation Address:	PO box 3977
Affiliation City:	salinas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93912
Affiliation Phone:	(831) 320-5792

CERS HAZ WASTE:

Site ID:	53531
CERS ID:	10193623
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	09-03-2013
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes:	Returned to compliance on 11/07/2016.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 11/09/2016. OBSERVATION: Failure to submit

OIL CAN HENRYS (Continued) **S108197255**

an annual Tank Facility Statement or Business Plan. CORRECTIVE ACTION: Submit a Tank Facility Statement or Business Plan to the California Environmental Reporting System (CERS) within 30 days of this report.

Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 03-05-2018
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 05/18/2018. Observed a one quart oil container in the outside garbage bin that still had more than 1/2 a cup of oil remaining in it. Oil containers must be "California Empty" (not one drop should come out when inverted) before discarding in the trash. Obtain something that will allow you to completely drain each oil container before discarding it in the trash. Remove all small oil containers from garbage and empty each one before you rediscard them in garbage.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
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 11/09/2016. OBSERVATION: The Emergency Response plan and procedures submitted to the CUPA did not include an Earthquake Vulnerability section. When accepting the September 8, 2015, California Environmental Reporting System (CERS) submittal on September 16, 2015, our agency stated the following: "The Emergency Response plan uploaded for this submittal is an outdated form lacking required information or detail. You will need to complete and submit the information on the current form. Follow the 'Consolidated Emergency Response/Contingency Plan template' link on the CERS 'Emergency Response/Training Plans' tab to access an electronic version of the correct form then resubmit the completed form." Or you can find this form on our agency's website at: http://scceh.com/Portals/6/Env_Health/hazardous_materials/ContingencyPlan.pdf. A hard copy of the form was also provided during the inspection. CORRECTIVE ACTION: Revise the emergency response plan and procedures to include all required and [Truncated]
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS

OIL CAN HENRYS (Continued) **S108197255**

Violation Date:	11-07-2016
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 and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 11/09/2016. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. The current submittal in the California Environmental Reporting System (CERS) was submitted on September 8, 2015, over a year ago. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in CERS within 30 days of this report.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Release/Leaks/Spills - General
Violation Notes:	OBSERVATION: A PVC pipe was installed which goes from the waste oil tank below grad to a coupling port above grade so the hazardous waste hauler can easily remove used oil from the waste oil tank. A absorbent pad was placed on the floor below and around the coupling port to catch oil that spills when the waste hauler decouples from the PVC pipe. However, evidence of oil on the outside of the PVC pipe below grade was observed. This indicates used oil is leaking from above grade through the floor to the basement area. An alternate procedure(s) (e.g., a bucket to catch used oil spills at the PVC coupling port) should be developed and the open space between the floor and the PVC pipe should be properly sealed. CORRECTIVE ACTION: Properly seal the open space between the floor and the used oil PVC pipe. Develop an alternative procedure to capture used oil spills when the waste hauler decouples from the PVC pipe coupling device. Our agency also recommends including these [Truncated]
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	53531
Site Name:	OIL CAN HENRYS
Violation Date:	11-07-2016
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 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:	OBSERVATION: The waste oil tank does not have a label on it. The label is above grade on the wall by the PVC used oil port the waste hauler uses to pump out used oil from the waste oil tank. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous

OIL CAN HENRYS (Continued) **S108197255**

properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Although it may be more convenient for the waste hauler to have the label above grade on the wall where he/she pumps out the oil, the label must be placed on each tank, even if they are below grade in the basement. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information and provide verification to the CUPA within 30 days of this report.

Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 11-07-2016
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes: OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. The SPCC Plan was last amended/certified on June 5, 2009. CORRECTIVE ACTION: Complete and document the 5 year review and submit verification of proper completion to the CUPA within 30 days of this report.
Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 03-05-2018
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description: Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes: Returned to compliance on 05/18/2018. Observed a one quart oil container in the garbage dumpster that still had more than half a cup of oil in it. Illegal disposal of hazardous waste. This is considered hazardous waste and must be sent to an authorized facility licensed by DTSC (Department of Toxic Substances and Control). All containers of oil must be thoroughly drained before disposing in trash.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Violation Date: 09-03-2013
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to schedule and conduct spill prevention briefings at least once a year.
Violation Notes: Returned to compliance on 11/07/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: APSA

OIL CAN HENRYS (Continued) **S108197255**

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site today to observe the management of hazardous materials and/or waste and record keeping and employee training. Training is done yearly. Hazardous waste manifests are kept up and on site. SPCC Plan was reviewed in 2017. Drain all containers of oil completely before discarding in trash. Observed a one quart oil container in the outside garbage that still had more than 1/2 cup of oil remaining in it. All oil containers must be drained until "California Empty" before discarding in trash. Employees must be trained to completely drain all oil containers before discarding.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SPCC Plan was reviewed in 2017 and is complete.
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2018
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: 09-03-2013
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: 09-03-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

OIL CAN HENRYS (Continued) **S108197255**

Eval Date:	09-03-2013
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:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Onsite for the annual Certified Unified Program Agency (CUPA) inspection for the storage, use, and disposal of hazardous materials and/or hazardous wastes.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The active EPA Generator ID# is CAL000288467. Hazardous wastes were transported by Asbury Environmental Services (AES).
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	03-05-2018
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:	53531
Site Name:	OIL CAN HENRYS
Site Address:	1409 MAIN ST
Site City:	WATSONVILLE
Site Zip:	95076

OIL CAN HENRYS (Continued) **S108197255**

Enf Action Date: 09-03-2013
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: APSA
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 09-03-2013
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: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: APSA
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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: HMRRP
Enf Action Source: CERS

Site ID: 53531
Site Name: OIL CAN HENRYS
Site Address: 1409 MAIN ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 11-07-2016
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

OIL CAN HENRYS (Continued) **S108197255**

Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 53531
Facility Name: OIL CAN HENRYS
Env Int Type Code: HWG
Program ID: 10193623
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.915980
Longitude: -121.773210

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: Scott Allen
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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Tim Boone
Entity Title: Not reported
Affiliation Address: 7300 chevron way
Affiliation City: Dixon
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95620
Affiliation Phone: (510) 714-2421

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1409 main st
Affiliation City: watsonville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Scott Allen

OIL CAN HENRYS (Continued) **S108197255**

Entity Title:	OWNER\\PARTNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Allenbrothers Oil Inc.
Entity Title:	Not reported
Affiliation Address:	PO box 3977
Affiliation City:	Salinas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93912
Affiliation Phone:	(831) 320-5792

Affiliation Type Desc:	Operator
Entity Name:	Allenbrothers 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
Affiliation Phone:	(831) 320-5792

Affiliation Type Desc:	Parent Corporation
Entity Name:	oil can henrys
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:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Allen Brothers Real Estate
Entity Title:	Not reported
Affiliation Address:	PO box 3977
Affiliation City:	salinas
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93912
Affiliation Phone:	(831) 320-5792

H24 **SAMBRAILO PAPER CO** **HIST UST** **U001602366**
SSE **800 WALKER ST** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
0.234 mi.
1233 ft. **Site 1 of 2 in cluster H**

Relative: **Higher**
Actual: **32 ft.**

HIST UST:

File Number:	00020B45
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020B45.pdf
Region:	STATE
Facility ID:	00000005960
Facility Type:	Other
Other Type:	DISTRIBUTORS
Contact Name:	MICHAEL SAMBRAILO
Telephone:	4087247581
Owner Name:	CHAS. P. SAMBRAILO PAPER CO.
Owner Address:	800 WALKER ST
Owner City,St,Zip:	WATSONVILLE, CA 95076
Total Tanks:	0001
Tank Num:	001
Container Num:	007
Year Installed:	1981
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well
Tank Num:	001
Container Num:	007
Year Installed:	1981
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well

Click here for Geo Tracker PDF:

I25 **PORTOLA MOTORS** **LUST** **S105520732**
North **500 AUTO CENTER DR.** **CERS** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
0.238 mi.
1259 ft. **Site 1 of 3 in cluster I**

Relative: **Higher**
Actual: **88 ft.**

LUST REG 3:

Region:	3
Regional Board:	Central Coast Region
Facility County:	Santa Cruz
Global ID:	T0608700082
Status:	Preliminary site assessment underway
Case Number:	2462
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:	Other Source

PORTOLA MOTORS (Continued) **S105520732**

Leak Cause:	Overfill
How Stopped:	Not reported
How Discovered:	Tank Closure
Release Date:	06/23/1994
Discovered Date:	12/7/93
Enter Date:	07/07/1994
Stop Date:	Not reported
Review Date:	06/23/1994
Enforce Date:	Not reported
Close Date:	9/25/95
Enforcement Type:	LET
Responsible Party:	Not reported
RP Address:	Not reported
Contact:	Not reported
Cross Street:	MAIN ST
Local Agency:	44000
Lead Agency:	Regional Board
Staff Initials:	MTK
Confirm Leak:	Not reported
Workplan:	Not reported
Prelim Assess:	8/9/01
Pollution Char:	/ /
Remedial Plan:	Not reported
Remedial Action:	Not reported
Monitoring:	06/23/1994
Pilot Program:	UST
Interim Action:	0
Funding:	Not reported
MTBE Class:	D
Max MTBE Grnd Wtr:	1
Max MTBE Soil:	Not reported
Max MTBE Data:	09/12/2002
MTBE Tested:	YES
Lat/Long:	36.916099 / -121.7673308
Soil Qualifier:	Not reported
Grnd Wtr Qualifier:	<
Mtbe Concentratn:	2
Mtbe Fuel:	1
Org Name:	Not reported
Basin Plan:	5.10
Beneficial:	Not reported
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Operator:	Not reported
Water System:	CITY OF WATSONVILLE
Well Name:	WELL 17
Distance From Well:	0
Assigned Name:	12S/02E-05K01 M
Summary:	SITE/CASE WAS CLOSED AS A SOIL CASE IN 1995 BY THE LOCAL AGENCY. 7/9/2001 SITE INVESTIGATION DETECTED 3500 PPB MTBE IN GW.

CERS TANKS:

Site ID:	229915
CERS ID:	T0608700082
CERS Description:	Leaking Underground Storage Tank Cleanup Site

PORTOLA MOTORS (Continued) **S105520732**

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:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	RB3 STAFF - 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:	8055493147

I26 **PORTOLA MOTORS** **RCRA-SQG** **1000415486**
North **500 ARTHUR RD** **LUST** **CAD981445992**
1/8-1/4 **WATSONVILLE, CA 95076** **SWEEPS UST**
0.238 mi. **HIST UST**
1259 ft. **Site 2 of 3 in cluster I** **CA FID UST**
FINDS
Relative: **ECHO**
Higher **CUPA Listings**
Actual: **HIST CORTESE**
88 ft. **CERS**
CERS HAZ WASTE

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	PORTOLA MOTORS
Facility address:	500 ARTHUR RD WATSONVILLE, CA 95076
EPA ID:	CAD981445992
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	RICHARD LYNCH
Owner/operator address:	NOT REQUIRED

PORTOLA MOTORS (Continued) **1000415486**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/15/1986
Site name: PORTOLA MOTORS
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700082
Global Id: T0608700082
Latitude: 36.9200122
Longitude: -121.7679769
Status: Completed - Case Closed
Status Date: 09/12/2006

PORTOLA MOTORS (Continued) **1000415486**

Case Worker: RB
RB Case Number: 2462
Local Agency: SANTA CRUZ COUNTY
File Location: State Records Center
Local Case Number: RO0000090
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700082
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

Global Id: T0608700082
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

LUST:
Global Id: T0608700082
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 04/20/2005
Action: Staff Letter

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 09/14/2006
Action: * No Action

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 02/15/2006
Action: Staff Letter

Global Id: T0608700082
Action Type: RESPONSE
Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: Other
Date: 12/07/1993

PORTOLA MOTORS (Continued) **1000415486**

Action: Leak Discovery

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 04/10/2002
Action: Staff Letter

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 08/14/2002
Action: Staff Letter

Global Id: T0608700082
Action Type: RESPONSE
Date: 05/30/2003
Action: Other Workplan

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 03/27/2003
Action: Staff Letter

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 09/12/2006
Action: Closure/No Further Action Letter

Global Id: T0608700082
Action Type: ENFORCEMENT
Date: 07/18/2006
Action: 13267 Requirement

Global Id: T0608700082
Action Type: RESPONSE
Date: 08/31/2006
Action: Unknown

Global Id: T0608700082
Action Type: RESPONSE
Date: 07/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: RESPONSE
Date: 10/20/2003
Action: Soil and Water Investigation Report

Global Id: T0608700082
Action Type: RESPONSE
Date: 04/20/2004
Action: Other Workplan

Global Id: T0608700082
Action Type: RESPONSE
Date: 07/26/2002
Action: Well Installation Report

PORTOLA MOTORS (Continued) **1000415486**

Global Id: T0608700082
Action Type: Other
Date: 06/23/1994
Action: Leak Reported

Global Id: T0608700082
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: RESPONSE
Date: 04/20/2005
Action: Well Installation Report

Global Id: T0608700082
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T0608700082
Action Type: RESPONSE
Date: 03/31/2006
Action: Request for Closure

LUST:
Global Id: T0608700082
Status: Open - Case Begin Date
Status Date: 12/07/1993

Global Id: T0608700082
Status: Open - Verification Monitoring
Status Date: 06/23/1994

Global Id: T0608700082
Status: Open - Site Assessment
Status Date: 08/09/2001

Global Id: T0608700082
Status: Open - Site Assessment
Status Date: 04/30/2004

Global Id: T0608700082
Status: Completed - Case Closed
Status Date: 09/12/2006

SWEEPS UST:
Status: Active
Comp Number: 11415
Number: 1

PORTOLA MOTORS (Continued) **1000415486**

Board Of Equalization: 44-027204
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 44-052-011415-000002
Tank Status: A
Capacity: 550
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 11415
Number: 1
Board Of Equalization: 44-027204
Referral Date: 04-27-93
Action Date: 04-27-93
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 44-052-011415-000003
Tank Status: A
Capacity: 1000
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 00020C6C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C6C.pdf
Region: STATE
Facility ID: 00000011415
Facility Type: Other
Other Type: Not reported
Contact Name: RICHARD LYNCH
Telephone: 4087223522
Owner Name: PORTOLA MOTORS, INC.
Owner Address: 500 ARTHUR RD.
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: 1966

PORTOLA MOTORS (Continued) **1000415486**

Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1966
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1975
Tank Capacity: 00001000
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: 1975
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 44000651
Regulated By: UTNKA
Regulated ID: 00011415
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4087223522
Mail To: Not reported
Mailing Address: 500 ARTHUR RD
Mailing Address 2: Not reported
Mailing City,St,Zip: WATSONVILLE 95076
Contact: Not reported
Contact Phone: Not reported

PORTOLA MOTORS (Continued) **1000415486**

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:

Registry ID: 110002709739

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: 1000415486
Registry ID: 110002709739
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002709739

CUPA SANTA CRUZ:
Facility Id: FA0003865
Cross Street: MAIN ST
Description: HMMP SHORT FORM BASE FEE

Facility Id: FA0003865
Cross Street: MAIN ST
Description: HAZARDOUS WASTE GENERATOR (HMMP SHORT FORM)

Facility Id: FA0003865
Cross Street: MAIN ST
Description: HMMP SHORT FORM 3 HAZ CLASSES

Facility Id: FA0003154
Cross Street: MAIN ST
Description: HMMP STANDARD FORM QR 2

Facility Id: FA0003154
Cross Street: MAIN ST
Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0003154
Cross Street: MAIN ST
Description: HMMP STANDARD FORM QR 3

Facility Id: FA0003154
Cross Street: MAIN ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

PORTOLA MOTORS (Continued) **1000415486**

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 2462

CERS TANKS:
Site ID: 84854
CERS ID: 10192813
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2017
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: 06-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2015
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: 12-14-2015
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

Coordinates:
Site ID: 84854
Facility Name: WATSONVILLE CADILLAC BUICK GMC
Env Int Type Code: HWG
Program ID: 10192813
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919320

PORTOLA MOTORS (Continued) **1000415486**

Longitude: -121.768750

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:	KPA, LLC
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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	AL REYNOLDS
Entity Title:	Not reported
Affiliation Address:	500 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-3522

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	S&R Automotive Holdings Incorporated
Entity Title:	Not reported
Affiliation Address:	500 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-3522

Affiliation Type Desc:	Operator
Entity Name:	S&R Automotive Holdings Incorporated DBA Watsonville Cadillac Buick GMC
Entity Title:	Not reported

PORTOLA MOTORS (Continued) **1000415486**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (831) 722-3522

Affiliation Type Desc: Parent Corporation
Entity Name: WATSONVILLE CADILLAC BUICK GMC
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: Not reported

CERS HAZ WASTE:
Site ID: 84854
CERS ID: 10192813
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2017
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: 06-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2015
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: 12-14-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health

PORTOLA MOTORS (Continued) **1000415486**

Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 84854
Facility Name: WATSONVILLE CADILLAC BUICK GMC
Env Int Type Code: HWG
Program ID: 10192813
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919320
Longitude: -121.768750

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: KPA, LLC
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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: AL REYNOLDS
Entity Title: Not reported
Affiliation Address: 500 AUTO CENTER DRIVE
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: (831) 722-3522

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 500 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: S&R Automotive Holdings Incorporated

PORTOLA MOTORS (Continued) **1000415486**

Entity Title:	Not reported
Affiliation Address:	500 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-3522
Affiliation Type Desc:	Operator
Entity Name:	S&R Automotive Holdings Incorporated DBA Watsonville Cadillac Buick GMC
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) 722-3522
Affiliation Type Desc:	Parent Corporation
Entity Name:	WATSONVILLE CADILLAC BUICK GMC
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:	Not reported

I27 **AUTO CENTER COLLISION** **HAZNET S113106617**
North **500 AUTO CENTER DR STE 101** **CERS HAZ WASTE N/A**
1/8-1/4 **WATSONVILLE, CA 95076** **CERS**
0.238 mi.
1259 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
88 ft.

HAZNET:

envid:	S113106617
Year:	2009
GEPAID:	CAL000209332
Contact:	JAMES HERBERT-OWNER
Telephone:	8317687577
Mailing Name:	Not reported
Mailing Address:	500 AUTO CENTER DR STE 101
Mailing City,St,Zip:	WATSONVILLE, CA 950760000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3525
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Cruz
envid:	S113106617
Year:	2008

AUTO CENTER COLLISION (Continued) **S113106617**

GEPAID: CAL000209332
Contact: JAMES HERBERT-OWNER
Telephone: 8317687577
Mailing Name: Not reported
Mailing Address: 500 AUTO CENTER DR STE 101
Mailing City,St,Zip: WATSONVILLE, CA 950760000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.394
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

envid: S113106617
Year: 2007
GEPAID: CAL000209332
Contact: JAMES HERBERT-OWNER
Telephone: 8317687577
Mailing Name: Not reported
Mailing Address: 500 AUTO CENTER DR STE 101
Mailing City,St,Zip: WATSONVILLE, CA 950760000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.42
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

envid: S113106617
Year: 2006
GEPAID: CAL000209332
Contact: JAMES HERBERT-OWNER
Telephone: 8317687577
Mailing Name: Not reported
Mailing Address: 500 AUTO CENTER DR STE 101
Mailing City,St,Zip: WATSONVILLE, CA 950760000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

envid: S113106617
Year: 2006
GEPAID: CAL000209332

AUTO CENTER COLLISION (Continued) **S113106617**

Contact: JAMES HERBERT-OWNER
Telephone: 8317687577
Mailing Name: Not reported
Mailing Address: 500 AUTO CENTER DR STE 101
Mailing City,St,Zip: WATSONVILLE, CA 950760000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

Click this hyperlink while viewing on your computer to access
14 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS HAZ WASTE:
Site ID: 423835
CERS ID: 10738942
CERS Description: Hazardous Waste Generator

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: Rebecca Supplee
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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: John Fernandez Jr.
Entity Title: Not reported
Affiliation Address: 500 Auto Center Dr Ste 101
Affiliation City: Watsonville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: (831) 768-7577

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

AUTO CENTER COLLISION (Continued) **S113106617**

Affiliation Address:	500 Auto Center Dr Ste 101
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Rebecca Supplee
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:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	John Fernandez Jr.
Entity Title:	Not reported
Affiliation Address:	500 Auto Center Dr Ste 101
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 768-7577
Affiliation Type Desc:	Operator
Entity Name:	John Fernandez Jr.
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) 768-7577
Affiliation Type Desc:	Parent Corporation
Entity Name:	Auto Center Collision
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:	Not reported

CERS TANKS:

Site ID:	423835
CERS ID:	10738942
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Santa Cruz County Environmental Health
Entity Title:	Not reported

AUTO CENTER COLLISION (Continued) **S113106617**

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:	Rebecca Supplee
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:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	John Fernandez Jr.
Entity Title:	Not reported
Affiliation Address:	500 Auto Center Dr Ste 101
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 768-7577
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Auto Center Dr Ste 101
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Rebecca Supplee
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:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	John Fernandez Jr.
Entity Title:	Not reported
Affiliation Address:	500 Auto Center Dr Ste 101
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 768-7577

AUTO CENTER COLLISION (Continued) **S113106617**

Affiliation Type Desc:	Operator
Entity Name:	John Fernandez Jr.
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) 768-7577

Affiliation Type Desc:	Parent Corporation
Entity Name:	Auto Center Collision
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:	Not reported

H28 **PACIFIC GUANO COMPANY** **ENVIROSTOR** **S100186320**
SSE **801 WALKER STREET** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.259 mi.
1367 ft. **Site 2 of 2 in cluster H**

Relative: **Higher**

Actual: **31 ft.**

ENVIROSTOR:

Facility ID:	44280018
Status:	Refer: RWQCB
Status Date:	08/28/1989
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:	30
Senate:	17
Special Program:	* Rural County Survey Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.91097
Longitude:	-121.7669
APN:	018-091-07
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	018-091-07
Alias Type:	APN
Alias Name:	44280018
Alias Type:	Envirostor ID Number

PACIFIC GUANO COMPANY (Continued) **S100186320**

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 1946 CITY DIRECTORY FERTILIZER MANUFACTURING

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	08/28/1989
Comments:	SITE SCREENING DONE RWQCB IS THE LEAD ON THE SITE

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

29
North
1/4-1/2
0.304 mi.
1603 ft.

Relative:
Higher

Actual:
76 ft.

CENTURY CHEVROLET
490 ARTHUR ROAD
WATSONVILLE, CA 95076

RCRA-SQG **1000422693**
LUST **CAD029628377**
AST
SWEEPS UST
HIST UST
CA FID UST
FINDS
ECHO
CUPA Listings
CERS
CERS TANKS
CERS HAZ WASTE

RCRA-SQG:

Date form received by agency:	06/03/1986
Facility name:	CENTURY CHEVROLET
Facility address:	490 ARTHUR ROAD WATSONVILLE, CA 95076
EPA ID:	CAD029628377
Contact:	ENVIRONMENTAL MANAGER
Contact address:	490 ARTHUR ROAD WATSONVILLE, CA 95076
Contact country:	US
Contact telephone:	408-722-4122
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

CENTURY CHEVROLET (Continued) **1000422693**

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MIKE KOLKO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T060870819
Global Id: T060870819
Latitude: 36.91988
Longitude: -121.769308
Status: Completed - Case Closed
Status Date: 06/30/2004
Case Worker: Not reported
RB Case Number: 3341

CENTURY CHEVROLET (Continued) **1000422693**

Local Agency: SANTA CRUZ COUNTY
File Location: State Records Center
Local Case Number: RO0000063
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T060870819
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: T060870819
Action Type: RESPONSE
Date: 03/26/2003
Action: Other Report / Document

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 06/30/2004
Action: Closure/No Further Action Letter

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 05/28/2003
Action: Staff Letter

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 05/18/2003
Action: Staff Letter

Global Id: T060870819
Action Type: RESPONSE
Date: 06/30/2004
Action: Unknown

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 02/19/2010
Action: Closure/No Further Action Letter

Global Id: T060870819
Action Type: REMEDIATION
Date: 05/19/1999
Action: Excavation

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 06/24/2003
Action: * No Action

CENTURY CHEVROLET (Continued) **1000422693**

Global Id: T060870819
Action Type: RESPONSE
Date: 06/30/2004
Action: Unknown

Global Id: T060870819
Action Type: REMEDIATION
Date: 03/26/2003
Action: Excavation

Global Id: T060870819
Action Type: ENFORCEMENT
Date: 02/22/2002
Action: Staff Letter

Global Id: T060870819
Action Type: Other
Date: 05/19/1999
Action: Leak Reported

Global Id: T060870819
Action Type: RESPONSE
Date: 06/30/2004
Action: Request for Closure

Global Id: T060870819
Action Type: RESPONSE
Date: 10/20/2002
Action: Monitoring Report - Quarterly

Global Id: T060870819
Action Type: RESPONSE
Date: 01/20/2003
Action: Monitoring Report - Quarterly

Global Id: T060870819
Action Type: Other
Date: 05/19/1999
Action: Leak Discovery

Global Id: T060870819
Action Type: RESPONSE
Date: 07/20/2002
Action: Monitoring Report - Quarterly

LUST:
Global Id: T060870819
Status: Open - Case Begin Date
Status Date: 12/12/1998

Global Id: T060870819
Status: Open - Site Assessment
Status Date: 12/12/1998

Global Id: T060870819
Status: Open - Site Assessment
Status Date: 05/19/1999

CENTURY CHEVROLET (Continued) **1000422693**

Global Id: T060870819
Status: Open - Site Assessment
Status Date: 07/14/1999

Global Id: T060870819
Status: Open - Site Assessment
Status Date: 11/29/2000

Global Id: T060870819
Status: Completed - Case Closed
Status Date: 06/30/2004

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T060870819
Status: Pollution Characterization
Case Number: 3341
Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Not reported
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: OM
Release Date: 05/19/1999
Discovered Date: 5/19/99
Enter Date: / /
Stop Date: Not reported
Review Date: 08/14/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: MIKE KOLKO
RP Address: 490 AUTOCENTER DR
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: MTK
Confirm Leak: 5/19/99
Workplan: 7/14/99
Prelim Assess: 12/12/98
Pollution Char: 11/29/2000
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: Not reported
Funding: Not reported
MTBE Class: D
Max MTBE Grnd Wtr: 1
Max MTBE Soil: Not reported

CENTURY CHEVROLET (Continued) **1000422693**

Max MTBE Data: 06/24/2002
MTBE Tested: YES
Lat/Long: 36.920634 / -121.768168
Soil Qualifier: Not reported
Grnd Wtr Qualifier: <
Mtbe Concentratn: 5
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: Haz Mat incident report filed : SITE CONSISTS OF TWO SEPARATE UST/AST AREAS. EXCAVATION OF ~240CY IMPACTED SOIL AT SOUTHEASTERN WASTE OIL/LUBRICATTING OIL UST/AST AREA. SIX MW'S INSTALLED 11/00.

AST:
Certified Unified Program Agencies: Not reported
Owner: MELVIN COOPER
Total Gallons: Not reported
CERSID: 10192819
Facility ID: Not reported
Business Name: CHEVROLET OF WATSONVILLE
Phone: (831) 722-4122
Fax: Not reported
Mailing Address: 490 AUTO CENTER DR
Mailing Address City: WATSONVILLE
Mailing Address State: CA
Mailing Address Zip Code: 95076
Operator Name: MELVIN COOPER
Operator Phone: (831) 722-4122
Owner Phone: (831) 722-4122
Owner Mail Address: 490 AUTO CENTER DR
Owner State: CA
Owner Zip Code: 95076
Owner Country: United States
Property Owner Name: MIKE KOLKO
Property Owner Phone: (831) 722-4122
Property Owner Mailing Address: 490 AUTO CENTER DR
Property Owner City: WATSONVILLE
Property Owner Stat : CA
Property Owner Zip Code: 95076
Property Owner Country: United States
EPAID: CAL000336423

SWEEPS UST:
Status: Active
Comp Number: 1002
Number: 1
Board Of Equalization: 44-032050

CENTURY CHEVROLET (Continued) **1000422693**

Referral Date: 04-29-93
Action Date: 04-29-93
Created Date: 09-29-89
Owner Tank Id: Not reported
SWRCB Tank Id: 44-052-001002-000001
Tank Status: A
Capacity: 5000
Active Date: 04-27-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
File Number: 00020BBC
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020BBC.pdf
Region: STATE
Facility ID: 00000009411
Facility Type: Other
Other Type: AUTO DEALER
Contact Name: MICHAEL G. KOLKO
Telephone: 4087224122
Owner Name: GUARANTEE CHEVROLET
Owner Address: 490 ARTHUR RD.
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: Not reported

CENTURY CHEVROLET (Continued) **1000422693**

Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 44000790
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4087224122
Mail To: Not reported
Mailing Address: 490 ARTHUR RD
Mailing Address 2: Not reported
Mailing City,St,Zip: WATSONVILLE 95076
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: 110002642490

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.

ECHO:
Envid: 1000422693
Registry ID: 110002642490
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002642490

CENTURY CHEVROLET (Continued) **1000422693**

CUPA SANTA CRUZ:
Facility Id: FA0003160
Cross Street: MAIN ST
Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0003160
Cross Street: MAIN ST
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

Facility Id: FA0003160
Cross Street: MAIN ST
Description: ABOVEGROUND PETROLEUM STORAGE-SPCC FACILITY

Facility Id: FA0003160
Cross Street: MAIN ST
Description: HMMP STANDARD FORM QR 3

CERS TANKS:
Site ID: 18207
CERS ID: 10192819
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
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: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA

CENTURY CHEVROLET (Continued) **1000422693**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2013
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: 07-22-2013
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: 12-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2015
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: 12-02-2015
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

Coordinates:
Site ID: 18207
Facility Name: CHEVROLET OF WATSONVILLE
Env Int Type Code: HWG
Program ID: 10192819
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919890
Longitude: -121.769200

CENTURY CHEVROLET (Continued) **1000422693**

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:	Tim Caley, Western EHS Service, 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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	TAMMIE MANWARREN
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-4122

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	TAMMIE MANWARREN
Entity Title:	BUSINESS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MELVIN COOPER
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA

CENTURY CHEVROLET (Continued) **1000422693**

Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

Affiliation Type Desc: Operator
Entity Name: MELVIN COOPER
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) 722-4122

Affiliation Type Desc: Parent Corporation
Entity Name: CHEVROLET OF WATSONVILLE
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: Not reported

Affiliation Type Desc: Property Owner
Entity Name: MIKE KOLKO
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

CERS TANKS:
Site ID: 18207
CERS ID: 10192819
CERS Description: Aboveground Petroleum Storage

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW

CENTURY CHEVROLET (Continued) **1000422693**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Annual site inspection.
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-22-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-22-2013
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:	07-22-2013
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:	12-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Santa Cruz County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-02-2015
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

CENTURY CHEVROLET (Continued) **1000422693**

Eval Date: 12-02-2015
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

Coordinates:
Site ID: 18207
Facility Name: CHEVROLET OF WATSONVILLE
Env Int Type Code: HWG
Program ID: 10192819
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919890
Longitude: -121.769200

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: Tim Caley, Western EHS Service, 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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: TAMMIE MANWARREN
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DRIVE
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported

CENTURY CHEVROLET (Continued) **1000422693**

Affiliation Zip: 95076
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: TAMMIE MANWARREN
Entity Title: BUSINESS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MELVIN COOPER
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

Affiliation Type Desc: Operator
Entity Name: MELVIN COOPER
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) 722-4122

Affiliation Type Desc: Parent Corporation
Entity Name: CHEVROLET OF WATSONVILLE
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: Not reported

Affiliation Type Desc: Property Owner
Entity Name: MIKE KOLKO
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

CERS HAZ WASTE:
Site ID: 18207
CERS ID: 10192819

CENTURY CHEVROLET (Continued) **1000422693**

CERS Description: Hazardous Waste Generator

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
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: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2013
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: 07-22-2013
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

CENTURY CHEVROLET (Continued) **1000422693**

Eval Date: 12-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2015
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: 12-02-2015
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

Coordinates:
Site ID: 18207
Facility Name: CHEVROLET OF WATSONVILLE
Env Int Type Code: HWG
Program ID: 10192819
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.919890
Longitude: -121.769200

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: Tim Caley, Western EHS Service, 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: Not reported

CENTURY CHEVROLET (Continued) **1000422693**

Affiliation Type Desc:	Environmental Contact
Entity Name:	TAMMIE MANWARREN
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DRIVE
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-4122

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95076
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	TAMMIE MANWARREN
Entity Title:	BUSINESS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MELVIN COOPER
Entity Title:	Not reported
Affiliation Address:	490 AUTO CENTER DR
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-4122

Affiliation Type Desc:	Operator
Entity Name:	MELVIN COOPER
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) 722-4122

Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVROLET OF WATSONVILLE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CENTURY CHEVROLET (Continued) **1000422693**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: MIKE KOLKO
Entity Title: Not reported
Affiliation Address: 490 AUTO CENTER DR
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95076
Affiliation Phone: (831) 722-4122

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30 South 1/4-1/2 0.333 mi. 1759 ft. **H & H BOTTLING** **LUST S101304465**
352 FORD ST **HIST CORTESE N/A**
WATSONVILLE, CA 95076 **CERS**

Relative: Lower
Actual: 25 ft.

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700236
Global Id: T0608700236
Latitude: 36.9101212
Longitude: -121.7675337
Status: Completed - Case Closed
Status Date: 12/20/2004
Case Worker: Not reported
RB Case Number: 606
Local Agency: Not reported
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: T0608700236
Action Type: ENFORCEMENT
Date: 05/07/2004
Action: Staff Letter

Global Id: T0608700236
Action Type: RESPONSE
Date: 12/20/2004
Action: Well Destruction Report

Global Id: T0608700236
Action Type: ENFORCEMENT
Date: 11/17/2000
Action: Staff Letter

Global Id: T0608700236
Action Type: ENFORCEMENT
Date: 09/08/2003
Action: * No Action

H & H BOTTLING (Continued) **S101304465**

Global Id: T0608700236
Action Type: ENFORCEMENT
Date: 12/20/2004
Action: Closure/No Further Action Letter

Global Id: T0608700236
Action Type: RESPONSE
Date: 08/15/2003
Action: Other Workplan

Global Id: T0608700236
Action Type: Other
Date: 11/08/1987
Action: Leak Reported

Global Id: T0608700236
Action Type: Other
Date: 10/20/1987
Action: Leak Discovery

Global Id: T0608700236
Action Type: RESPONSE
Date: 04/20/2004
Action: Monitoring Report - Quarterly

Global Id: T0608700236
Action Type: ENFORCEMENT
Date: 01/07/2005
Action: Closure/No Further Action Letter

Global Id: T0608700236
Action Type: RESPONSE
Date: 04/20/2003
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700236
Status: Open - Case Begin Date
Status Date: 10/20/1987

Global Id: T0608700236
Status: Open - Site Assessment
Status Date: 03/21/1988

Global Id: T0608700236
Status: Open - Remediation
Status Date: 11/07/1990

Global Id: T0608700236
Status: Open - Remediation
Status Date: 09/01/1991

Global Id: T0608700236
Status: Open - Verification Monitoring
Status Date: 05/28/1998

Global Id: T0608700236

H & H BOTTLING (Continued) **S101304465**

Status: Completed - Case Closed
Status Date: 12/20/2004

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700236
Status: Post remedial action monitoring
Case Number: 606
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: 11/08/1987
Discovered Date: 10/20/87
Enter Date: 03/27/1988
Stop Date: Not reported
Review Date: 06/12/2002
Enforce Date: Not reported
Close Date: Not reported
Enforcement Type: LET
Responsible Party: JOCELYN DEL MONTE
RP Address: P.O. BOX 564
Contact: Not reported
Cross Street: Not reported
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 03/21/1988
Remedial Plan: 11/7/90
Remedial Action: 9/1/91
Monitoring: 05/28/1998
Pilot Program: UST
Interim Action: Not reported
Funding: R
MTBE Class: A
Max MTBE Grnd Wtr: 5
Max MTBE Soil: Not reported
Max MTBE Data: 03/28/2002
MTBE Tested: YES
Lat/Long: 36.9101212 / -121.7675337
Soil Qualifier: Not reported
Grnd Wtr Qualifier: <
Mtbe Concentratn: 4
Mtbe Fuel: 1
Org Name: Not reported

H & H BOTTLING (Continued) **S101304465**

Basin Plan: 5.10
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 02
Distance From Well: 0
Assigned Name: 12S/02E-08A02 M
Summary: PUMP AND TREAT SYSTEM OPERATED BETWEEN 1991-1995; SIGNIFICANT CONTAMINANT REDUCTION ACHIEVED. MtBE HISTORICALLY ABSENT. SOURCE AREA MW-1 & MW-2 STILL HAVE TPHg & BENZENE CONCENTRATIONS EXCEEDING WQO's.

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 606

CERS TANKS:
Site ID: 208944
CERS ID: T0608700236
CERS Description: Leaking Underground Storage Tank Cleanup Site

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J31 **BERMAN STEEL** **RESPONSE** **1000295559**
SSE **627 WALKER ST** **ENVIROSTOR** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **HIST UST**
0.343 mi. **CUPA Listings**
1813 ft. **Site 1 of 2 in cluster J** **CERS**

Relative: Higher

Actual: 30 ft.

RESPONSE:
Facility ID: 44290003
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Site Code: 200014
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 30
Senate: 17
Special Program Status: Not reported
Status: Certified
Status Date: 05/01/1981
Restricted Use: NO
Funding: Responsible Party
Latitude: 36.91001
Longitude: -121.7659
APN: 018-121-05
Past Use: RECYCLING - SCRAP METAL
Potential COC : Lead Polychlorinated biphenyls (PCBs Copper and compounds Zinc

BERMAN STEEL (Continued) **1000295559**

Confirmed COC: Polychlorinated biphenyls (PCBs Copper and compounds Lead Zinc
Potential Description: SOIL
Alias Name: 018-121-05
Alias Type: APN
Alias Name: 110033618226
Alias Type: EPA (FRS #)
Alias Name: 200014
Alias Type: Project Code (Site Code)
Alias Name: 44290003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/01/1981
Comments: Certified Site. According to the Auditor General's report, 18,000 gallons of oil & 20 cubic yards of contaminated soil were removed. A note in the file dated 4/26/1983 indicates that the Watsonville site was the first to be cleaned up. The May 1, 1981 date was selected because the Auditor General's Report indicated that the clean up occured in May 1981. May 1, 1981 gives the earliest statute of limitations.

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:
Facility ID: 44290003
Status: Certified
Status Date: 05/01/1981
Site Code: 200014
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1.5
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 36.91001
Longitude: -121.7659
APN: 018-121-05

BERMAN STEEL (Continued) **1000295559**

Past Use: RECYCLING - SCRAP METAL
Potential COC: Lead Polychlorinated biphenyls (PCBs Copper and compounds Zinc
Confirmed COC: Polychlorinated biphenyls (PCBs Copper and compounds Lead Zinc
Potential Description: SOIL
Alias Name: 018-121-05
Alias Type: APN
Alias Name: 110033618226
Alias Type: EPA (FRS #)
Alias Name: 200014
Alias Type: Project Code (Site Code)
Alias Name: 44290003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/01/1981
Comments: Certified Site. According to the Auditor General's report, 18,000 gallons of oil & 20 cubic yards of contaminated soil were removed. A note in the file dated 4/26/1983 indicates that the Watsonville site was the first to be cleaned up. The May 1, 1981 date was selected because the Auditor General's Report indicated that the clean up occured in May 1981. May 1, 1981 gives the earliest statute of limitations.

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:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000008354
Facility Type: Other
Other Type: RECYCLE COMPANY
Contact Name: F. DAVILLA
Telephone: 4087223856
Owner Name: AARON BERMAN
Owner Address: 627 WALKER STREET
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0001

Tank Num: 001
Container Num: 001
Year Installed: Not reported
Tank Capacity: 00000750
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported

BERMAN STEEL (Continued) **1000295559**

Leak Detection: None

CUPA MONTEREY:

Facility Id:	FA0827171
Region:	MONTEREY
Program/Element Code:	5040
Program/Element:	5040 - BASE FEE-HAZARDOUS MATERIALS REGISTRATION
Billing Status:	02 - INACTIVE, NON-BILLABLE
EDR Link ID:	FA0827171
Mailing Address:	627 WALKER ST
Mailing City State Zip:	WATSONVILLE CA 95076
Program Identifier:	Not reported
Owner ID:	Not reported
Last Billing Date:	Not reported
Last Payment Date:	Not reported
Last Payment Amount:	Not reported
Total Fee Amount:	Not reported
Total Amount Paid:	Not reported
Units:	Not reported
Financial Status:	Not reported
Phone:	4087223856
E-Mail:	Not reported
Last Activity Date:	Not reported
Prior Inspection Date:	Not reported
Current Inspection Date:	Not reported
Record ID:	PR0635230

CERS TANKS:

Site ID:	335090
CERS ID:	44290003
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	MARK PIROS
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:	Not reported

J32 **BERMAN STEEL** **SEMS-ARCHIVE** **1003878320**
SSE **627 WALKER ST** **HIST Cal-Sites** **CAD029625787**
1/4-1/2 **WATSONVILLE, CA 95076** **HIST UST**
0.343 mi.
1813 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
30 ft.

SEMS Archive:

Site ID:	901295
EPA ID:	CAD029625787
Cong District:	16
FIPS Code:	6087
FF:	N
NPL:	Not on the NPL

BERMAN STEEL (Continued) **1003878320**

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 9
Site ID: 901295
EPA ID: CAD029625787
Site Name: BERMAN STEEL
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-10-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 901295
EPA ID: CAD029625787
Site Name: BERMAN STEEL
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-10-01 00:00:00
Finish Date: 1985-10-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 901295
EPA ID: CAD029625787
Site Name: BERMAN STEEL
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1987-10-01 00:00:00
Qual: N
Current Action Lead: EPA Perf

Calsite:

Region: BERKELEY
Facility ID: 44290003
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: NC
Branch Name: NORTH COAST
File Name: Not reported

BERMAN STEEL (Continued) **1003878320**

State Senate District: 05011981
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: N/A
NPL: Not Listed
SIC Code: 29
SIC Name: MANU - PETROLEUM & COAL PRODUCTS
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: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported
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: 28
State Senate District Code: 15
Facility ID: 44290003
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05011981
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: 627 WALKER STREET
Alternate City,St,Zip: WATSONVILLE, CA 95077
Alternate Address: 627 WALKER ST
Alternate City,St,Zip: WATSONVILLE, CA 95076
Alternate Address: 627 WALKER ST
Alternate City,St,Zip: WATSONVILLE, CA 95076
Background Info: The Watsonville site was one of two sites Berman Steel used for the purpose of transformer dismantling and salvaging. It had the higher level of PCB contamination & was the first to be cleaned up.
Comments Date: 05011981

BERMAN STEEL (Continued) **1003878320**

Comments:	Certified Site. According to the Auditor General's report,
Comments Date:	05011981
Comments:	18,000 gallons of oil & 20 cubic yards of contaminated soil
Comments Date:	05011981
Comments:	were removed. A note in the file dated 4/26/1983 indicates that
Comments Date:	05011981
Comments:	the Watsonville site was the first to be cleaned up. The May 1,
Comments Date:	05011981
Comments:	1981 date was selected because the Auditor General's Report
Comments Date:	05011981
Comments:	indicated that the clean up occured in May 1981. May 1, 1981
Comments Date:	05011981
Comments:	gives the earliest statute of limitations.
ID Name:	CALSTARS CODE
ID Value:	200014
Alternate Name:	BERMAN STEEL
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

HIST UST:

File Number:	00020AE6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020AE6.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
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:

K33 **PAJARO VALLEY BANK** **LUST** **S102434929**
ESE **655 MAIN ST** **CERS** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.360 mi.
1902 ft. **Site 1 of 3 in cluster K**

Relative:
Higher

Actual:
37 ft.

LUST:

Lead Agency:	SANTA CRUZ COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700109
Global Id:	T0608700109
Latitude:	36.9139849
Longitude:	-121.761054
Status:	Completed - Case Closed
Status Date:	08/01/1989
Case Worker:	Not reported
RB Case Number:	2545
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:	T0608700109
Action Type:	ENFORCEMENT
Date:	06/12/1995
Action:	13267 Requirement

Global Id:	T0608700109
Action Type:	Other
Date:	06/15/1995
Action:	Leak Reported

Global Id:	T0608700109
Action Type:	Other
Date:	07/24/1989
Action:	Leak Discovery

LUST:

Global Id:	T0608700109
Status:	Open - Case Begin Date
Status Date:	07/24/1989

Global Id:	T0608700109
Status:	Completed - Case Closed
Status Date:	08/01/1989

LUST REG 3:

Region:	3
Regional Board:	Central Coast Region
Facility County:	Santa Cruz
Global ID:	T0608700109
Status:	Case Closed
Case Number:	2545
Local Case Num:	Not reported
Case Type:	S

PAJARO VALLEY BANK (Continued) **S102434929**

Substance:	Gasoline
Quantity:	Not reported
Abatement Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Cap Site - install horizontal impermeable layer to reduce rainfall infiltration
Leak Source:	UNK
Leak Cause:	UNK
How Stopped:	Not reported
How Discovered:	OM
Release Date:	06/15/1995
Discovered Date:	7/24/89
Enter Date:	06/30/1995
Stop Date:	Not reported
Review Date:	06/30/1995
Enforce Date:	Not reported
Close Date:	8/1/89
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:	MTK
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:	36.9136611 / -121.7604864
Soil Qualifier:	Not reported
Grnd Wtr Qualifier:	Not reported
Mtbe Concentratn:	0
Mtbe Fuel:	1
Org Name:	Not reported
Basin Plan:	5.10
Beneficial:	Not reported
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	WELL 03
Distance From Well:	0
Assigned Name:	12S/02E-08A03 M
Summary:	**** CASE CLOSED ****

PAJARO VALLEY BANK (Continued) **S102434929**

CERS TANKS:
Site ID: 223728
CERS ID: T0608700109
CERS Description: Leaking Underground Storage Tank Cleanup Site

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K34 **AAMCO** **LUST** **S104162797**
ESE **640 MAIN ST** **HIST UST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **HIST CORTESE**
0.381 mi. **CERS**
2011 ft. **Site 2 of 3 in cluster K**

Relative: Higher
Actual: 38 ft.

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700209
Global Id: T0608700209
Latitude: 36.9147261
Longitude: -121.7610235
Status: Completed - Case Closed
Status Date: 06/05/2002
Case Worker: Not reported
RB Case Number: 478
Local Agency: Not reported
File Location: Not reported
Local Case Number: RO0000032
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608700209
Action Type: ENFORCEMENT
Date: 06/12/2002
Action: Closure/No Further Action Letter

Global Id: T0608700209
Action Type: Other
Date: 10/01/1987
Action: Leak Reported

Global Id: T0608700209
Action Type: ENFORCEMENT
Date: 07/09/2002
Action: Closure/No Further Action Letter

LUST:
Global Id: T0608700209
Status: Open - Case Begin Date
Status Date: 10/01/1987

Global Id: T0608700209
Status: Open - Site Assessment
Status Date: 10/23/2000

Global Id: T0608700209
Status: Open - Verification Monitoring
Status Date: 04/05/2002

AAMCO (Continued) **S104162797**

Global Id: T0608700209
Status: Completed - Case Closed
Status Date: 06/05/2002

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700209
Status: Case Closed
Case Number: 478
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: Corrosion
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 10/01/1987
Discovered Date: Not reported
Enter Date: 10/09/1987
Stop Date: Not reported
Review Date: 03/11/2002
Enforce Date: Not reported
Close Date: 6/5/02
Enforcement Type: Not reported
Responsible Party: PETER DWARES
RP Address: 331 FILBERT ST
Contact: Not reported
Cross Street: FORD & FIFTH STREETS
Local Agency: 44000
Lead Agency: Regional Board
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 10/23/2000
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: 04/05/2002
Pilot Program: UST
Interim Action: Not reported
Funding: Not reported
MTBE Class: Not reported
Max MTBE Grnd Wtr: 1
Max MTBE Soil: 44
Max MTBE Data: 04/05/2002
MTBE Tested: YES
Lat/Long: 36.9147261 / -121.7610235
Soil Qualifier: =
Grnd Wtr Qualifier: <
Mtbe Concentratn: 1
Mtbe Fuel: 1

AAMCO (Continued) **S104162797**

Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 03
Distance From Well: 0
Assigned Name: 12S/02E-08A03 M
Summary: 9-21-87 SOIL SAMPLE RESULTS: THC AS GASOLINE = 4000 PPM. CASE CLOSED ON LOCAL LEVEL 10/88. PROPERTY TRANSACTION IMV. IN 2000 DETECTED HIGH LEVELS OF TPHD (88,000 PPB) AND TPHG (44,000 PPB) IN GROUNDWATER. THIRTEEN HYDRAULIC HOISTS REMOVED 945 CY SOIL E

HIST UST:
File Number: 00020C8B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C8B.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

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:

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 478

AAMCO (Continued) **S104162797**

CERS TANKS:
Site ID: 221055
CERS ID: T0608700209
CERS Description: Leaking Underground Storage Tank Cleanup Site

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L35 **SHELL OIL COMPANY #2** **ENVIROSTOR** **S106455258**
South **401 FORD STREET** **LUST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **CPS-SLIC**
0.382 mi. **CERS**
2017 ft. **Site 1 of 4 in cluster L**

Relative: **Lower**
Actual: **23 ft.**

ENVIROSTOR:
Facility ID: 44510008
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: Not reported
Senate: Not reported
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.90931
Longitude: -121.7683
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 44510008
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

SHELL OIL COMPANY #2 (Continued) **S106455258**

LUST:
- Lead Agency: CENTRAL COAST RWQCB (REGION 3)
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0608789109
- Global Id: SL0608789109
- Latitude: 36.923077
- Longitude: -121.754452
- Status: Completed - Case Closed
- Status Date: 10/25/1996
- Case Worker: Not reported
- RB Case Number: Not reported
- Local Agency: Not reported
- File Location: Not reported
- Local Case Number: Not reported
- Potential Media Affect: Soil
- Potential Contaminants of Concern: Diesel, Gasoline
- Site History: Not reported

LUST:
- Global Id: SL0608789109
- Action Type: Other
- Date: 09/26/1996
- Action: Leak Stopped

- Global Id: SL0608789109
- Action Type: Other
- Date: 12/07/1992
- Action: Leak Reported

- Global Id: SL0608789109
- Action Type: REMEDIATION
- Date: 09/25/1996
- Action: Excavation

LUST:
- Global Id: SL0608789109
- Status: Open - Case Begin Date
- Status Date: 12/07/1992

- Global Id: SL0608789109
- Status: Open - Site Assessment
- Status Date: 12/07/1995

- Global Id: SL0608789109
- Status: Completed - Case Closed
- Status Date: 10/25/1996

SLIC REG 3:
- Region: 3
- Leak Site Cross Street: Not reported
- Regional Board Case#: S153
- Entered Into Database: Not reported
- Discovered: Not reported
- RB Case In: SHELL OIL COMPANY; CITY OF WATSONVILLE
- Responsible Party: STEVE PALMISANO

SHELL OIL COMPANY #2 (Continued) **S106455258**

RP Contact:	Not reported
RP Phone:	Not reported
RP Number:	Not reported
RP Address:	401 PANABAKER LANE
RP City,St,Zip:	WATSONVILLE, CA 95076
Date First Reported:	7-Dec-92
Lead Agency:	Not reported
Program Type:	SLIC
Facility Status:	Leak Being Confirmed
Case Type:	Soil only
Case Type Undetermined:	No
Case Type Soil Impacted:	Yes
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

CERS TANKS:

Site ID:	247624
CERS ID:	SL0608789109
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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K36 **WATSONVILLE COLD STORAGE** **ENVIROSTOR** **S101482432**
ESE **625 MAIN STREET** **HAZNET** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **NPDES**
0.399 mi. **CIWQS**
2107 ft. **Site 3 of 3 in cluster K**

Relative:
Higher

Actual:
37 ft.

ENVIROSTOR:

Facility ID:	44420008
Status:	Refer: Other Agency
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:	30
Senate:	17
Special Program:	* Rural County Survey Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.91334
Longitude:	-121.7607
APN:	018-142-31
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	018-142-31

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Alias Type: APN
Alias Name: 44420008
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 WATSONVILLE CITY FIRE DEPARTMENT OLD COLD STORAGE FACILITY; POSSIBLE USE OF ASBESTOS.

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

HAZNET:
envid: S101482432
Year: 2016
GEPAID: CAL000407065
Contact: HEATHER MARK
Telephone: 8316622800
Mailing Name: Not reported
Mailing Address: 625 MAIN ST
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125
Cat Decode: Aqueous solution with total organic residues 10 percent or more
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Santa Cruz

envid: S101482432
Year: 2015
GEPAID: CAL000407065
Contact: HEATHER MARK
Telephone: 8316622800
Mailing Name: Not reported
Mailing Address: 625 MAIN ST
Mailing City,St,Zip: WATSONVILLE, CA 95076
Gen County: Santa Cruz
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Tons: 0.125
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Santa Cruz

NPDES:

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 44NEC000228
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:	Active
Status Date:	08/03/2015
Operator Name:	MSB Technology
Operator Address:	625 Main Street
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95076

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	3
Regulatory Measure ID:	459547
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	3 44NEC000228
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/03/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	MSB Technology
Discharge Address:	625 Main Street
Discharge City:	Watsonville
Discharge State:	California
Discharge Zip:	95076
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Regulatory Measure ID:	459547
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44NEC000228
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:	07/29/2015
Processed Date:	08/03/2015
Status:	Active
Status Date:	08/03/2015
Place Size:	14000
Place Size Unit:	SqFt
Contact:	Larry Gullman
Contact Title:	owner
Contact Phone:	831-216-3300
Contact Phone Ext:	Not reported
Contact Email:	robin@msbtech.com
Operator Name:	MSB Technology
Operator Address:	625 Main Street
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95076
Operator Contact:	Larry Gullman
Operator Contact Title:	owner
Operator Contact Phone:	831-216-3300
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	robin@msbtech.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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

WATSONVILLE COLD STORAGE (Continued) **S101482432**

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:	Not reported
Certifier:	Jonathan Gullman
Certifier Title:	owner
Certification Date:	29-SEP-16
Primary Sic:	3651-Household Audio and Video Equipment
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Active
NPDES Number:	CAS000001
Region:	3
Agency Number:	0
Regulatory Measure ID:	459547
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	3 44NEC000228
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/03/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	625 Main Street
Discharge Name:	MSB Technology
Discharge City:	Watsonville
Discharge State:	California
Discharge Zip:	95076
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	3
Regulatory Measure ID:	459547
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	3 44NEC000228
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/03/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Discharge Name:	MSB Technology
Discharge Address:	625 Main Street
Discharge City:	Watsonville
Discharge State:	California
Discharge Zip:	95076
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3
Regulatory Measure ID:	459547
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44NEC000228
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:	07/29/2015
Processed Date:	08/03/2015
Status:	Active
Status Date:	08/03/2015
Place Size:	14000
Place Size Unit:	SqFt
Contact:	Larry Gullman
Contact Title:	owner
Contact Phone:	831-216-3300
Contact Phone Ext:	Not reported
Contact Email:	robin@msbtech.com
Operator Name:	MSB Technology
Operator Address:	625 Main Street
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95076
Operator Contact:	Larry Gullman
Operator Contact Title:	owner
Operator Contact Phone:	831-216-3300
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	robin@msbtech.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

WATSONVILLE COLD STORAGE (Continued) **S101482432**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Not reported
Certifier:	Jonathan Gullman
Certifier Title:	owner
Certification Date:	29-SEP-16
Primary Sic:	3651-Household Audio and Video Equipment
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	MSB Technology
Agency Address:	625 Main Street, Watsonville, CA 95076
Place/Project Type:	Industrial - Household Audio and Video Equipment
SIC/NAICS:	3651
Region:	3
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	3 44NEC000228
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	08/03/2015
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:	36.91328
Longitude:	-121.76074

L37 **FARMERS PROCESSING INC** **LUST** **U001602205**
South **274 KEARNEY EXT** **HIST UST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **HIST CORTESE**
0.413 mi. **NPDES**
2179 ft. **Site 2 of 4 in cluster L** **CIWQS**

Relative:
Lower

Actual:
23 ft.

LUST:

Lead Agency:	SANTA CRUZ COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700215
Global Id:	T0608700215
Latitude:	36.9083075
Longitude:	-121.7657375
Status:	Completed - Case Closed
Status Date:	10/24/1986
Case Worker:	TE
RB Case Number:	484
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:	T0608700215
Contact Type:	Local Agency Caseworker
Contact Name:	TIM EPPERSON
Organization Name:	SANTA CRUZ COUNTY
Address:	701 Ocean Street, Room 312
City:	Santa Cruz
Email:	tim.epperson@co.santa-cruz.ca.us
Phone Number:	8314542753

LUST:

Global Id:	T0608700215
Action Type:	ENFORCEMENT
Date:	06/25/1996
Action:	Closure/No Further Action Letter
Global Id:	T0608700215
Action Type:	Other
Date:	04/08/1986
Action:	Leak Discovery
Global Id:	T0608700215
Action Type:	ENFORCEMENT
Date:	06/20/1986
Action:	* Historical Enforcement
Global Id:	T0608700215
Action Type:	Other
Date:	04/08/1986
Action:	Leak Reported
Global Id:	T0608700215
Action Type:	Other
Date:	07/01/1985
Action:	Leak Stopped

FARMERS PROCESSING INC (Continued) **U001602205**

LUST:
Global Id: T0608700215
Status: Open - Case Begin Date
Status Date: 07/01/1985

Global Id: T0608700215
Status: Completed - Case Closed
Status Date: 10/24/1986

HIST UST:
File Number: 00020B9E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020B9E.pdf
Region: STATE
Facility ID: 00000011765
Facility Type: Other
Other Type: COLD STORAGE
Contact Name: MARGARET W. BOE
Telephone: 4077241144
Owner Name: FARMERS COLD STORAGE & FREEZER
Owner Address: 274 KEARNEY ST. EXT.
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0001

Tank Num: 001
Container Num: 40
Year Installed: 1960
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

Tank Num: 001
Container Num: 40
Year Installed: 1960
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 484

NPDES:
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported

FARMERS PROCESSING INC (Continued) **U001602205**

Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	3 44I001662
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:	03/27/1992
Operator Name:	Farmers Processing Inc
Operator Address:	PO Box 608
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95077

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3
Regulatory Measure ID:	274223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44I001662
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:	03/27/1992
Status:	Terminated
Status Date:	03/27/1992
Place Size:	4
Place Size Unit:	Acres
Contact:	Ray Rodriguez
Contact Title:	Not reported
Contact Phone:	831-728-0157
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Farmers Processing Inc
Operator Address:	PO Box 608
Operator City:	Watsonville
Operator State:	California

FARMERS PROCESSING INC (Continued) **U001602205**

Operator Zip:	95077
Operator Contact:	Ray Rodriguez
Operator Contact Title:	Not reported
Operator Contact Phone:	831-728-0157
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:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	831-728-0157
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Pacific Ocean
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	2037-Frozen Fruits, Fruit Juices, and Vegetables
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

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 44I019085
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

FARMERS PROCESSING INC (Continued) **U001602205**

Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/19/2014
Operator Name:	Farmers Processing Inc
Operator Address:	PO Box 608
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95077

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3
Regulatory Measure ID:	186598
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44I019085
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:	09/19/2014
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:	10/05/2004
Status:	Terminated
Status Date:	09/19/2014
Place Size:	4
Place Size Unit:	Acres
Contact:	RAY Rodriguez
Contact Title:	Not reported
Contact Phone:	8317241144
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Farmers Processing Inc
Operator Address:	PO Box 608
Operator City:	Watsonville
Operator State:	California
Operator Zip:	95077
Operator Contact:	RAY Rodriguez
Operator Contact Title:	Not reported
Operator Contact Phone:	831-724-1144
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

FARMERS PROCESSING INC (Continued) **U001602205**

Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	831-724-1144
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Y
Receiving Water Name:	Harkins Slough
Certifier:	Ray P Rodriguez
Certifier Title:	Ceo
Certification Date:	27-AUG-04
Primary Sic:	2037-Frozen Fruits, Fruit Juices, and Vegetables
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Farmers Processing Inc
Agency Address:	PO Box 608, Watsonville, CA 95077
Place/Project Type:	Industrial - Frozen Fruits, Fruit Juices, and Vegetables
SIC/NAICS:	2037
Region:	3
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	3 44I019085
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/05/2004
Termination Date:	09/19/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	36.90794
Longitude:	-121.76849

FARMERS PROCESSING INC (Continued) **U001602205**

Agency:	Farmers Processing Inc
Agency Address:	PO Box 608, Watsonville, CA 95077
Place/Project Type:	Industrial - Frozen Fruits, Fruit Juices, and Vegetables
SIC/NAICS:	2037
Region:	3
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	3 44I001662
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/27/1992
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:	36.90794
Longitude:	-121.76849

L38 **FARMERS COLD STORAGE** **CPS-SLIC S118172407**
South **274 KEARNEY STREET EXTENSION** **CERS N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.413 mi.
2179 ft. **Site 3 of 4 in cluster L**

Relative: **Lower**

Actual: **23 ft.**

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/23/2016
Global Id:	T10000007750
Lead Agency:	SANTA CRUZ COUNTY
Lead Agency Case Number:	RO0000359
Latitude:	36.90847
Longitude:	-121.76726
Case Type:	Cleanup Program Site
Case Worker:	SC
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:	Sediments, Soil
Potential Contaminants of Concern:	Chromium VI, Lead, Polynuclear aromatic hydrocarbons (PAHs), Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Phase I/II ESA report dated 06/25/2015 identifies elevated chemical concentrations in near surface soils at the site. Work Plan dated 07/21/2015 proposes remedial excavation of impacted soil. Remedial excavation report dated 11/20/2015 describes excavation activities and confirms remaining soil concentrations below commercial and industrial screening levels. Covenant and Environmental Restriction on Property recorded with Santa Cruz County on 1/20/2016, describes environmental restriction on the property related to remaining chemical concentrations.

FARMERS COLD STORAGE (Continued) **S118172407**

Click here to access the California GeoTracker records for this facility:

CERS TANKS:

Site ID:	358917
CERS ID:	T10000007750
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:	Not reported

L39 **FARMERS COLD STORAGE & FREEZER** **LUST S105033372**
South **274 KEARNEY ST** **CERS N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.413 mi.
2179 ft. **Site 4 of 4 in cluster L**

Relative:
Lower

Actual:
23 ft.

LUST REG 3:

Region:	3
Regional Board:	Central Coast Region
Facility County:	Santa Cruz
Global ID:	T0608700215
Status:	Case Closed
Case Number:	484
Local Case Num:	Not reported
Case Type:	S
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:	04/08/1986
Discovered Date:	4/8/86
Enter Date:	12/31/1986
Stop Date:	7/1/85
Review Date:	10/24/1986
Enforce Date:	6/20/86
Close Date:	10/24/86
Enforcement Type:	EF
Responsible Party:	Not reported
RP Address:	Not reported
Contact:	Not reported
Cross Street:	274 KEARNEY STREET
Local Agency:	44000
Lead Agency:	Local Agency
Staff Initials:	MTK
Confirm Leak:	Not reported

FARMERS COLD STORAGE & FREEZER (Continued) **S105033372**

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: 36.9082262 / -121.7659827
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 03
Distance From Well: 0
Assigned Name: 12S/02E-08A03 M
Summary: SITE LEFT OPEN IN SECURE AREA UNTIL RESULTS OF SOIL SAMPLES WERE PROCESSED. CONTAMINATED SOIL WAS REMOVED AND HOLE WAS BACKFILLED.

CERS TANKS:
Site ID: 243490
CERS ID: T0608700215
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TIM EPPERSON - 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: 8314542753

M40 **PG AND E WATSONVILLE** **EDR MGP** **1008407789**
ESE **618 MAIN ST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.424 mi.
2241 ft. **Site 1 of 7 in cluster M**

Relative: Higher
Actual: 37 ft.

Manufactured Gas Plants:

Pacific Gas and Electric Company's (PG and E's) property was the former PG and E Watsonville-1 Manufactured Gas Plant (MGP) which operated from approximately 1871 to 1906. Currently a restaurant leases the former customer service building.

M41 **PG&E, WATSONVILLE SITE #1** **Notify 65** **S100177955**
ESE **618 MAIN STREET** **N/A**
1/4-1/2 **WATSONVILLE, CA 93208**
0.424 mi.
2241 ft. **Site 2 of 7 in cluster M**

Relative: Higher
Actual: 37 ft.

NOTIFY 65:

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

M42 **PG&E, WATSONVILLE #1 MGP** **ENVIROSTOR** **S106455245**
ESE **618 MAIN STREET** **CPS-SLIC** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **VCP**
0.424 mi. **DEED**
2241 ft. **Site 3 of 7 in cluster M** **CERS**

Relative: Higher
Actual: 37 ft.

ENVIROSTOR:

Facility ID:	44490007
Status:	Certified / Operation & Maintenance
Status Date:	06/30/2015
Site Code:	202034
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Mark Piros
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Assembly:	30
Senate:	17
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	RES
Funding:	Responsible Party
Latitude:	36.91365
Longitude:	-121.7596
APN:	018-151-26, 01815126
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	Benzene Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	Benzene Polynuclear aromatic hydrocarbons (PAHs

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Potential Description: OTH, SOIL, SV
Alias Name: JALISCO RESTAURANT
Alias Type: Alternate Name
Alias Name: Romo Properties
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT - WATSONVILLE #1
Alias Type: Alternate Name
Alias Name: 018-151-26
Alias Type: APN
Alias Name: 01815126
Alias Type: APN
Alias Name: CAD981416167
Alias Type: EPA Identification Number
Alias Name: 110033611134
Alias Type: EPA (FRS #)
Alias Name: SLT3S1091318
Alias Type: GeoTracker Global ID
Alias Name: 200278
Alias Type: Project Code (Site Code)
Alias Name: 202034
Alias Type: Project Code (Site Code)
Alias Name: 44490007
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: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/03/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/04/2010
Comments: The Report describes the efforts to collect soil gas samples in order to evaluate the distribution of vapor-phase organic constituents at the Site and to supplement the existing Site analytical data. The information will be used to develop the remediation goals for the Site. The Report shows TPHg, TPHd and TPHmo were detected in soil samples at concentrations up to 43 mg/kg, 1,200 mg/kg, and 1,200 mg/kg, respectively. The higher concentrations were found in borings TPG-2 and TPG-3, which were consistent with previous investigations. Polycyclic Aromatic Hydrocarbons (PAH s) in soil samples were found to range from background/non-detect to 2.08 mg/kg with one sample reaching 8.02 mg/kg. These values were also consistent with previous investigations. Metals concentrations were near background levels with some elevated levels of Arsenic and Lead. Soil gas data shows higher levels of VOC s in the eastern portion of the parking lot, consistent with areas of elevated soil impacts found in previous investigations. Soil gas data from locations immediately adjacent to the building were reported at concentrations below residential CHHSL

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

s.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/30/2009
Comments: The Addendum to add soil gas and ground water wells to Watsonville #1 has been reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: As in previous sampling events, the highest concentrations of key constituents were observed at upgradient well MW-WAT1-3, where detected compounds included TPHg, TPHd, benzene, toluene, ethylbenzene, total xylenes, PAHs, and ammonia. As illustrated in Figures 5 and 6, while an increasing trend in the concentrations of TPH, BTEX and select PAHs have been observed in well MW-WAT1-3 over the last three sampling events, an increase in groundwater elevations are also noted, consistent with istorical trends. The overall distribution of detected chemical constituents analyzed during this sampling event, as shown in Figure 4, indicates that impacted groundwater is limited to the eastern part of the Site in the vicinity of wells MW-WAT1-2, MW-WAT1-3, and MW-WAT1-4. Increasing concentrations of select compounds have been observed during this sampling event, as ompared to the spring and fall 2008 sampling events. Further, these increasing concentrations appear to be indicative of an increasing trend of TPH and BTEX concentrations in groundwater in this section of the Site. However, although these increasing concentrations have been observed since the April 2008 sampling event, these compounds continue to be non-detect at the downgradient wells. See the October 2009 Sampling Report for an update on groundwater conditions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/30/2009
Comments: The Watsonville #1 Community Profile is complete and approved by DTSC on November 30, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/29/2009
Comments: Work Notices for the soil gas and groundwater well fieldwork went out on September 28, 2009 in both English and Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2010
Comments: The Contingency Plan includes Screening Levels for Chemicals in Soil Gas, Subslab Soil Gas, and Indoor Air prepared by Iris Environmental. In addition, it presents steps to be taken in the event that elevated impacts are found in soil gas samples collected adjacent to the

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

restaurant building during semiannual soil gas sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/12/2009
Comments: Soil gas sampling took place on October 12, 2009. Preliminary results from the mobile lab indicate that it will not be necessary to implement the Contingency Plan dated October 1, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: Groundwater samples were collected from the seven on-site wells and were analyzed for TPH, BTEX, PAHs, arsenic, ammonia, and total cyanide. The groundwater sample from one well (MW-WAT1-2) was only analyzed for TPHg, BTEX and MTBE during this sampling event due to insufficient sample volume recovered from the well. In general, and consistent with the results of previous sampling events, the highest concentrations of BTEX, PAHs, ammonia (as nitrogen) and total cyanide in the groundwater sample were detected from well MW-WAT1-3, located on the northeastern portion of the Property. TPHd, and ammonia (as nitrogen) were also detected in the groundwater samples from wells MW-WAT1-4 and MW-WAT1-6. However, because of the proximity of the newly installed well MW-WAT1-6 to the on-site restaurant kitchen, the initially high concentrations of TPHd and TPHmo detected at well MW-WAT1-6 were suspected to largely represent waste animal and vegetable oils. As such, the groundwater samples from well MW-WAT1-6 were re-analyzed for TPHd and TPHmo with a silica-gel cleanup and reported at concentrations significantly lower than the initial results, and lower than the TPHd concentration detected in the sample from upgradient well MW-WAT1-3. No compounds were detected in the groundwater samples collected at the three downgradient wells (MW-WAT1-1, MW-WAT1-5, and MW-WAT1-7) during this sampling event. The highest concentrations of key chemicals were observed in groundwater at upgradient well MW-WAT1-3. The results of 25 out of 26 sampling events demonstrate a general correlation between chemical concentrations and groundwater elevations in well MW-WAT1-3, where chemical concentrations generally tend to be higher during the spring/summer months and lower during the fall/winter months. The overall distribution of detected chemicals reported in groundwater samples during this sampling event indicates that impacted groundwater is generally limited to the eastern part of the Property in the vicinity of wells MW-WAT1-3, MW-WAT1-4, and MW-WAT1-6. Decreasing concentrations of select compounds such as TPHd, TPHg and BTEX have been observed during this sampling event as compared to the April 2008 sampling event, where increases in the concentrations of these chemicals were noted. These compounds continue to be non-detect at the downgradient wells MW-WAT1-5 and MW-WAT1-7), indicating that the contaminant plume appears to remain localized and in equilibrium. Based on the results of the TPHd and TPHmo analyses (with and without the silica-gel cleanup preparation step) of the groundwater sample collected from newly constructed well MW-WAT1-6, it is recommended that future groundwater samples collected from this well be analyzed for TPHd and TPHmo both with and without the silica-gel cleanup step. This modification to the analytical program will allow

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

differentiation between TPH fractions associated with possible waste animal and vegetable oils believed to be linked to restaurant operations and those associated with apparent MGP operations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/22/2011
Comments: Fact sheet to start to public comment period for the Draft Removal Action Workplan. The Draft Removal Action Workplan proposes removing contaminated soil around the planter areas and capping the site. A deed restriction would be recorded with Santa Cruz County to restrict the use to commercial/industrial use only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/20/2010
Comments: In early October 2009, field activities were conducted at the former Watsonville-1 MGP Property (1) to provide new permanent soil gas probes that will be sampled to augment currently available soil gas data, and (2) to provide additional groundwater monitoring wells to augment the existing on-site well network. With the exception of the deeper probe vapor inlet at probe location SG-1A, probe vapor inlets were installed at 5 feet and 14.5 feet bgs at each probe location (SG-2A through SG-6A, and SG-8 through SG-10). Due to the presence of shallow perched groundwater observed at approximately 13 feet bgs at location SG-1A, the deeper probe vapor inlet was set at 9 feet bgs. Monitoring wells MW-WAT1-6 and MW-WAT1-7 were installed with a screen depth interval of 19 to 34 feet bgs. Subsequent to installation, both wells were developed. The semi-annual groundwater program conducted since 1997 was expanded to include sampling of the soil gas probes and two new groundwater monitoring wells installed during this field event. The sampling results are to be presented in the corresponding semi-annual groundwater and soil gas monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC approved the April 2010 Groundwater and Soil Gas Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/22/2011
Comments: The public notice was published in the local newspaper for the start of the public comment period, which is scheduled from June 27 through July 31, 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/23/2011
Comments: PG&E's legal counsel submitted a letter to DTSC that discusses past ownership of the site and operation of the former manufactured gas

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

plant (MGP). The letter provides an analysis on why PG&E believes it is only responsible for the property where it formerly had a customer service center is not responsible for the entire area formerly occupied by the MGP. DTSC has concurred with PG&E's conclusion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC approved the October 2010 Groundwater and Soil Gas Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/14/2011
Comments: DTSC issued a response letter to the owner of the Jalisco Resturant informing them of the potential deed restication violation when the outdoor patio area was constructed in 2008. No enforcement action will be taken at this time since there are no known soil or groundwater impacts in the patio area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/22/2011
Comments: The fact sheet was sent out on June 24 for the start of the public comment period, which is scheduled from June 27 through July 31, 2011. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/29/2011
Comments: DTSC has approved the pilot study for the vapor extraction system. This will involve the installation of 3 vapor extraction wells to study the effects.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 02/24/2012
Comments: DTSC sent out a work notice to the community providing notification of the start of the removal actions. Field activites were scheduled to start on February 29, 2012 with the removal of contaminated soil, followed by site restoration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2012
Comments: DTSC approved the revised long-term groundwater and soil gas monitoring report with no significant changes in groundwater and soil gas results.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Document Type: Monitoring Report
Completed Date: 06/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/19/2013
Comments: DTSC do not have any comments on the report and concurs with the recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 09/28/2013
Comments: Ms. Stella Romo had provided the financial assurance cost estimate for the cap inspection and maintenance. The cost estimate is $25,000 for 30 years, including the cost of five-year reviews.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2014
Comments: The DTSC comment on the Groundwater and Soil Gas Monitoring Report regarding the location of groundwater level collection within the monitoring wells will be addressed during the next round of sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2014
Comments: DTSC reviewed the 3rd Quarter Groundwater and Soil Gas Monitoring Report and had no comments on the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/26/2015
Comments: The October 2014 Groundwater and Soil Gas Monitoring Report summarizes the results of the groundwater and soil gas monitoring activities performed in October 2014. Four groundwater monitoring wells and 10 permanent soil vapor probes were sampled. DTSC provided comments on the report and discussed with PG&E the sampling protocols for low flow purging and the purging volumes. DTSC comments will be addressed in future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2015
Comments: There were problems in collecting soil gas and groundwater samples due to low flow or no flow conditions. DTSC has provided some recommendations regarding collection of soil gas and groundwater samples due to low or no flow conditions and will be addressed in future sampling events.

Completed Area Name: PROJECT WIDE

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/18/2013
Comments: DTSC approved PG&E's financial assurance mechanism in the amount of $422,921 for the long-term monitoring of the soil gas and groundwater. A separate financial assurance mechanism will be obtained by the property owner for the long-term operation and maintenance of the cap.

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: 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. The scheduled project activities include the Groundwater and Soil Gas Monitoring Reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/23/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 04/06/2017
Comments: DTSC concurred with the Five-Year Review Report's findings that the remedy that was selected and implemented at the site (contaminated soil removal, encapsulation of contaminated soil in inaccessible areas, groundwater monitoring, and institutional controls) continues to be effective and protective of human health and the environment and is functioning as intended. Annual cap inspections were conducted during the reporting period with no reported problems. Three years of groundwater monitoring were performed that showed the concentrations of the chemicals of concern to be stable, decreasing, or below levels of concern. DTSC approved reducing the groundwater monitoring program from semi-annual to annual and approved a reducing the number of monitoring wells that are sampled. The next Five-year Review Report will be due to be completed by January 2022.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/16/2017
Comments: The 2016 Inspection Report documents the annual cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good condition and remain protective of human health and the environment. The Site was determined to be in compliance with the restrictions and requirements of the Land Use

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Covenant. The next inspection report is due to DTSC by January 15, 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/08/2016
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results of the October 2015 groundwater and soil gas sampling activities. Higher concentrations of total petroleum hydrocarbons and volatile organic compounds in the soil gas as compared to previous sampling events were detected in several monitoring wells. However, potential vapor intrusion impacts to the existing restaurant are still below levels of concern. The next sampling event is scheduled for April 2016 and the results will be assessed for potential temporal changes in soil gas concentrations at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2016
Comments: This Groundwater and Soil Gas Monitoring Report summarizes the results of the April and June 2016 groundwater and soil gas monitoring and sampling events. During the previous sampling event, detections of contaminants in soil gas were questionable due to the concentrations being significantly higher than the results from previous events and cross contamination from the sampling equipment was suspected. Modifications implemented for the latest soil gas sampling appears to have eliminated the cross contamination. DTSC concurs with the findings of this Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/13/2017
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results of the October 2016 groundwater and soil gas sampling activities. The results were consistent as compared to previous sampling events. The next sampling event is scheduled for April 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/28/2018
Comments: The 2017 Annual Inspection Report documents the cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good condition and remain protective of human health and the environment. The Site was determined to be in compliance with the restrictions and requirements of the recorded Land Use Covenant. The next inspection report is due to DTSC by January 15, 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2017
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

of the groundwater and soil gas sampling activities that were conducted in 2017. The results were consistent with previous sampling events. The next sampling event is scheduled for July 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/21/2016
Comments: The 2015 Inspection Report documents the cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good conditions and remain protective of human health and the environment. No repairs were needed in 2015. The next inspection report is due to DTSC by January 15, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/2015
Comments: DTSC certified the completion of the removal actions, which included limited contaminated soil removal in the planter areas and parking lot; capping of the remaining contaminated soil; recording a Land Use Covenant to restrict certain land uses. The soil gas and groundwater monitoring program will continue and there will be ongoing inspections to ensure the integrity of the cap and to verify compliance with the restrictions and requirements of the Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Release/Rescission
Completed Date: 07/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/26/2001
Comments: Recorded Deed Restriction limiting property to commercial/industrial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/18/1996
Comments: Signed Agreement with PG&E

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/24/2015
Comments: The Land Use Covenant that was recorded with the County of Santa Cruz restricts sensitive land uses on part of the Site due to manufactured gas plant (MGP)-related contaminated soil that was left in place. The contaminated soil has been capped. The Land Use Covenant requires that any disturbance of soil be done in accordance with a DTSC-approved Soil Management Plan and that the Site be inspected and a report submitted annually to verify compliance with the restrictions and requirements of the Land Use Covenant.

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: 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: Removal Action Completion Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1993
Comments: Completed PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/05/1987
Comments: PEA completed. The results of previous investigations indicate that subsurface soil contains residues characteristic of MGP by-products including polynuclear aromatic hydrocarbons (PNAs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/01/2012
Comments: The fieldwork has been completed to implement the DTSC-approved Final Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/01/2001

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2001
Comments: Semi-Annual Groundwater Monitoring and Sampling Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/01/1986
Comments: Historical Summary of former MGP in Watsonville

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2000
Comments: Semi-Annual Groundwater Sampling and Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/18/2003
Comments: Semi-Annual Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2004
Comments: Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2000
Comments: Semi-Annual Groundwater Monitoring and Sampling Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 09/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/19/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/01/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/06/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 06/16/2015
Comments: The Soil Management and Operation & Maintenance (O&M) Plan describes the procedures to be implemented for the annual cap inspection; 5-year review reporting requirements; groundwater and soil gas monitoring activities; and the safe handling and disposal of potentially contaminated soil that remains at the site if it is disturbed. An O&M Agreement between the Department and Pacific Gas

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

and Electric Company has been established to implement the Soil Management/O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/27/2011
Comments: DTSC has approved the Final Removal Action Workplan (RAW) for the former Watsonville-1 Manufactured Gas Plant Site. The RAW addressed soil, soil gas, and groundwater impacted with polynuclear aromatic hydrocarbons, volatile organic compounds, petroleum hydrocarbons, and metals. Cleanup actions consist of focused soil removal, capping, institutional controls, and soil gas and groundwater monitoring. Field activities are scheduled to begin in spring/summer of 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/04/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: The Operation and Maintenance (O&M) Agreement between DTSC and Romo Properties requires Five-Year Reviews and annual cap inspections. A separate O&M Agreement between PG&E and DTSC requres soil gas and groundwater monitoring.

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: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: The Operation and Maintenance (O&M) Agreement between DTSC and PG&E requires that Five-Year Reviews and ongoing soil gas and groundwater monitoring be performed.

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:
Region: STATE
Facility Status: **Open - Verification Monitoring**

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Status Date:	03/27/2001
Global Id:	SLT3S1091318
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	44490007
Latitude:	36.914368
Longitude:	-121.759815
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	SANTA CRUZ COUNTY
RB Case Number:	S154
File Location:	Not reported
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Not reported
Site History:	DTSC is the lead agency on this site. Additional information is available at: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id= 44490007 The site was Pacific Gas & Electric (PG&E) Company's former Manufactured Gas Plant (MGP) on Main Street in Watsonville. The MGP was operated from approximately 1871 to 1906 when the MGP operations were transferred to the property on Walker and Front Streets, known as the PG&E MGP Watsonville #2 site. In 1931, the existing building onsite was constructed and used as a customer service center. Currently a restaurant leases the former customer service building.

Click here to access the California GeoTracker records for this facility:

SLIC REG 3:

Region:	3
Leak Site Cross Street:	Not reported
Regional Board Case#:	S154
Entered Into Database:	Not reported
Discovered:	UNK
RB Case In:	PG&E
Responsible Party:	MR. FREDERICK FLINT
RP Contact:	Not reported
RP Phone:	Not reported
RP Number:	Not reported
RP Address:	3400 CROW CANYON RD
RP City,St,Zip:	SAN RAMON, CA 94583
Date First Reported:	Not reported
Lead Agency:	Local Agency
Program Type:	SLIC
Facility Status:	Post Remediation Action Monitoring
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:	1632100

VCP:

Facility ID:	44490007
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Site Mgmt. Req.:	RES
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Mark Piros
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Site Code:	202034
Assembly:	30
Senate:	17
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified / Operation & Maintenance
Status Date:	06/30/2015
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	36.91365 / -121.7596
APN:	018-151-26, 01815126
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30003, 30019
Confirmed COC:	30003,30019
Potential Description:	OTH, SOIL, SV
Alias Name:	JALISCO RESTAURANT
Alias Type:	Alternate Name
Alias Name:	Romo Properties
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT - WATSONVILLE #1
Alias Type:	Alternate Name
Alias Name:	018-151-26
Alias Type:	APN
Alias Name:	01815126
Alias Type:	APN
Alias Name:	CAD981416167
Alias Type:	EPA Identification Number
Alias Name:	110033611134
Alias Type:	EPA (FRS #)
Alias Name:	SLT3S1091318
Alias Type:	GeoTracker Global ID
Alias Name:	200278
Alias Type:	Project Code (Site Code)
Alias Name:	202034
Alias Type:	Project Code (Site Code)
Alias Name:	44490007
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:	10/09/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	01/03/2008
Comments:	Not reported

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/04/2010
Comments: The Report describes the efforts to collect soil gas samples in order to evaluate the distribution of vapor-phase organic constituents at the Site and to supplement the existing Site analytical data. The information will be used to develop the remediation goals for the Site. The Report shows TPHg, TPHd and TPHmo were detected in soil samples at concentrations up to 43 mg/kg, 1,200 mg/kg, and 1,200 mg/kg, respectively. The higher concentrations were found in borings TPG-2 and TPG-3, which were consistent with previous investigations. Polycyclic Aromatic Hydrocarbons (PAH s) in soil samples were found to range from background/non-detect to 2.08 mg/kg with one sample reaching 8.02 mg/kg. These values were also consistent with previous investigations. Metals concentrations were near background levels with some elevated levels of Arsenic and Lead. Soil gas data shows higher levels of VOC s in the eastern portion of the parking lot, consistent with areas of elevated soil impacts found in previous investigations. Soil gas data from locations immediately adjacent to the building were reported at concentrations below residential CHHSL s.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/30/2009
Comments: The Addendum to add soil gas and ground water wells to Watsonville #1 has been reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: As in previous sampling events, the highest concentrations of key constituents were observed at upgradient well MW-WAT1-3, where detected compounds included TPHg, TPHd, benzene, toluene, ethylbenzene, total xylenes, PAHs, and ammonia. As illustrated in Figures 5 and 6, while an increasing trend in the concentrations of TPH, BTEX and select PAHs have been observed in well MW-WAT1-3 over the last three sampling events, an increase in groundwater elevations are also noted, consistent with istorical trends. The overall distribution of detected chemical constituents analyzed during this sampling event, as shown in Figure 4, indicates that impacted groundwater is limited to the eastern part of the Site in the vicinity of wells MW-WAT1-2, MW-WAT1-3, and MW-WAT1-4. Increasing concentrations of select compounds have been observed during this sampling event, as ompared to the spring and fall 2008 sampling events. Further, these increasing concentrations appear to be indicative of an increasing trend of TPH and BTEX concentrations in groundwater in this section of the Site. However, although these increasing concentrations have been observed since the April 2008 sampling event, these compounds continue to be non-detect at the downgradient wells. See the October 2009 Sampling Report for an update on groundwater conditions.

Completed Area Name: PROJECT WIDE

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/30/2009
Comments: The Watsonville #1 Community Profile is complete and approved by DTSC on November 30, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/29/2009
Comments: Work Notices for the soil gas and groundwater well fieldwork went out on September 28, 2009 in both English and Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2010
Comments: The Contingency Plan includes Screening Levels for Chemicals in Soil Gas, Subslab Soil Gas, and Indoor Air prepared by Iris Environmental. In addition, it presents steps to be taken in the event that elevated impacts are found in soil gas samples collected adjacent to the restaurant building during semiannual soil gas sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/12/2009
Comments: Soil gas sampling took place on October 12, 2009. Preliminary results from the mobile lab indicate that it will not be necessary to implement the Contingency Plan dated October 1, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: Groundwater samples were collected from the seven on-site wells and were analyzed for TPH, BTEX, PAHs, arsenic, ammonia, and total cyanide. The groundwater sample from one well (MW-WAT1-2) was only analyzed for TPHg, BTEX and MTBE during this sampling event due to insufficient sample volume recovered from the well. In general, and consistent with the results of previous sampling events, the highest concentrations of BTEX, PAHs, ammonia (as nitrogen) and total cyanide in the groundwater sample were detected from well MW-WAT1-3, located on the northeastern portion of the Property. TPHd, and ammonia (as nitrogen) were also detected in the groundwater samples from wells MW-WAT1-4 and MW-WAT1-6. However, because of the proximity of the newly installed well MW-WAT1-6 to the on-site restaurant kitchen, the initially high concentrations of TPHd and TPHmo detected at well MW-WAT1-6 were suspected to largely represent waste animal and vegetable oils. As such, the groundwater samples from well MW-WAT1-6 were re-analyzed for TPHd and TPHmo with a silica-gel cleanup and reported at concentrations significantly lower than the initial results, and lower than the TPHd concentration detected in the sample from upgradient well MW-WAT1-3. No compounds were detected in the groundwater samples collected at the three downgradient wells (MW-WAT1-1, MW-WAT1-5, and MW-WAT1-7) during this sampling event. The highest concentrations of key chemicals were observed in groundwater

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

at upgradient well MW-WAT1-3. The results of 25 out of 26 sampling events demonstrate a general correlation between chemical concentrations and groundwater elevations in well MW-WAT1-3, where chemical concentrations generally tend to be higher during the spring/summer months and lower during the fall/winter months. The overall distribution of detected chemicals reported in groundwater samples during this sampling event indicates that impacted groundwater is generally limited to the eastern part of the Property in the vicinity of wells MW-WAT1-3, MW-WAT1-4, and MW-WAT1-6. Decreasing concentrations of select compounds such as TPHd, TPHg and BTEX have been observed during this sampling event as compared to the April 2008 sampling event, where increases in the concentrations of these chemicals were noted. These compounds continue to be non-detect at the downgradient wells MW-WAT1-5 and MW-WAT1-7), indicating that the contaminant plume appears to remain localized and in equilibrium. Based on the results of the TPHd and TPHmo analyses (with and without the silica-gel cleanup preparation step) of the groundwater sample collected from newly constructed well MW-WAT1-6, it is recommended that future groundwater samples collected from this well be analyzed for TPHd and TPHmo both with and without the silica-gel cleanup step. This modification to the analytical program will allow differentiation between TPH fractions associated with possible waste animal and vegetable oils believed to be linked to restaurant operations and those associated with apparent MGP operations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/22/2011
Comments: Fact sheet to start to public comment period for the Draft Removal Action Workplan. The Draft Removal Action Workplan proposes removing contaminated soil around the planter areas and capping the site. A deed restriction would be recorded with Santa Cruz County to restrict the use to commercial/industrial use only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/20/2010
Comments: In early October 2009, field activities were conducted at the former Watsonville-1 MGP Property (1) to provide new permanent soil gas probes that will be sampled to augment currently available soil gas data, and (2) to provide additional groundwater monitoring wells to augment the existing on-site well network. With the exception of the deeper probe vapor inlet at probe location SG-1A, probe vapor inlets were installed at 5 feet and 14.5 feet bgs at each probe location (SG-2A through SG-6A, and SG-8 through SG-10). Due to the presence of shallow perched groundwater observed at approximately 13 feet bgs at location SG-1A, the deeper probe vapor inlet was set at 9 feet bgs. Monitoring wells MW-WAT1-6 and MW-WAT1-7 were installed with a screen depth interval of 19 to 34 feet bgs. Subsequent to installation, both wells were developed. The semi-annual groundwater program conducted since 1997 was expanded to include sampling of the soil gas probes and two new groundwater monitoring wells installed during this field event. The sampling results are to be presented in the corresponding semi-annual groundwater and soil gas monitoring reports.

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC approved the April 2010 Groundwater and Soil Gas Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/22/2011
Comments: The public notice was published in the local newspaper for the start of the public comment period, which is scheduled from June 27 through July 31, 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/23/2011
Comments: PG&E's legal counsel submitted a letter to DTSC that discusses past ownership of the site and operation of the former manufactured gas plant (MGP). The letter provides an analysis on why PG&E believes it is only responsible for the property where it formerly had a customer service center is not responsible for the entire area formerly occupied by the MGP. DTSC has concurred with PG&E's conclusion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC approved the October 2010 Groundwater and Soil Gas Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/14/2011
Comments: DTSC issued a response letter to the owner of the Jalisco Resturant informing them of the potential deed restication violation when the outdoor patio area was constructed in 2008. No enforcement action will be taken at this time since there are no known soil or groundwater impacts in the patio area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/22/2011
Comments: The fact sheet was sent out on June 24 for the start of the public comment period, which is scheduled from June 27 through July 31, 2011. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/29/2011
Comments: DTSC has approved the pilot study for the vapor extraction system. This will involve the installation of 3 vapor extraction wells to

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

study the effects.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 02/24/2012
Comments: DTSC sent out a work notice to the community providing notification of the start of the removal actions. Field activites were scheduled to start on February 29, 2012 with the removal of contaminated soil, followed by site restoration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2012
Comments: DTSC approved the revised long-term groundwater and soil gas monitoring report with no significant changes in groundwater and soil gas results.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/19/2013
Comments: DTSC do not have any comments on the report and concurs with the recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 09/28/2013
Comments: Ms. Stella Romo had provided the financial assurance cost estimate for the cap inspection and maintenance. The cost estimate is $25,000 for 30 years, including the cost of five-year reviews.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2014
Comments: The DTSC comment on the Groundwater and Soil Gas Monitoring Report regarding the location of groundwater level collection within the monitoring wells will be addressed during the next round of sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2014
Comments: DTSC reviewed the 3rd Quarter Groundwater and Soil Gas Monitoring Report and had no comments on the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Document Type: Monitoring Report
Completed Date: 05/26/2015
Comments: The October 2014 Groundwater and Soil Gas Monitoring Report summarizes the results of the groundwater and soil gas monitoring activities performed in October 2014. Four groundwater monitoring wells and 10 permanent soil vapor probes were sampled. DTSC provided comments on the report and discussed with PG&E the sampling protocols for low flow purging and the purging volumes. DTSC comments will be addressed in future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2015
Comments: There were problems in collecting soil gas and groundwater samples due to low flow or no flow conditions. DTSC has provided some recommendations regarding collection of soil gas and groundwater samples due to low or no flow conditions and will be addressed in future sampling events.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/18/2013
Comments: DTSC approved PG&E's financial assurance mechanism in the amount of $422,921 for the long-term monitoring of the soil gas and groundwater. A separate financial assurance mechanism will be obtained by the property owner for the long-term operation and maintenance of the cap.

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: 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. The scheduled project activities include the Groundwater and Soil Gas Monitoring Reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/23/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 04/06/2017
Comments: DTSC concurred with the Five-Year Review Report's findings that the remedy that was selected and implemented at the site (contaminated

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

soil removal, encapsulation of contaminated soil in inaccessible areas, groundwater monitoring, and institutional controls) continues to be effective and protective of human health and the environment and is functioning as intended. Annual cap inspections were conducted during the reporting period with no reported problems. Three years of groundwater monitoring were performed that showed the concentrations of the chemicals of concern to be stable, decreasing, or below levels of concern. DTSC approved reducing the groundwater monitoring program from semi-annual to annual and approved a reducing the number of monitoring wells that are sampled. The next Five-year Review Report will be due to be completed by January 2022.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/16/2017
Comments: The 2016 Inspection Report documents the annual cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good condition and remain protective of human health and the environment. The Site was determined to be in compliance with the restrictions and requirements of the Land Use Covenant. The next inspection report is due to DTSC by January 15, 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/08/2016
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results of the October 2015 groundwater and soil gas sampling activities. Higher concentrations of total petroleum hydrocarbons and volatile organic compounds in the soil gas as compared to previous sampling events were detected in several monitoring wells. However, potential vapor intrusion impacts to the existing restaurant are still below levels of concern. The next sampling event is scheduled for April 2016 and the results will be assessed for potential temporal changes in soil gas concentrations at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2016
Comments: This Groundwater and Soil Gas Monitoring Report summarizes the results of the April and June 2016 groundwater and soil gas monitoring and sampling events. During the previous sampling event, detections of contaminants in soil gas were questionable due to the concentrations being significantly higher than the results from previous events and cross contamination from the sampling equipment was suspected. Modifications implemented for the latest soil gas sampling appears to have eliminated the cross contamination. DTSC concurs with the findings of this Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/13/2017
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

of the October 2016 groundwater and soil gas sampling activities. The results were consistent as compared to previous sampling events. The next sampling event is scheduled for April 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/28/2018
Comments: The 2017 Annual Inspection Report documents the cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good condition and remain protective of human health and the environment. The Site was determined to be in compliance with the restrictions and requirements of the recorded Land Use Covenant. The next inspection report is due to DTSC by January 15, 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2017
Comments: The Groundwater and Soil Gas Monitoring Report summarizes the results of the groundwater and soil gas sampling activities that were conducted in 2017. The results were consistent with previous sampling events. The next sampling event is scheduled for July 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/21/2016
Comments: The 2015 Inspection Report documents the cap inspection for the site, where a restaurant is now located. The capped areas appeared to be in good conditions and remain protective of human health and the environment. No repairs were needed in 2015. The next inspection report is due to DTSC by January 15, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/2015
Comments: DTSC certified the completion of the removal actions, which included limited contaminated soil removal in the planter areas and parking lot; capping of the remaining contaminated soil; recording a Land Use Covenant to restrict certain land uses. The soil gas and groundwater monitoring program will continue and there will be ongoing inspections to ensure the integrity of the cap and to verify compliance with the restrictions and requirements of the Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Release/Rescission

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Date: 07/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/26/2001
Comments: Recorded Deed Restriction limiting property to commercial/industrial uses.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/18/1996
Comments: Signed Agreement with PG&E

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/24/2015
Comments: The Land Use Covenant that was recorded with the County of Santa Cruz restricts sensitive land uses on part of the Site due to manufactured gas plant (MGP)-related contaminated soil that was left in place. The contaminated soil has been capped. The Land Use Covenant requires that any disturbance of soil be done in accordance with a DTSC-approved Soil Management Plan and that the Site be inspected and a report submitted annually to verify compliance with the restrictions and requirements of the Land Use Covenant.

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: 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: Removal Action Completion Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1993

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Comments:	Completed PEA
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/05/1987
Comments:	PEA completed. The results of previous investigations indicate that subsurface soil contains residues characteristic of MGP by-products including polynuclear aromatic hydrocarbons (PNAs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs).
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	06/01/2012
Comments:	The fieldwork has been completed to implement the DTSC-approved Final Removal Action Workplan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	08/01/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	03/04/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/01/2001
Comments:	Semi-Annual Groundwater Monitoring and Sampling Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	10/01/1986
Comments:	Historical Summary of former MGP in Watsonville
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/01/2000
Comments:	Semi-Annual Groundwater Sampling and Monitoring Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/18/2003
Comments:	Semi-Annual Groundwater Monitoring Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Date: 04/01/2004
Comments: Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2000
Comments: Semi-Annual Groundwater Monitoring and Sampling Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 09/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/19/2000
Comments: Not reported

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/01/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/06/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 06/16/2015
Comments: The Soil Management and Operation & Maintenance (O&M) Plan describes the procedures to be implemented for the annual cap inspection; 5-year review reporting requirements; groundwater and soil gas monitoring activities; and the safe handling and disposal of potentially contaminated soil that remains at the site if it is disturbed. An O&M Agreement between the Department and Pacific Gas and Electric Company has been established to implement the Soil Management/O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/27/2011
Comments: DTSC has approved the Final Removal Action Workplan (RAW) for the former Watsonville-1 Manufactured Gas Plant Site. The RAW addressed soil, soil gas, and groundwater impacted with polynuclear aromatic hydrocarbons, volatile organic compounds, petroleum hydrocarbons, and metals. Cleanup actions consist of focused soil removal, capping, institutional controls, and soil gas and groundwater monitoring. Field activities are scheduled to begin in spring/summer of 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/04/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: The Operation and Maintenance (O&M) Agreement between DTSC and Romo Properties requires Five-Year Reviews and annual cap inspections. A separate O&M Agreement between PG&E and DTSC requres soil gas and groundwater monitoring.

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

PG&E, WATSONVILLE #1 MGP (Continued) **S106455245**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: The Operation and Maintenance (O&M) Agreement between DTSC and PG&E requires that Five-Year Reviews and ongoing soil gas and groundwater monitoring be performed.

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

DEED:
Envirostor ID: 44490007
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): 06/24/2015
File Name: Envirostor Land Use Restrictions

CERS TANKS:
Site ID: 231698
CERS ID: SLT3S1091318
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: Not reported

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: Not reported

43
SE
1/4-1/2
0.424 mi.
2241 ft.

RADCLIFF ELEMENTARY ADDITION
558 RODRIGUEZ STREET
WATSONVILLE, CA 95076

ENVIROSTOR **S104384604**
SCH **N/A**

Relative:
Higher

Actual:
33 ft.

ENVIROSTOR:

Facility ID:	44000002
Status:	No Further Action
Status Date:	03/22/2001
Site Code:	204027
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Northern California Schools & Santa Susana
Assembly:	30
Senate:	17
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	36.91143
Longitude:	-121.7612
APN:	018-231-30
Past Use:	* UNKNOWN
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	RADCLIFF ELEMENTARY ADDITION
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY ADDITION/VCA
Alias Type:	Alternate Name
Alias Name:	018-231-30
Alias Type:	APN
Alias Name:	204027
Alias Type:	Project Code (Site Code)
Alias Name:	44000002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/04/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report

RADCLIFF ELEMENTARY ADDITION (Continued) **S104384604**

Completed Date:	03/22/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/27/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	04/10/2000
Comments:	The PEA workplan for this Site was approved on April 10, 2000.
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

SCH:

Facility ID:	44000002
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Charles Ridenour
Division Branch:	Northern California Schools & Santa Susana
Site Code:	204027
Assembly:	30
Senate:	17
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	03/22/2001
Restricted Use:	NO
Funding:	School District
Latitude:	36.91143
Longitude:	-121.7612
APN:	018-231-30
Past Use:	* UNKNOWN
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	RADCLIFF ELEMENTARY ADDITION
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY ADDITION/VCA

RADCLIFF ELEMENTARY ADDITION (Continued) **S104384604**

Alias Type: Alternate Name
Alias Name: 018-231-30
Alias Type: APN
Alias Name: 204027
Alias Type: Project Code (Site Code)
Alias Name: 44000002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/04/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/22/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/10/2000
Comments: The PEA workplan for this Site was approved on April 10, 2000.

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

44
WNW
1/4-1/2
0.430 mi.
2269 ft.

7-ELEVEN STORE #32323
1461 MAIN ST
WATSONVILLE, CA 95076

LUST **U003937354**
UST **N/A**
CERS

Relative:
Higher

Actual:
47 ft.

LUST:

Lead Agency:	CENTRAL COAST RWQCB (REGION 3)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608729791
Global Id:	T0608729791
Latitude:	36.916739
Longitude:	-121.776587
Status:	Completed - Case Closed
Status Date:	09/18/2007
Case Worker:	RB
RB Case Number:	3560
Local Agency:	SANTA CRUZ COUNTY
File Location:	State Records Center
Local Case Number:	RO0000174
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Residual soil contamination still exists 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, the Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. If the land use changes from an active commercial petroleum fueling facility, the SCCEHS must be notified for consideration of additional investigation or remediation requirements. Notice of this condition shall remain with the land until verification of remediation is approved by the SCCEHS.

LUST:

Global Id:	T0608729791
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

Global Id:	T0608729791
Contact Type:	Regional Board Caseworker
Contact Name:	RB3 STAFF
Organization Name:	CENTRAL COAST RWQCB (REGION 3)
Address:	895 AEROVISTA PL, SUITE 101
City:	SAN LUIS OBISPO
Email:	centralcoast@waterboards.ca.gov
Phone Number:	8055493147

LUST:

Global Id:	T0608729791
Action Type:	ENFORCEMENT
Date:	04/06/2004

7-ELEVEN STORE #32323 (Continued) **U003937354**

Action: Staff Letter

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 12/14/2009
Action: Staff Letter

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 12/14/2009
Action: Closure/No Further Action Letter

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 12/14/2009
Action: Closure/No Further Action Letter

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Other

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/01/2004
Action: Other Workplan

Global Id: T0608729791
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608729791
Action Type: RESPONSE
Date: 01/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608729791
Action Type: RESPONSE
Date: 01/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 04/01/2004
Action: Staff Letter

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 03/10/2006
Action: Staff Letter

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/20/2006
Action: Request for Closure

7-ELEVEN STORE #32323 (Continued) **U003937354**

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 01/05/2004
Action: Staff Letter

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608729791
Action Type: RESPONSE
Date: 07/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0608729791
Action Type: Other
Date: 08/25/2003
Action: Leak Reported

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/20/2007
Action: Other Report / Document

Global Id: T0608729791
Action Type: RESPONSE
Date: 09/28/2007
Action: Unknown

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 09/18/2007
Action: Closure/No Further Action Letter

Global Id: T0608729791
Action Type: ENFORCEMENT
Date: 07/27/2007
Action: 13267 Monitoring Program

Global Id: T0608729791
Action Type: RESPONSE
Date: 11/13/2007
Action: Unknown

Global Id: T0608729791
Action Type: RESPONSE
Date: 01/20/2007
Action: Monitoring Report - Other

Global Id: T0608729791
Action Type: RESPONSE
Date: 09/01/2004
Action: Soil and Water Investigation Report

Global Id: T0608729791
Action Type: ENFORCEMENT

7-ELEVEN STORE #32323 (Continued) **U003937354**

Date: 12/14/2009
Action: Staff Letter

Global Id: T0608729791
Action Type: Other
Date: 08/25/2003
Action: Leak Discovery

Global Id: T0608729791
Action Type: RESPONSE
Date: 03/06/2007
Action: Other Report / Document

Global Id: T0608729791
Action Type: RESPONSE
Date: 07/20/2006
Action: Monitoring Report - Other

Global Id: T0608729791
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Other

Global Id: T0608729791
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Other

LUST:
Global Id: T0608729791
Status: Open - Case Begin Date
Status Date: 08/25/2003

Global Id: T0608729791
Status: Open - Site Assessment
Status Date: 10/31/2003

Global Id: T0608729791
Status: Open - Site Assessment
Status Date: 01/15/2004

Global Id: T0608729791
Status: Open - Site Assessment
Status Date: 04/06/2004

Global Id: T0608729791
Status: Open - Site Assessment
Status Date: 06/24/2004

Global Id: T0608729791
Status: Open - Site Assessment
Status Date: 08/13/2004

Global Id: T0608729791
Status: Open - Verification Monitoring
Status Date: 11/08/2004

7-ELEVEN STORE #32323 (Continued) **U003937354**

Global Id: T0608729791
Status: Completed - Case Closed
Status Date: 09/18/2007

UST:
Facility ID: FA0003602
Permitting Agency: SANTA CRUZ COUNTY
Latitude: 36.9179494
Longitude: -121.775278

Facility ID: Not reported
Permitting Agency: Santa Cruz County Environmental Health
Latitude: 36.91682
Longitude: -121.77668

CERS TANKS:
Site ID: 229423
CERS ID: T0608729791
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: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: RB3 STAFF - 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: 8055493147

M45 **7-ELEVEN STORE #18788 (2122)** **LUST** **1000282005**
ESE **17710 SATICOY ST** **SWEEPS UST** **N/A**
1/4-1/2 **RESEDA, CA 91335** **HIST UST**
0.459 mi. **CA FID UST**
2421 ft. **Site 4 of 7 in cluster M** **HIST CORTESE**

Relative:
Higher

Actual:
36 ft.

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700057
Status: Post remedial action monitoring
Case Number: 2375
Local Case Num: Not reported

7-ELEVEN STORE #18788 (2122) (Continued) **1000282005**

Case Type:	O
Substance:	Gasoline
Quantity:	Not reported
Abatement Method:	Other
Leak Source:	UNK
Leak Cause:	UNK
How Stopped:	Not reported
How Discovered:	OM
Release Date:	10/17/1991
Discovered Date:	10/17/91
Enter Date:	08/03/1993
Stop Date:	10/17/91
Review Date:	09/24/2002
Enforce Date:	Not reported
Close Date:	Not reported
Enforcement Type:	LET
Responsible Party:	WILLIAM E THOMPSON
RP Address:	PO BOX 1601
Contact:	Not reported
Cross Street:	5TH E
Local Agency:	44000
Lead Agency:	Regional Board
Staff Initials:	MTK
Confirm Leak:	Not reported
Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	10/31/1997
Remedial Plan:	3/9/00
Remedial Action:	6/5/00
Monitoring:	11/09/2001
Pilot Program:	UST
Interim Action:	Not reported
Funding:	Not reported
MTBE Class:	C
Max MTBE Grnd Wtr:	85
Max MTBE Soil:	Not reported
Max MTBE Data:	04/18/2002
MTBE Tested:	YES
Lat/Long:	36.9126751 / -121.7591664
Soil Qualifier:	Not reported
Grnd Wtr Qualifier:	=
Mtbe Concentratn:	19
Mtbe Fuel:	1
Org Name:	Not reported
Basin Plan:	5.10
Beneficial:	MUN
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Operator:	Not reported
Water System:	CITY OF WATSONVILLE
Well Name:	WELL 10
Distance From Well:	0
Assigned Name:	12S/02E-09C02 M
Summary:	MTBE AT 100 PPB IN ONE WELL. CONTINUE QUARTERLY MONITORING. LEVEL UNDER 100 PPB IN 5 WELLS. NO LPH IN MW-5. ADDITIONAL SOIL EXCAVATION CONDUCTED 6/00 PER SANTA CRUZ CO. REQUEST. APPROXIMATELY 500 CY

7-ELEVEN STORE #18788 (2122) (Continued) **1000282005**

REMOVED. MW-2,3,5 DESTROYED 5/15/00; MW-2,3 REPLACED W

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	913350952	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702246	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	WHITE OAK AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/10/1992	
Date Leak First Reported:		7/17/1992
Date Leak Record Entered:	8/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/17/1992
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	OLD CASENO WAS 002375	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5228.90321654815212638447 1663
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		7/17/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	34.2081713 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	

7-ELEVEN STORE #18788 (2122) (Continued) **1000282005**

Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 279
Number: Not reported
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000279-000001
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 279
Number: Not reported
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000279-000002
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 279
Number: Not reported
Board Of Equalization: 44-002251
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000279-000003
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

7-ELEVEN STORE #18788 (2122) (Continued) **1000282005**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000003810
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	WILLIAM HOLMES
Telephone:	2137093555
Owner Name:	THE SOUTHLAND CORPORATION
Owner Address:	1240 S. STATE COLLEGE BLVD., S
Owner City,St,Zip:	ANAHEIM, CA 92806
Total Tanks:	0003
Tank Num:	001
Container Num:	01
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	02
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	03
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

CA FID UST:

Facility ID:	19003714
Regulated By:	UTNKI
Regulated ID:	00003810
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8183624384
Mail To:	Not reported
Mailing Address:	1240 S STATE COLLEGE BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RESEDA 913350000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported

7-ELEVEN STORE #18788 (2122) (Continued) **1000282005**

EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 913350952

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 2375

M46 **DESERT PETROLEUM #780** **LUST U001602218**
ESE **570 MAIN ST** **HIST UST N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.459 mi.
2421 ft. **Site 5 of 7 in cluster M**

Relative:
Higher

Actual:
36 ft.

LUST:
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700057
Global Id: T0608700057
Latitude: 36.9126751
Longitude: -121.7591664
Status: Completed - Case Closed
Status Date: 07/10/2008
Case Worker: RB
RB Case Number: 2375
Local Agency: SANTA CRUZ COUNTY
File Location: Not reported
Local Case Number: RO0000030
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Residual soil contamination still exists 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, the Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. If the land use changes from an active commercial petroleum fueling facility, the SCCEHS must be notified for consideration of additional investigation or remediation requirements. Notice of this condition shall remain with the land until verification of remediation is approved by the SCCEHS.

LUST:
Global Id: T0608700057
Contact Type: Local Agency Caseworker
Contact Name: JOHN B. GERBRANDT
Organization Name: SANTA CRUZ COUNTY
Address: 701 Ocean Street, Room 312
City: SANTA CRUZ

DESERT PETROLEUM #780 (Continued) **U001602218**

Email: john.gerbrandt@santacruzcounty.us
Phone Number: Not reported

Global Id: T0608700057
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

LUST:
Global Id: T0608700057
Action Type: Other
Date: 10/17/1991
Action: Leak Discovery

Global Id: T0608700057
Action Type: RESPONSE
Date: 05/23/2005
Action: Unknown

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 05/10/2007
Action: Verbal Communication

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 03/04/2005
Action: Staff Letter

Global Id: T0608700057
Action Type: RESPONSE
Date: 02/08/2005
Action: Other Workplan

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 12/04/2006
Action: Warning Letter

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 07/10/2008
Action: Closure/No Further Action Letter

Global Id: T0608700057
Action Type: RESPONSE
Date: 04/15/2008
Action: Unknown

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 05/10/2007
Action: Technical Correspondence / Assistance / Other

DESERT PETROLEUM #780 (Continued) **U001602218**

Global Id: T0608700057
Action Type: RESPONSE
Date: 04/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700057
Action Type: RESPONSE
Date: 10/20/2006
Action: Monitoring Report - Quarterly

Global Id: T0608700057
Action Type: RESPONSE
Date: 02/11/2003
Action: Soil and Water Investigation Report

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 02/11/2003
Action: Staff Letter

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 02/08/2005
Action: * No Action

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 10/01/2002
Action: Staff Letter

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 02/13/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700057
Action Type: Other
Date: 10/17/1991
Action: Leak Reported

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 08/17/2007
Action: Verbal Communication

Global Id: T0608700057
Action Type: RESPONSE
Date: 04/20/2007
Action: Monitoring Report - Quarterly

Global Id: T0608700057
Action Type: ENFORCEMENT
Date: 07/01/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608700057
Action Type: ENFORCEMENT

DESERT PETROLEUM #780 (Continued) **U001602218**

Date: 10/20/2009
Action: Closure/No Further Action Letter

Global Id: T0608700057
Action Type: RESPONSE
Date: 07/26/2007
Action: Request for Closure

Global Id: T0608700057
Action Type: Other
Date: 10/17/1991
Action: Leak Stopped

Global Id: T0608700057
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0608700057
Status: Open - Case Begin Date
Status Date: 10/17/1991

Global Id: T0608700057
Status: Open - Site Assessment
Status Date: 10/31/1997

Global Id: T0608700057
Status: Open - Remediation
Status Date: 03/09/2000

Global Id: T0608700057
Status: Open - Remediation
Status Date: 06/05/2000

Global Id: T0608700057
Status: Open - Verification Monitoring
Status Date: 11/09/2001

Global Id: T0608700057
Status: Completed - Case Closed
Status Date: 07/10/2008

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000009211
Facility Type: Gas Station
Other Type: Not reported
Contact Name: ARCHULETA, NEDDIE
Telephone: 4087249861
Owner Name: DESERT PETROLEUM, INC.
Owner Address: POST OFFICE BOX 1601
Owner City,St,Zip: OXNARD, CA 93032

DESERT PETROLEUM #780 (Continued) **U001602218**

Total Tanks:	0005
Tank Num:	001
Container Num:	#1
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#2
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#3
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	#4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	#5
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None

M47 **25 EAST 5TH STREET** **ENVIROSTOR** **S111418020**
ESE **25 EAST 5TH STREET** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.461 mi.
2435 ft. **Site 6 of 7 in cluster M**

Relative: ENVIROSTOR:
Higher

Facility ID:	60001609
Status:	Refer: Local Agency
Status Date:	01/05/2016
Site Code:	201925

Actual:
37 ft.

25 EAST 5TH STREET (Continued) **S111418020**

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	SANTA CRUZ COUNTY
Lead Agency:	SANTA CRUZ COUNTY
Program Manager:	Henry Chui
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Assembly:	30
Senate:	17
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	36.91381
Longitude:	-121.7591
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	Under Investigation Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
Confirmed COC:	Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
Potential Description:	IA, OTH, SOIL, SV, UE
Alias Name:	201925
Alias Type:	Project Code (Site Code)
Alias Name:	60001609
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

M48 **E. 5TH STREET WAREHOUSE PROPERTY** **CPS-SLIC S118504688**
ESE **25 E. 5TH STREET** **CERS N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
0.461 mi.
2435 ft. **Site 7 of 7 in cluster M**

Relative: **Higher**
Actual: **37 ft.**

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	12/14/2015
Global Id:	T10000008129
Lead Agency:	SANTA CRUZ COUNTY

E. 5TH STREET WAREHOUSE PROPERTY (Continued) **S118504688**

Lead Agency Case Number:	RO0000308
Latitude:	36.91386
Longitude:	-121.75907
Case Type:	Cleanup Program Site
Case Worker:	SC
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:	Indoor Air, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Arsenic, Polynuclear aromatic hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS TANKS:

Site ID:	361916
CERS ID:	T10000008129
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:	Not reported

---

49 **N/A** **LUST** **S102556658**
South **275 KEARNEY ST** **CUPA Listings** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **HIST CORTESE**
0.474 mi. **CERS**
2505 ft. **CERS HAZ WASTE**

Relative: Lower

Actual: 24 ft.

LUST:

Lead Agency:	SANTA CRUZ COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700280
Global Id:	T0608700280
Latitude:	36.9082788
Longitude:	-121.7657225
Status:	Completed - Case Closed
Status Date:	10/08/1987
Case Worker:	Not reported
RB Case Number:	735
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

N/A (Continued) **S102556658**

Global Id: T0608700280
Action Type: Other
Date: 10/09/1989
Action: Leak Reported

Global Id: T0608700280
Action Type: Other
Date: 09/10/1989
Action: Leak Discovery

LUST:
Global Id: T0608700280
Status: Completed - Case Closed
Status Date: 10/08/1987

Global Id: T0608700280
Status: Open - Case Begin Date
Status Date: 10/08/1987

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700280
Status: Case Closed
Case Number: 735
Local Case Num: Not reported
Case Type: U
Substance: Gasoline
Quantity: Not reported
Abatement Method: Other
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 10/09/1989
Discovered Date: 9/10/89
Enter Date: 01/10/1990
Stop Date: Not reported
Review Date: 01/10/1990
Enforce Date: Not reported
Close Date: 10/8/87
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: FORD
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: MTK
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported

N/A (Continued) **S102556658**

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: 36.9080022 / -121.7659387
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 03
Distance From Well: 0
Assigned Name: 12S/02E-08A03 M
Summary: WEBE & ASSOCIATES TO DETERMINE LEVEL OF CONTAMINATION.

CUPA SANTA CRUZ:
Facility Id: FA0004817
Cross Street: WALKER STREET
Description: HMMP STANDARD FORM FILING FEE

Facility Id: FA0004817
Cross Street: WALKER STREET
Description: HMMP STANDARD FORM QR 3

Facility Id: FA0004817
Cross Street: WALKER STREET
Description: HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

HIST CORTESE:
Region: CORTESE
Facility County Code: 44
Reg By: LTNKA
Reg Id: 735

CERS TANKS:
Site ID: 407415
CERS ID: 10193737
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 407415
Site Name: WATSONVILLE COAST PRODUCE INC
Violation Date: 05-25-2016

N/A (Continued) **S102556658**

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

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2015
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: 01-21-2015
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: 05-25-2016
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: 05-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection with Ted Rico.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2017

N/A (Continued) **S102556658**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 407415
Site Name: WATSONVILLE COAST PRODUCE INC
Site Address: 275 KEARNEY ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 05-25-2016
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: 407415
Facility Name: WATSONVILLE COAST PRODUCE INC
Env Int Type Code: HMBP
Program ID: 10193737
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 36.907490
Longitude: -121.767242

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: TED J. RICO
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: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: TED J. RICO
Entity Title: Not reported
Affiliation Address: PO BOX 490

N/A (Continued) **S102556658**

Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95077-0490
Affiliation Phone:	(831) 722-3851
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 490
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95077-0490
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	TED J. RICO
Entity Title:	WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	WATSONVILLE COAST PRODUCE, INC
Entity Title:	Not reported
Affiliation Address:	P O BOX 490
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076
Affiliation Phone:	(831) 722-3851
Affiliation Type Desc:	Operator
Entity Name:	TED J. RICO
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) 768-3761
Affiliation Type Desc:	Parent Corporation
Entity Name:	WATSONVILLE COAST PRODUCE 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:	Not reported
Affiliation Type Desc:	Property Owner

N/A (Continued) **S102556658**

Entity Name: GARY L. MANFRE
Entity Title: Not reported
Affiliation Address: PO Box 490
Affiliation City: Watsonville
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95077
Affiliation Phone: (831) 722-3851

Site ID: 236895
CERS ID: T0608700280
CERS Description: Leaking Underground Storage Tank Cleanup Site

CERS HAZ WASTE:
Site ID: 407415
CERS ID: 10193737
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 407415
Site Name: WATSONVILLE COAST PRODUCE INC
Violation Date: 05-25-2016
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: Not reported
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2015
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: 01-21-2015
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: 05-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health

N/A (Continued) **S102556658**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection with Ted Rico.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 407415
Site Name: WATSONVILLE COAST PRODUCE INC
Site Address: 275 KEARNEY ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 05-25-2016
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: 407415
Facility Name: WATSONVILLE COAST PRODUCE INC
Env Int Type Code: HMBP
Program ID: 10193737
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 36.907490
Longitude: -121.767242

Affiliation:
Affiliation Type Desc: CUPA District

N/A (Continued) **S102556658**

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:	TED J. RICO
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:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	TED J. RICO
Entity Title:	Not reported
Affiliation Address:	PO BOX 490
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95077-0490
Affiliation Phone:	(831) 722-3851
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 490
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95077-0490
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	TED J. RICO
Entity Title:	WAREHOUSE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	WATSONVILLE COAST PRODUCE, INC
Entity Title:	Not reported
Affiliation Address:	P O BOX 490
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95076

N/A (Continued) **S102556658**

Affiliation Phone:	(831) 722-3851
Affiliation Type Desc:	Operator
Entity Name:	TED J. RICO
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) 768-3761
Affiliation Type Desc:	Parent Corporation
Entity Name:	WATSONVILLE COAST PRODUCE 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:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	GARY L. MANFRE
Entity Title:	Not reported
Affiliation Address:	PO Box 490
Affiliation City:	Watsonville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95077
Affiliation Phone:	(831) 722-3851

---

50 West 1/4-1/2 0.480 mi. 2537 ft. **LANDMARK ELEMENTARY SCHOOL SITE** **ENVIROSTOR SCH** **S107736594 N/A**
167 HARKINS SLOUGH ROAD
WATSONVILLE, CA 95076

Relative: Higher

Actual: 38 ft.

ENVIROSTOR:

Facility ID:	44000001
Status:	No Further Action
Status Date:	08/28/2000
Site Code:	204026
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Assembly:	30
Senate:	17
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

LANDMARK ELEMENTARY SCHOOL SITE (Continued) **S107736594**

Funding: School District
Latitude: 36.91491
Longitude: -121.7784
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Lead DDT
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LANDMARK ELEMENTARY SCHOOL SITE
Alias Type: Alternate Name
Alias Name: LANDMARK ELEMENTARY SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: PAJARO VALLEY USD
Alias Type: Alternate Name
Alias Name: PAJARO VALLEY USD-LANDMARK ELEM/CDE
Alias Type: Alternate Name
Alias Name: 204018
Alias Type: Project Code (Site Code)
Alias Name: 204026
Alias Type: Project Code (Site Code)
Alias Name: 44000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/01/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/28/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/28/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

LANDMARK ELEMENTARY SCHOOL SITE (Continued) **S107736594**

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

SCH:

Facility ID: 44000001
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 204026
Assembly: 30
Senate: 17
Special Program Status: Not reported
Status: No Further Action
Status Date: 08/28/2000
Restricted Use: NO
Funding: School District
Latitude: 36.91491
Longitude: -121.7784
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Lead, Lead, DDT
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LANDMARK ELEMENTARY SCHOOL SITE
Alias Type: Alternate Name
Alias Name: LANDMARK ELEMENTARY SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: PAJARO VALLEY USD
Alias Type: Alternate Name
Alias Name: PAJARO VALLEY USD-LANDMARK ELEM/CDE
Alias Type: Alternate Name
Alias Name: 204018
Alias Type: Project Code (Site Code)
Alias Name: 204026
Alias Type: Project Code (Site Code)
Alias Name: 44000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/01/2000
Comments: Not reported

LANDMARK ELEMENTARY SCHOOL SITE (Continued) **S107736594**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/02/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	08/28/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/28/2000
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

51
SW
1/4-1/2
0.490 mi.
2586 ft.

CLUSTER'S AUTOMOTIVE WRECKING **ENVIROSTOR** **S108207807**
600 ERRINGTON ROAD **N/A**
WATSONVILLE, CA 95076

Relative:
Higher

Actual:
61 ft.

ENVIROSTOR:

Facility ID:	44500001
Status:	Refer: Other Agency
Status Date:	07/29/1994
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:	30
Senate:	17
Special Program:	* Rural County Survey Program
Restricted Use:	NO

CLUSTER'S AUTOMOTIVE WRECKING (Continued) **S108207807**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.91036
Longitude: -121.7725
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 44500001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/12/1988
Comments: FACILITY IDENTIFIED 1985 CITY DIR AUTOS AND MISC SALVAGE. TANKS & DRUMS SEEN OIL STAINED SOIL.

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

52
SSW
1/4-1/2
0.499 mi.
2636 ft.

MF FARMING COMPANY **CPS-SLIC** **S112057532**
1773 SANTA VICTORIA LANE **HAZNET** **N/A**
WATSONVILLE, CA 95076 **NPDES**
CERS

Relative:
Higher

Actual:
29 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/23/2015
Global Id: T10000004135
Lead Agency: SANTA CRUZ COUNTY
Lead Agency Case Number: RO0000326
Latitude: 36.908386
Longitude: -121.771161
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: Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: Chlordane, DDD / DDE / DDT, Other Insecticides / Pesticide / Fumigants / Herbicides, Toxaphene, Arsenic, Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

MF FARMING COMPANY (Continued) **S112057532**

HAZNET:

envid:	S112057532
Year:	2015
GEPAID:	CAP000253609
Contact:	LOUIS JEMISON
Telephone:	8312522739
Mailing Name:	Not reported
Mailing Address:	301 MCCORMICK AVE
Mailing City,St,Zip:	CAPITOLA, CA 950100000
Gen County:	Santa Cruz
TSD EPA ID:	UTC093012201
TSD County:	99
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1040.58
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Cruz

envid:	S112057532
Year:	2015
GEPAID:	CAC002841419
Contact:	KEVIN WANG
Telephone:	4152791258
Mailing Name:	Not reported
Mailing Address:	275 MAIN ST STE 450
Mailing City,St,Zip:	WATSONVILLE, CA 950765138
Gen County:	Santa Cruz
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.31275
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Cruz

envid:	S112057532
Year:	2013
GEPAID:	CAC002743405
Contact:	LOUIS JEMISON
Telephone:	4084029830
Mailing Name:	Not reported
Mailing Address:	301 MCCORMICK AVE
Mailing City,St,Zip:	CAPITOLA, CA 950103700
Gen County:	Santa Cruz
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

MF FARMING COMPANY (Continued) **S112057532**

envid: S112057532
Year: 2013
GEPAID: CAC002743405
Contact: LOUIS JEMISON
Telephone: 4084029830
Mailing Name: Not reported
Mailing Address: 301 MCCORMICK AVE
Mailing City,St,Zip: CAPITOLA, CA 950103700
Gen County: Santa Cruz
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.67
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

NPDES:
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 44W002099
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: Expired
Status Date: 05/02/2018
Operator Name: MF Farming Company
Operator Address: 301 Mccormick Avenue
Operator City: Capitola
Operator State: California
Operator Zip: 95010

CERS TANKS:
Site ID: 226371
CERS ID: T10000004135
CERS Description: Cleanup Program 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

MF FARMING COMPANY (Continued) **S112057532**

Affiliation City:	SANTA CRUZ
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	RICHARD CHANDLER - 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:	Not reported

53
SE
1/4-1/2
0.499 mi.
2637 ft.

PAUL'S TRUCKING CO
144 LAKE AVE W
WATSONVILLE, CA 95076

LUST **S101625387**
SWEEPS UST **N/A**
CA FID UST
WDS

Relative:
Higher

Actual:
31 ft.

LUST:

Lead Agency:	SANTA CRUZ COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700083
Global Id:	T0608700083
Latitude:	36.909428
Longitude:	-121.76224
Status:	Completed - Case Closed
Status Date:	07/14/1989
Case Worker:	Not reported
RB Case Number:	2463
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0608700083
Action Type:	Other
Date:	06/23/1994
Action:	Leak Reported
Global Id:	T0608700083
Action Type:	Other
Date:	07/14/1989
Action:	Leak Discovery

LUST:

Global Id:	T0608700083
Status:	Completed - Case Closed
Status Date:	07/14/1989
Global Id:	T0608700083

PAUL'S TRUCKING CO (Continued) **S101625387**

Status: Open - Case Begin Date
Status Date: 07/14/1989

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Cruz
Global ID: T0608700083
Status: Case Closed
Case Number: 2463
Local Case Num: Not reported
Case Type: S
Substance: Diesel
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: Piping
Leak Cause: Other Cause
How Stopped: Not reported
How Discovered: Tank Test
Release Date: 06/23/1994
Discovered Date: 7/14/89
Enter Date: 07/07/1994
Stop Date: Not reported
Review Date: 12/14/1994
Enforce Date: Not reported
Close Date: 7/14/89
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: WALKER ST
Local Agency: 44000
Lead Agency: Local Agency
Staff Initials: MTK
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: 36.9094812 / -121.7613225
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0

PAUL'S TRUCKING CO (Continued) **S101625387**

Org Name: Not reported
Basin Plan: 5.10
Beneficial: Not reported
Priority: 3A1
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: Not reported
Well Name: WELL 03
Distance From Well: 0
Assigned Name: 12S/02E-08A03 M
Summary: ***** CASE CLOSED ***** LATE SUBMISSION OF REPORT DUE TO MISCOMMUNICATION

SWEEPS UST:
Status: Active
Comp Number: 14665
Number: 1
Board Of Equalization: 44-027207
Referral Date: 01-02-92
Action Date: 01-02-92
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 44-052-014665-000001
Tank Status: A
Capacity: 12000
Active Date: 12-27-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:
Facility ID: 44000312
Regulated By: UTNKA
Regulated ID: 00014665
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4087284500
Mail To: Not reported
Mailing Address: PO BOX 1336
Mailing Address 2: Not reported
Mailing City,St,Zip: WATSONVILLE 95076
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

WDS:
Facility ID: Central Coastal 44I013408
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

PAUL'S TRUCKING CO (Continued) **S101625387**

NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	3
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	PAUL TRUCKING COMPANY
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

54
SE
1/2-1
0.504 mi.
2661 ft.

RADCLIFF ELEMENTARY SCHOOL **ENVIROSTOR** **S106153078**
RODRIGUEZ STREET/WEST LAKE AVENUE **SCH** **N/A**
WATSONVILLE, CA 95076

Relative: Higher

Actual: 32 ft.

ENVIROSTOR:

Facility ID:	44880002
Status:	Certified
Status Date:	03/21/2005
Site Code:	204132
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	1.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jose Salcedo
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Assembly:	30

RADCLIFF ELEMENTARY SCHOOL (Continued) **S106153078**

Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 36.9105
Longitude: -121.7603
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: PAJARO VALLEY UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: PAJARO VALLEY USD-RADCLIFF ES EXPANSION
Alias Type: Alternate Name
Alias Name: RADCLIFF ELEMENTARY EXPANSION
Alias Type: Alternate Name
Alias Name: RADCLIFF ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: RADCLIFF ELEMENTARY SCHOOL EXPANSION
Alias Type: Alternate Name
Alias Name: RADCLIFF ELEMENTARY SCHOOL EXPANSION/VCA
Alias Type: Alternate Name
Alias Name: 110033612730
Alias Type: EPA (FRS #)
Alias Name: 204028
Alias Type: Project Code (Site Code)
Alias Name: 204132
Alias Type: Project Code (Site Code)
Alias Name: 44880002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/30/2001
Comments: Further action required, school district requested site be dropped.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/21/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/22/2004
Comments: Not reported

RADCLIFF ELEMENTARY SCHOOL (Continued) **S106153078**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/30/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/05/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/11/2000
Comments: Workplan Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/22/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 08/30/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

RADCLIFF ELEMENTARY SCHOOL (Continued) **S106153078**

Completed Date:	05/05/2000
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

SCH:

Facility ID:	44880002
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jose Salcedo
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Site Code:	204132
Assembly:	30
Senate:	17
Special Program Status:	Not reported
Status:	Certified
Status Date:	03/21/2005
Restricted Use:	NO
Funding:	School District
Latitude:	36.9105
Longitude:	-121.7603
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	PAJARO VALLEY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	PAJARO VALLEY USD-RADCLIFF ES EXPANSION
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY EXPANSION
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY SCHOOL EXPANSION
Alias Type:	Alternate Name
Alias Name:	RADCLIFF ELEMENTARY SCHOOL EXPANSION/VCA
Alias Type:	Alternate Name
Alias Name:	110033612730
Alias Type:	EPA (FRS #)
Alias Name:	204028

RADCLIFF ELEMENTARY SCHOOL (Continued) **S106153078**

Alias Type: Project Code (Site Code)
Alias Name: 204132
Alias Type: Project Code (Site Code)
Alias Name: 44880002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/30/2001
Comments: Further action required, school district requested site be dropped.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/21/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/30/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/05/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/11/2000
Comments: Workplan Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification

RADCLIFF ELEMENTARY SCHOOL (Continued) **S106153078**

Completed Date:	09/22/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/06/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	08/30/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	12/12/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	11/04/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	05/05/2000
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

55
SE
1/2-1
0.509 mi.
2689 ft.

CALIFORNIA SPRAY & CHEMICAL #4 **ENVIROSTOR** **S101482420**
198 WEST LAKE AVENUE **N/A**
WATSONVILLE, CA 95076

Relative:
Higher

Actual:
30 ft.

ENVIROSTOR:

Facility ID:	44280009
Status:	Refer: RWQCB
Status Date:	04/27/1989
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO

CALIFORNIA SPRAY & CHEMICAL #4 (Continued) **S101482420**

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.90861
Longitude: -121.7622
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CENTRAL ELECTRIC COMPANY
Alias Type: Alternate Name
Alias Name: CHEVRON CHEMICAL COMPANY (1965)
Alias Type: Alternate Name
Alias Name: 44280009
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1988
Comments: FACILITY IDENTIFIED CHEMICAL MANUFACTURER

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/27/1989
Comments: SITE SCREENING DONE RWQCB LEAD SITE.

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

56
NNE
1/2-1
0.680 mi.
3592 ft.

DON HEIM & SON DRY CLEANERS **Cortese** **S118152729**
1350 FREEDOM BLVD **Notify 65** **N/A**
WATSONVILLE, CA 95076

Relative: Higher

Actual: 88 ft.

CORTESE:
Region: CORTESE
Envirostor Id: Not reported
Site/Facility Type: Not reported

DON HEIM & SON DRY CLEANERS (Continued) **S118152729**

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:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Cease Desist Orders & Cleanup Abatement Orders

NOTIFY 65:

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

---

57 **SOUTHWEST TRUCK SERVICE** **ENVIROSTOR** **U001602375**
SSE **50 PINE STREET** **HIST UST** **N/A**
1/2-1 **WATSONVILLE, CA 95076**
0.738 mi.
3895 ft.

Relative:
Higher

Actual:
28 ft.

ENVIROSTOR:

Facility ID:	44420003
Status:	Refer: Other Agency
Status Date:	04/27/1989
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP, SANTA CRUZ COUNTY
Lead Agency:	SANTA CRUZ COUNTY
Program Manager:	Not reported
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Assembly:	30
Senate:	17
Special Program:	* Rural County Survey Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.90627
Longitude:	-121.7621
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

SOUTHWEST TRUCK SERVICE (Continued) **U001602375**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 44420003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/12/1988
Comments: FACILITY IDENTIFIED 1983 PHONE DIRECTORY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/03/2008
Comments: Refer to the CUPA agency (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

HIST UST:
File Number: 00020C53
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00020C53.pdf
Region: STATE
Facility ID: 00000067458
Facility Type: Other
Other Type: TRUCK SERVICE
Contact Name: Not reported
Telephone: 4087248514
Owner Name: PACIFIC TIRE & LEASING CO.
Owner Address: 50 PINE STREET
Owner City,St,Zip: WATSONVILLE, CA 95076
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 2
Container Construction Thickness: X
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE

SOUTHWEST TRUCK SERVICE (Continued) **U001602375**

Type of Fuel:	2
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

58
ESE
1/2-1
0.745 mi.
3935 ft.

EVEREADY CROP SERVICE **ENVIROSTOR** **S101482414**
16 PECK **N/A**
WATSONVILLE, CA 95076

Relative:
Higher

Actual:
32 ft.

ENVIROSTOR:

Facility ID:	44070016
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:	30
Senate:	17
Special Program:	* Rural County Survey Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.90986
Longitude:	-121.7555
APN:	017-113-08
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	017-113-08

EVEREADY CROP SERVICE (Continued) **S101482414**

Alias Type: APN
Alias Name: 44070016
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 1965 TELEPHONE DIRECTORY POSSIBLE OFFICE SPACE FOR A CROP-DUSTING OPERATION. NEED FOLLOWUP TO DETERMINE IF THEY USED A STRIP IN SANTA CRUZ CO. SITE SCREENING DONE RWQCB LEAD SITE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/18/1989
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

59
South
1/2-1
0.763 mi.
4031 ft.

TRAVERS COLD STORAGE **ENVIROSTOR** **S102860961**
890 BEACH STREET, WEST **N/A**
WATSONVILLE, CA 95076

Relative:
Lower

Actual:
19 ft.

ENVIROSTOR:
Facility ID: 44200002
Status: Refer: Other Agency
Status Date: 04/27/1989
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: 30
Senate: 17
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.90367
Longitude: -121.7704
APN: NONE SPECIFIED

TRAVERS COLD STORAGE (Continued) **S102860961**

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 44200002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1988
Comments: FACILITY IDENTIFIED SC CO ENV HLTH PETROLEUM CONTAMINATION OF SOIL AND SHALLOW GW. MAILING ADDRESS: R TRAVERS P.O.BOX 908 95077

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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60 SE 1/2-1 0.774 mi. 4088 ft. **CALIFORNIA SPRAY & CHEMICAL** **ENVIROSTOR S103628943**
135 WALKER STREET **VCP N/A**
WATSONVILLE, CA 95076 **DEED**

Relative: Higher

Actual: 28 ft.

ENVIROSTOR:
Facility ID: 44280006
Status: Certified / Operation & Maintenance
Status Date: 06/20/2002
Site Code: 200984
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.2
NPL: NO
Regulatory Agencies: SMBRP, DEPARTMENT OF HEALTH SERVICES, SANTA CRUZ COUNTY
Lead Agency: SMBRP
Program Manager: Claude Jemison
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: ASP, DAY, HOS, LUC, EX, NOWN, SCH, FOOD, RES
Funding: Responsible Party
Latitude: 36.90517
Longitude: -121.7588
APN: 017-162-06, 017-162-15, 017-162-16, 017-162-26
Past Use: MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES
Potential COC: Arsenic Lead Arsenic Lead Arsenic Lead Arsenic Lead
Confirmed COC: Arsenic Lead Arsenic Lead Arsenic Lead

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Potential Description: SOIL, SOIL, SOIL, SOIL
Alias Name: CALIFORNIA SPRAY & CHEMICAL #2
Alias Type: Alternate Name
Alias Name: Calspray
Alias Type: Alternate Name
Alias Name: 017-162-06
Alias Type: APN
Alias Name: 017-162-15
Alias Type: APN
Alias Name: 017-162-16
Alias Type: APN
Alias Name: 017-162-26
Alias Type: APN
Alias Name: 110033617352
Alias Type: EPA (FRS #)
Alias Name: 200984
Alias Type: Project Code (Site Code)
Alias Name: 44280006
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: 12/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/24/2012
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/28/2008
Comments: The cap is in good condition.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2012
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: A letter providing the RP/owner cost estimate of DTSC's oversight cost for fiscal year 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2014
Comments: Not reported

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2015
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: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2017
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: Amendment - Order/Agreement
Completed Date: 12/18/1998
Comments: VCA Amendment for Chapter 6.5 transition.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/19/2002
Comments: Restrictions and requirements that run with the capped Area 1 property are as follows: Asphalt cover not to be disturbed without approval; Day care center prohibited; No excavation or activities which disturb the soil at any depth without DTSC approval; Raising of food prohibited; Hospital use prohibited; Notify DTSC after change of property owner; Residence use prohibited; Public or private school for persons under 21 prohibited.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/13/2002
Comments: O&M Agreement formally executed between DTSC and the Chevron Chemical Company for the 2.5 acre property more specifically described as Santa Cruz County Assessor’s Parcel Number 017-162-26.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/23/2001
Comments: Negative Declaration has been prepared and approved in accordance with the California Environmental Quality Act.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/28/1997
Comments: The purpose of this Agreement is for the Proponent, Chevron Chemical

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Company, to take necessary corrective action to determine the extent of the release of hazardous substances by the former California Spray & Chemical Company ("CalSpray"), adequately characterize CalSpray contamination at the Site, prepare a Remedial Action Plan (RAP) or Removal Action Workplan (RAW), and complete the necessary removal actions or remedial actions for such contamination under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 01/25/2011
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/26/2009
Comments: Upon inspection, the asphalt cap in the Granite Rock Service Yard and area adjacent to Dixon & Son Tires appeared to be in good condition, with no cracking or signs of deterioration observed. Additionally, no activities were observed that were prohibited by the Deed Restriction.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/26/2015
Comments: The financial assurance cost estimate and mechanism were reviewed and found to be satisfactory.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/03/2007
Comments: no Problems noted in the report.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Document Type: Operations and Maintenance Plan
Completed Date: 04/26/2002
Comments: O&M Plan approved by DTSC for Area 1. An Asphalt Cap was installed as part of the DTSC-approved remedial action at the site. The operation and maintenance of the Cap shall include annual visual inspection of the asphalt pavement for cracks or signs of deterioration, provisions to repair any significant crack(s) or signs of deterioration immediately, maintenance of sloping or grading to promote proper drainage, application of a seal or coating over the Asphalt Cap, or repaving with a minimum 2 or 2-1/2 inches of overlay every 15 years.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of modifications to an existing pole shed, asphalt and concrete demolition, fence removal, limited soil excavation, construction of an 11-inch asphalt cap with drainage structures, followed by installation of perimeter retaining walls and fencing. The shed modifications, which included raising the shed on three sides, were performed to allow equipment access after asphalt cap construction. The concrete and asphalt demolition was performed to facilitate the cap construction. Soil excavation was performed in limited areas to prepare trenches for construction of the retaining walls and drainage structures. An 11-inch asphalt cap was constructed over the impacted soil because this alternative allowed for the lowest short-term risk and provided high long-term protection by preventing direct exposure to impacted soil and minimizing precipitation infiltration. This alternative was also the easiest to implement, the least costly, and provided the greatest benefit-to-cost ratio. An Operation and Maintenance Agreement (executed 5/13/02) requires quarterly groundwater monitoring and annual asphalt cap inspection. Deed Restriction (recorded 6/19/02) requires restricted property use for commercial / industrial enterprises only and non-interference with the installed asphalt cap and onsite groundwater monitoring wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/04/2001
Comments: Approved Removal Action Workplan (RAW) requiring the installation of an engineered asphalt cap over Area 1 and excavation and offsite disposal of all material exceeding residential standards for Areas 2 and 4, and for the southern portion of Area 3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/03/2000
Comments: Lead and arsenic in soil are the only constituents of potential concern at the Cal Spray site. The extent of arsenic- and lead-impacted soil is limited to Area 1, the southern and eastern portions of Area 2, the southwestern corner of Area 3, and the northern and southern portion of Area 4. With the exeption of limited areas on Area 1 and Area 2, arsenic- and lead-impacted soil is found at maximum depths of 5 to 6 feet below grade.

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/27/1989
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of structure demolition (illegally constructed two-story wooden structure), excavation and off-site disposal of approximately 975 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock, and installation of perimeter fencing. The residentail soil cleanup standards were met on all portions of Area 2.

Completed Area Name: Area 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The soil remedial action consisted of asphalt concrete demolition, excavation and off-site disposal of approximately 270 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock. For the excavation area just south of the existing Scotts Valley Sprinkler and Pipe Supply Company building, four inches of asphalt concrete was placed over the compacted aggregate base and the area was restored as a parking lot. Site restoration activities also included the installation of a concrete retaining wall and commercial chain link fencing along the eastern property boundary. The property continues productive use as the location of Scotts Valley Sprinkler and Pipe Supply Company operations and storage.

Completed Area Name: Area 4
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of structure demolition, excavation and off-site disposal of approximately 604 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock, and installation of perimeter fencing. The residential soil cleanup standards were met on all portions of Area 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/27/2000
Comments: Spanish and English hand carried to residences along Walker and Locust Streets. Mailed to DTSC-approved mailing list.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/26/2000

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Comments:	Published in the Register Pajaronian 12/29/2000.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	07/27/2001
Comments:	Hand-carried to individuals along Walker and Locust Streets (Spanish and English) along with a letter from the City of Watsonville.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/03/2003
Comments:	Hand-carried work notice for water line repairs to residences / industries immediately adjacent to Area 1.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/24/2004
Comments:	No problems noted during inspection.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/25/2003
Comments:	Quarterly groundwater monitoring conducted as a part of Operation and Maintenance activities did not detect lead or arsenic at concentrations exceeding action levels for four consecutive quarters. Based on these results as well as concurrence from the Central Coast Regional Water Quality Control Board, groundwater monitoring was discontinued in June 2003.
Completed Area Name:	Area 4
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/07/2001
Comments:	Distributed to residences and businesses along Walker and Locust Streets on 11/7/2001.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/22/2005
Comments:	Summary of DTSC Cap Inspection conducted 12/12/05.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	01/24/2006
Comments:	Report contains recommendations concerning maintenance activities that need to be completed.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	03/30/2012

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/24/2007
Comments: DTSC recommends that clearing of the grate and catch basin be done immediately.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/24/2007
Comments: Report noted only minor cleaning and repairs on a grate and catch basin. No other problems were noted.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/23/2009
Comments: DTSC has reviewed the Annual Asphalt Cap Inspection Report. DTSC has no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/23/2013
Comments: The recommendations made based on the inspections are the following: 1) Repair surficial cracks observed in the asphalt cap using an asphalt sealant; 2) Remove sediment from the storm water drain inlet grate located along Riverside Drive. These corrective actions will be conducted in April or May 2013.

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/31/2015
Comments: ARCADIS, on the behalf of Chevron Environmental Management Company, performed an annual asphalt cap inspection at the site on May 27, 2015 as required by the Operation & Maintenance Agreement. Maintenance activities performed on the site in connection with the inspection included removal of sediment from the stormwater drains along Riverside Drive and Locust Street, installation of new anchor bolts to secure the metal grates for the stormwater drain along Riverside Drive, and removal of vegetation from a fence line and sidewalk along Locust Street. Application of asphalt sealant to minor surficial cracking was proposed to be performed during 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 01/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/17/2014
Comments: RP conducted a cap inspection on May 20, 2014 as required of the May 13, 2002 Operations and Maintenance Agreement. DTSC concurs with the recommendations and hereby approves the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/20/2002
Comments: The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary for Areas 2, 3, and 4. The Department has determined that all appropriate removal/remedial actions have been completed and all acceptable engineering practices have been implemented, but the site

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

requires ongoing operation and maintenance for Area 1.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	04/22/2010
Comments:	Upon inspection, the asphalt cap in the Granite Rock Service Yard and area adjacent to Dixon & Son Tires appeared to be in good condition, with no cracking or signs of deterioration observed. Additionally, no activities were observed that were prohibited by the Deed Restriction. Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2020
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:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	10/30/2018
Schedule Revised Date:	Not reported

VCP:

Facility ID:	44280006
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	ASP, DAY, HOS, LUC, EX, NOWN, SCH, FOOD, RES
Acres:	3.2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, DEPARTMENT OF HEALTH SERVICES, SANTA CRUZ COUNTY
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Claude Jemison
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Site Code:	200984
Assembly:	30
Senate:	17
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified / Operation & Maintenance
Status Date:	06/20/2002
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	36.90517 / -121.7588
APN:	017-162-06, 017-162-15, 017-162-16, 017-162-26
Past Use:	MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES, MANUFACTURING - PESTICIDES
Potential COC:	30001, 30013, 30001, 30013, 30001, 30013, 30001, 30013
Confirmed COC:	30001,30013,, ,30001,30013,, ,30001,30013

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Potential Description: SOIL, SOIL, SOIL, SOIL
Alias Name: CALIFORNIA SPRAY & CHEMICAL #2
Alias Type: Alternate Name
Alias Name: Calspray
Alias Type: Alternate Name
Alias Name: 017-162-06
Alias Type: APN
Alias Name: 017-162-15
Alias Type: APN
Alias Name: 017-162-16
Alias Type: APN
Alias Name: 017-162-26
Alias Type: APN
Alias Name: 110033617352
Alias Type: EPA (FRS #)
Alias Name: 200984
Alias Type: Project Code (Site Code)
Alias Name: 44280006
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: 12/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/24/2012
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/28/2008
Comments: The cap is in good condition.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2012
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: A letter providing the RP/owner cost estimate of DTSC's oversight cost for fiscal year 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2014
Comments: Not reported

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2015
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: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2017
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: Amendment - Order/Agreement
Completed Date: 12/18/1998
Comments: VCA Amendment for Chapter 6.5 transition.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/19/2002
Comments: Restrictions and requirements that run with the capped Area 1 property are as follows: Asphalt cover not to be disturbed without approval; Day care center prohibited; No excavation or activities which disturb the soil at any depth without DTSC approval; Raising of food prohibited; Hospital use prohibited; Notify DTSC after change of property owner; Residence use prohibited; Public or private school for persons under 21 prohibited.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/13/2002
Comments: O&M Agreement formally executed between DTSC and the Chevron Chemical Company for the 2.5 acre property more specifically described as Santa Cruz County Assessor’s Parcel Number 017-162-26.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/23/2001
Comments: Negative Declaration has been prepared and approved in accordance with the California Environmental Quality Act.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/28/1997
Comments: The purpose of this Agreement is for the Proponent, Chevron Chemical

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Company, to take necessary corrective action to determine the extent of the release of hazardous substances by the former California Spray & Chemical Company ("CalSpray"), adequately characterize CalSpray contamination at the Site, prepare a Remedial Action Plan (RAP) or Removal Action Workplan (RAW), and complete the necessary removal actions or remedial actions for such contamination under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 01/25/2011
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/26/2009
Comments: Upon inspection, the asphalt cap in the Granite Rock Service Yard and area adjacent to Dixon & Son Tires appeared to be in good condition, with no cracking or signs of deterioration observed. Additionally, no activities were observed that were prohibited by the Deed Restriction.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/26/2015
Comments: The financial assurance cost estimate and mechanism were reviewed and found to be satisfactory.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/03/2007
Comments: no Problems noted in the report.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Document Type: Operations and Maintenance Plan
Completed Date: 04/26/2002
Comments: O&M Plan approved by DTSC for Area 1. An Asphalt Cap was installed as part of the DTSC-approved remedial action at the site. The operation and maintenance of the Cap shall include annual visual inspection of the asphalt pavement for cracks or signs of deterioration, provisions to repair any significant crack(s) or signs of deterioration immediately, maintenance of sloping or grading to promote proper drainage, application of a seal or coating over the Asphalt Cap, or repaving with a minimum 2 or 2-1/2 inches of overlay every 15 years.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of modifications to an existing pole shed, asphalt and concrete demolition, fence removal, limited soil excavation, construction of an 11-inch asphalt cap with drainage structures, followed by installation of perimeter retaining walls and fencing. The shed modifications, which included raising the shed on three sides, were performed to allow equipment access after asphalt cap construction. The concrete and asphalt demolition was performed to facilitate the cap construction. Soil excavation was performed in limited areas to prepare trenches for construction of the retaining walls and drainage structures. An 11-inch asphalt cap was constructed over the impacted soil because this alternative allowed for the lowest short-term risk and provided high long-term protection by preventing direct exposure to impacted soil and minimizing precipitation infiltration. This alternative was also the easiest to implement, the least costly, and provided the greatest benefit-to-cost ratio. An Operation and Maintenance Agreement (executed 5/13/02) requires quarterly groundwater monitoring and annual asphalt cap inspection. Deed Restriction (recorded 6/19/02) requires restricted property use for commercial / industrial enterprises only and non-interference with the installed asphalt cap and onsite groundwater monitoring wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/04/2001
Comments: Approved Removal Action Workplan (RAW) requiring the installation of an engineered asphalt cap over Area 1 and excavation and offsite disposal of all material exceeding residential standards for Areas 2 and 4, and for the southern portion of Area 3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/03/2000
Comments: Lead and arsenic in soil are the only constituents of potential concern at the Cal Spray site. The extent of arsenic- and lead-impacted soil is limited to Area 1, the southern and eastern portions of Area 2, the southwestern corner of Area 3, and the northern and southern portion of Area 4. With the exeption of limited areas on Area 1 and Area 2, arsenic- and lead-impacted soil is found at maximum depths of 5 to 6 feet below grade.

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/27/1989
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of structure demolition (illegally constructed two-story wooden structure), excavation and off-site disposal of approximately 975 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock, and installation of perimeter fencing. The residentail soil cleanup standards were met on all portions of Area 2.

Completed Area Name: Area 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The soil remedial action consisted of asphalt concrete demolition, excavation and off-site disposal of approximately 270 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock. For the excavation area just south of the existing Scotts Valley Sprinkler and Pipe Supply Company building, four inches of asphalt concrete was placed over the compacted aggregate base and the area was restored as a parking lot. Site restoration activities also included the installation of a concrete retaining wall and commercial chain link fencing along the eastern property boundary. The property continues productive use as the location of Scotts Valley Sprinkler and Pipe Supply Company operations and storage.

Completed Area Name: Area 4
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2002
Comments: The remedial action consisted of structure demolition, excavation and off-site disposal of approximately 604 cubic yards of lead and arsenic-impacted soil, followed by backfilling with clean soil, leveling and grading with baserock, and installation of perimeter fencing. The residential soil cleanup standards were met on all portions of Area 4.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/27/2000
Comments: Spanish and English hand carried to residences along Walker and Locust Streets. Mailed to DTSC-approved mailing list.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/26/2000

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Comments:	Published in the Register Pajaronian 12/29/2000.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	07/27/2001
Comments:	Hand-carried to individuals along Walker and Locust Streets (Spanish and English) along with a letter from the City of Watsonville.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/03/2003
Comments:	Hand-carried work notice for water line repairs to residences / industries immediately adjacent to Area 1.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/24/2004
Comments:	No problems noted during inspection.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/25/2003
Comments:	Quarterly groundwater monitoring conducted as a part of Operation and Maintenance activities did not detect lead or arsenic at concentrations exceeding action levels for four consecutive quarters. Based on these results as well as concurrence from the Central Coast Regional Water Quality Control Board, groundwater monitoring was discontinued in June 2003.
Completed Area Name:	Area 4
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/07/2001
Comments:	Distributed to residences and businesses along Walker and Locust Streets on 11/7/2001.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/22/2005
Comments:	Summary of DTSC Cap Inspection conducted 12/12/05.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	01/24/2006
Comments:	Report contains recommendations concerning maintenance activities that need to be completed.
Completed Area Name:	Area 1
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	03/30/2012

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/24/2007
Comments: DTSC recommends that clearing of the grate and catch basin be done immediately.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/24/2007
Comments: Report noted only minor cleaning and repairs on a grate and catch basin. No other problems were noted.

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/23/2009
Comments: DTSC has reviewed the Annual Asphalt Cap Inspection Report. DTSC has no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/23/2013
Comments: The recommendations made based on the inspections are the following: 1) Repair surficial cracks observed in the asphalt cap using an asphalt sealant; 2) Remove sediment from the storm water drain inlet grate located along Riverside Drive. These corrective actions will be conducted in April or May 2013.

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/31/2015
Comments: ARCADIS, on the behalf of Chevron Environmental Management Company, performed an annual asphalt cap inspection at the site on May 27, 2015 as required by the Operation & Maintenance Agreement. Maintenance activities performed on the site in connection with the inspection included removal of sediment from the stormwater drains along Riverside Drive and Locust Street, installation of new anchor bolts to secure the metal grates for the stormwater drain along Riverside Drive, and removal of vegetation from a fence line and sidewalk along Locust Street. Application of asphalt sealant to minor surficial cracking was proposed to be performed during 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 01/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/17/2014
Comments: RP conducted a cap inspection on May 20, 2014 as required of the May 13, 2002 Operations and Maintenance Agreement. DTSC concurs with the recommendations and hereby approves the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/20/2002
Comments: The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary for Areas 2, 3, and 4. The Department has determined that all appropriate removal/remedial actions have been completed and all acceptable engineering practices have been implemented, but the site

CALIFORNIA SPRAY & CHEMICAL (Continued) **S103628943**

requires ongoing operation and maintenance for Area 1.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	04/22/2010
Comments:	Upon inspection, the asphalt cap in the Granite Rock Service Yard and area adjacent to Dixon & Son Tires appeared to be in good condition, with no cracking or signs of deterioration observed. Additionally, no activities were observed that were prohibited by the Deed Restriction. Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2020
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:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	10/30/2018
Schedule Revised Date:	Not reported

DEED:

Envirostor ID:	44280006
Area:	AREA 1
Sub Area:	Not reported
Site Type:	VOLUNTARY CLEANUP
Status:	CERTIFIED / OPERATION & MAINTENANCE
Agency:	Not reported
Covenant Uploaded:	Not reported
Deed Date(s):	06/19/2002
File Name:	Envirostor Land Use Restrictions

61
WSW
1/2-1
0.843 mi.
4452 ft.

SPECTRA-MAT **ENVIROSTOR** **S100183146**
1234 STATE HIGHWAY 1 **N/A**
WATSONVILLE, CA 95076

Relative: Higher

Actual: 49 ft.

ENVIROSTOR:

Facility ID:	44360018
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

SPECTRA-MAT (Continued) **S100183146**

Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Berkeley
Assembly:	Not reported
Senate:	Not reported
Special Program:	* Rural County Survey Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.86327
Longitude:	-121.7710
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	44360018
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	05/04/1988
Comments:	FACILITY IDENTIFIED WATSONVILLE CITY FIRE DEPARTMENT RWQCB-LEAD SITE PURSUANT TO PERCH SPILL FROM ABOVE-GROUND TANK. ELECTRONICS EQUIPMENT MANUFACTURER
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

N62 **A AND S METALS** **ENVIROSTOR** **S110494459**
SSW **1080 W BEACH STREET** **SWRCY** **N/A**
1/2-1 **WATSONVILLE, CA 95076** **CUPA Listings**
0.860 mi. **NPDES**
4540 ft. **Site 1 of 4 in cluster N** **CERS**
CERS HAZ WASTE
Relative: Lower **CIWQS**

Actual: 17 ft.

ENVIROSTOR:

Facility ID:	71002601
Status:	No Further Action
Status Date:	04/14/2003
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	4
NPL:	NO
Regulatory Agencies:	HWMP, SANTA CRUZ COUNTY
Lead Agency:	HWMP

A AND S METALS (Continued) **S110494459**

Program Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 30
Senate: 17
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 36.90248
Longitude: -121.7719
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD081448961
Alias Type: EPA Identification Number
Alias Name: 71002601
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/15/2000
Comments: Santa Cruz County Health Services Agency concluded in this letter to West Coast Circuits that no further assessment was needed based on the results of sampling performed during the facility closure.

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

SWRCY:
Reg Id: 169952
Cert Id: RC169952.001
Mailing Address: P O Box 955
Mailing City: Castroville
Mailing State: CA
Mailing Zip Code: 95012
Website: http://www.asmetals.com/
Email: Not reported
Phone Number: (831) 633-3379
Grand Father: N
Rural: N
Operation Begin Date: 08/31/2012
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y

A AND S METALS (Continued) **S110494459**

Agency:	N/A
Monday Hours Of Operation:	9:00 am - 5:00 pm
Tuesday Hours Of Operation:	9:00 am - 5:00 pm
Wednesday Hours Of Operation:	9:00 am - 5:00 pm
Thursday Hours Of Operation:	9:00 am - 5:00 pm
Friday Hours Of Operation:	9:00 am - 5:00 pm
Saturday Hours Of Operation:	9:00 am - 5:00 pm
Sunday Hours Of Operation:	CLOSED
Organization ID:	18484
Organization Name:	SGS Recycling Enterprises Inc

CUPA SANTA CRUZ:

Facility Id:	FA0007250
Cross Street:	Not reported
Description:	HMMP STANDARD FORM FILING FEE

Facility Id:	FA0007250
Cross Street:	Not reported
Description:	HMMP STANDARD FORM QR 3

Facility Id:	FA0007250
Cross Street:	Not reported
Description:	HAZARDOUS WASTE GENERATOR (HMMP STD FORM)

NPDES:

Facility Status:	Active
NPDES Number:	CAS000001
Region:	3
Agency Number:	0
Regulatory Measure ID:	447841
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	3 44I024951
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2014
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 955
Discharge Name:	SGS Recycling Enterprises Inc
Discharge City:	Castroville
Discharge State:	California
Discharge Zip:	95012
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3

A AND S METALS (Continued) **S110494459**

Regulatory Measure ID:	447841
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44I024951
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:	07/10/2014
Processed Date:	07/10/2014
Status:	Active
Status Date:	07/10/2014
Place Size:	1.13
Place Size Unit:	Acres
Contact:	Jeff Vezzolo
Contact Title:	Safety Director
Contact Phone:	831-722-3597
Contact Phone Ext:	Not reported
Contact Email:	jvezzolo@asmetals.com
Operator Name:	SGS Recycling Enterprises Inc
Operator Address:	PO Box 955
Operator City:	Castroville
Operator State:	California
Operator Zip:	95012
Operator Contact:	Jeff Vezzolo
Operator Contact Title:	Safety Director
Operator Contact Phone:	831-633-3379
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jvezzolo@asmetals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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

A AND S METALS (Continued) **S110494459**

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:	N
Receiving Water Name:	Pajaro River
Certifier:	Jeff Vezzolo
Certifier Title:	Safety Director
Certification Date:	25-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	3
Regulatory Measure ID:	447841
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	3 44I024951
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SGS Recycling Enterprises Inc
Discharge Address:	PO Box 955
Discharge City:	Castroville
Discharge State:	California
Discharge Zip:	95012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported

A AND S METALS (Continued) **S110494459**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

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 44I024951
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:	Active
Status Date:	07/10/2014
Operator Name:	SGS Recycling Enterprises Inc

A AND S METALS (Continued) **S110494459**

Operator Address:	PO Box 955
Operator City:	Castroville
Operator State:	California
Operator Zip:	95012

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	3
Regulatory Measure ID:	447841
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	3 44I024951
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:	07/10/2014
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Status:	Active
Status Date:	07/10/2014
Place Size:	1.13
Place Size Unit:	Acres
Contact:	Jeff Vezzolo
Contact Title:	Safety Director
Contact Phone:	831-722-3597
Contact Phone Ext:	Not reported
Contact Email:	jvezzolo@asmetals.com
Operator Name:	SGS Recycling Enterprises Inc
Operator Address:	PO Box 955
Operator City:	Castroville
Operator State:	California
Operator Zip:	95012
Operator Contact:	Jeff Vezzolo
Operator Contact Title:	Safety Director
Operator Contact Phone:	831-633-3379
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jvezzolo@asmetals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

A AND S METALS (Continued) **S110494459**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	N
Receiving Water Name:	Pajaro River
Certifier:	Jeff Vezzolo
Certifier Title:	Safety Director
Certification Date:	25-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	3
Regulatory Measure ID:	447841
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	3 44I024951
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SGS Recycling Enterprises Inc
Discharge Address:	PO Box 955
Discharge City:	Castroville
Discharge State:	California
Discharge Zip:	95012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported

A AND S METALS (Continued) **S110494459**

Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
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:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CERS TANKS:

Site ID:	384003
CERS ID:	10477939
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	384003
Site Name:	A & S Metals
Violation Date:	01-15-2014
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.

A AND S METALS (Continued) **S110494459**

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 08/01/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384003
Site Name: A & S Metals
Violation Date: 07-20-2016
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 and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/01/2016. Businesses must file HMMP's through CERS every 12 mths. 2 prior notices.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384003
Site Name: A & S Metals
Violation Date: 05-08-2015
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 08/01/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
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: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2015
Violations Found: No
Eval Type: Routine done by local agency

A AND S METALS (Continued) **S110494459**

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: 05-08-2015
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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2016
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: 07-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-25-2014
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: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2017
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: 08-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site Inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP

A AND S METALS (Continued) **S110494459**

Eval Source: CERS

Enforcement Action:
Site ID: 384003
Site Name: A & S Metals
Site Address: 1080 W BEACH ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 01-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 384003
Site Name: A & S Metals
Site Address: 1080 W BEACH ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 05-08-2015
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: 384003
Site Name: A & S Metals
Site Address: 1080 W BEACH ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 07-20-2016
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: 384003
Facility Name: A & S Metals
Env Int Type Code: HMBP
Program ID: 10477939
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.902500
Longitude: -121.771920

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Santa Cruz County Environmental Health
Entity Title: Not reported

A AND S METALS (Continued) **S110494459**

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:	Jeff Vezzolo
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:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jeff Vezzolo
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95012
Affiliation Phone:	(831) 633-3379
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95012
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeff Vezzolo
Entity Title:	Safety Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SGS Recycling Enterprises, Inc.
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95012
Affiliation Phone:	(831) 633-3379

A AND S METALS (Continued) **S110494459**

Affiliation Type Desc:	Operator
Entity Name:	A & S Metals
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) 633-3379

Affiliation Type Desc:	Parent Corporation
Entity Name:	A & S Metals
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:	Not reported

CERS HAZ WASTE:

Site ID:	384003
CERS ID:	10477939
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	384003
Site Name:	A & S Metals
Violation Date:	01-15-2014
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 08/01/2016.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	384003
Site Name:	A & S Metals
Violation Date:	07-20-2016
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 and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/01/2016. Businesses must file HMMP's through CERS every 12 mths. 2 prior notices.
Violation Division:	Santa Cruz County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	384003

A AND S METALS (Continued) **S110494459**

Site Name: A & S Metals
Violation Date: 05-08-2015
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 08/01/2016.
Violation Division: Santa Cruz County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
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: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2015
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: 05-08-2015
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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2016
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

A AND S METALS (Continued) **S110494459**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Annual site inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-25-2014
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: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2017
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: 08-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Annual site Inspection.
Eval Division: Santa Cruz County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 384003
Site Name: A & S Metals
Site Address: 1080 W BEACH ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 01-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Santa Cruz County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 384003
Site Name: A & S Metals
Site Address: 1080 W BEACH ST
Site City: WATSONVILLE
Site Zip: 95076
Enf Action Date: 05-08-2015
Enf Action Type: Notice of Violation (Unified Program)

A AND S METALS (Continued) **S110494459**

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:	384003
Site Name:	A & S Metals
Site Address:	1080 W BEACH ST
Site City:	WATSONVILLE
Site Zip:	95076
Enf Action Date:	07-20-2016
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:	384003
Facility Name:	A & S Metals
Env Int Type Code:	HMBP
Program ID:	10477939
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	36.902500
Longitude:	-121.771920

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:	Jeff Vezzolo
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:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jeff Vezzolo
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA

A AND S METALS (Continued) **S110494459**

Affiliation Country:	Not reported
Affiliation Zip:	95012
Affiliation Phone:	(831) 633-3379
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95012
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeff Vezzolo
Entity Title:	Safety Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SGS Recycling Enterprises, Inc.
Entity Title:	Not reported
Affiliation Address:	PO Box 955
Affiliation City:	Castroville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95012
Affiliation Phone:	(831) 633-3379
Affiliation Type Desc:	Operator
Entity Name:	A & S Metals
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) 633-3379
Affiliation Type Desc:	Parent Corporation
Entity Name:	A & S Metals
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:	Not reported

CIWQS:
Agency: SGS Recycling Enterprises Inc

A AND S METALS (Continued) **S110494459**

Agency Address:	PO Box 955, Castroville, CA 95012
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093
Region:	3
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	3 44I024951
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/10/2014
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:	36.90258
Longitude:	-121.77197

N63 **WEST COAST CIRCUITS** **ENVIROSTOR** **S100275593**
SSW **1080 WEST BEACH STREET** **CHMIRS** **N/A**
1/2-1 **WATSONVILLE, CA 95076** **CERS**
0.860 mi.
4540 ft. **Site 2 of 4 in cluster N**

Relative: **Lower**
Actual: **17 ft.**

ENVIROSTOR:

Facility ID:	80001692
Status:	No Further Action
Status Date:	05/16/2003
Site Code:	200441
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	1.13
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Assembly:	30
Senate:	17
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	36.90249
Longitude:	-121.7719
APN:	018-481-05
Past Use:	METAL PLATING - OTHER
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	018-481-05
Alias Type:	APN

WEST COAST CIRCUITS (Continued) **S100275593**

Alias Name: CAD081448961
Alias Type: EPA Identification Number
Alias Name: 200441
Alias Type: Project Code (Site Code)
Alias Name: 80001692
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/13/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Other Instrument
Completed Date: 05/27/1981
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/01/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/18/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Closure Certification
Completed Date: 03/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/28/2002
Comments: DTSC completed a RCRA Facility Assessment (RFA) to identify and evaluate the solid waste management units (SWMUs) and areas of concern (AOCs) at the site of the former West Coast Circuits, Inc. facility. The RFA identified six SWMUs and two AOCs. DTSC concluded that further corrective action was needed for SWMU # 5, the Plating Area and that no further corrective action was need for the rest of the SWMUs and the AOCs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 05/27/2003
Comments: The RCRA Facility Assessment (RFA), prepared by DTSC and dated June 28, 2002, concluded further corrective action was needed for plating area that was identified in the RFA as Solid Waste Management Unit #5 (SWMU #5). DTSC requested that West Coast Circuits perform soil

WEST COAST CIRCUITS (Continued) **S100275593**

sampling in the plating area. Soil samples were collected from five soil borings drilled in the plating area and from a sixth background boring outside the facility. The results of the soil sampling showed that metals associated with the plating operations had not impacted the soil underneath the plating area. DTSC concluded in an RFA Addendum that no further action was needed.

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

CHMIRS:

OES Incident Number:	001391
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**09-OCT-90**
Property Use:	700
Agency Id Number:	44080
Agency Incident Number:	90-1-1120
Time Notified:	1245
Time Completed:	1305
Surrounding Area:	600
Estimated Temperature:	70
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
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:	ALLAN CAMPBELL, FIREFIGHTER III
Report Date:	09-OCT-90
Facility Telephone:	408 728-6060
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

WEST COAST CIRCUITS (Continued) **S100275593**

Year:	88-92
Agency:	Not reported
Incident Date:	09-OCT-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	12-JUN-91
Substance:	Not reported
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:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

CERS TANKS:

Site ID:	224315
CERS ID:	80001692
CERS Description:	Corrective Action

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	TONY HERNANDEZ FACILITY MNGR
Entity Title:	Not reported
Affiliation Address:	INACT 00VQ FINAL NOTICE - BATCH4/10/01
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	950770000
Affiliation Phone:	4087284271

Affiliation Type Desc:	Facility Owner
Entity Name:	WEST COAST CIRCUITS INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 2710
Affiliation City:	WATSONVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	950772710
Affiliation Phone:	4087284271

Affiliation Type Desc:	Supervisor
Entity Name:	MARK PIROS
Entity Title:	Not reported
Affiliation Address:	Not reported

WEST COAST CIRCUITS (Continued) **S100275593**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Site ID: 224315
CERS ID: CAD081448961
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: TONY HERNANDEZ FACILITY MNGR
Entity Title: Not reported
Affiliation Address: INACT 00VQ FINAL NOTICE - BATCH4/10/01
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 950770000
Affiliation Phone: 4087284271

Affiliation Type Desc: Facility Owner
Entity Name: WEST COAST CIRCUITS INC
Entity Title: Not reported
Affiliation Address: PO BOX 2710
Affiliation City: WATSONVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 950772710
Affiliation Phone: 4087284271

Affiliation Type Desc: Supervisor
Entity Name: MARK PIROS
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: Not reported

N64 **WESTCOAST CIRCUITS** **SEMS-ARCHIVE** **1000391670**
SSW **1080 WEST BEACH ST** **CORRACTS** **CAD081448961**
1/2-1 **WATSONVILLE, CA 95076** **RCRA-TSDF**
0.860 mi. **RCRA-SQG**
4540 ft. **Site 3 of 4 in cluster N**

Relative: **Lower**
Actual: **17 ft.**

SEMS Archive:
Site ID: 901617
EPA ID: CAD081448961
Cong District: 16
FIPS Code: 6087
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

WESTCOAST CIRCUITS (Continued) **1000391670**

SEMS Archive Detail:

Region:	9
Site ID:	901617
EPA ID:	CAD081448961
Site Name:	WESTCOAST CIRCUITS
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-11-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	901617
EPA ID:	CAD081448961
Site Name:	WESTCOAST CIRCUITS
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-07-01 00:00:00
Finish Date:	1980-07-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901617
EPA ID:	CAD081448961
Site Name:	WESTCOAST CIRCUITS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1985-07-01 00:00:00
Finish Date:	1985-11-01 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

CORRACTS:

EPA ID:	CAD081448961
EPA Region:	9
Area Name:	ENTIRE FACILITY
Actual Date:	19941110
Action:	CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s):	332813 33991 334412 334412

WESTCOAST CIRCUITS (Continued) **1000391670**

Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Bare Printed Circuit Board Manufacturing
Bare Printed Circuit Board Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD081448961
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920313
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 332813 33991 334412 334412
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Bare Printed Circuit Board Manufacturing
Bare Printed Circuit Board Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD081448961
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19911118
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 332813 33991 334412 334412
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Bare Printed Circuit Board Manufacturing
Bare Printed Circuit Board Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD081448961
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20030527
Action: CA050 - RFA Completed
NAICS Code(s): 332813 33991 334412 334412
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Bare Printed Circuit Board Manufacturing
Bare Printed Circuit Board Manufacturing
Original schedule date: 20030527
Schedule end date: Not reported

EPA ID: CAD081448961
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20030527
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 332813 33991 334412 334412
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Bare Printed Circuit Board Manufacturing

WESTCOAST CIRCUITS (Continued) **1000391670**

Bare Printed Circuit Board Manufacturing
Original schedule date: 20030527
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/04/1999
Facility name: WESTCOAST CIRCUITS
Site name: WEST COAST CIRCUITS, INC.
Facility address: 1080 WEST BEACH ST
WATSONVILLE, CA 95076
EPA ID: CAD081448961
Mailing address: P.O. BOX 2710
WATSONVILLE, CA 95077
Contact: HUYEN HUYNH
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 408-728-4271
Telephone ext.: 0184
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: WESTCOAST CIRCUITS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: WESTCOAST CIRCUITS
Classification: Small Quantity Generator

Date form received by agency: 02/28/1996
Site name: WEST COAST CIRCUITS, INC.
Classification: Large Quantity Generator

WESTCOAST CIRCUITS (Continued) **1000391670**

Date form received by agency: 06/06/1994
Site name: WEST COAST CIRCUITS
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Site name: WESTCOAST CIRCUITS
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: WESTCOAST CIRCUITS
Classification: Large Quantity Generator

Date form received by agency: 07/11/1980
Site name: WESTCOAST CIRCUITS
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 11/01/1985
Event: PA OR CERCLA INSPECTION

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 11/18/1991
Event: LEAD AGENCY DETERMINATION

Event date: 11/18/1991
Event: PA OR CERCLA INSPECTION

Event date: 11/18/1991
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 03/13/1992
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 03/13/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 11/10/1994
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 05/27/2003
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY

Event date: 05/27/2003
Event: RFA COMPLETED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 05/09/1994
Date achieved compliance: 06/15/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1994

WESTCOAST CIRCUITS (Continued) **1000391670**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 05/09/1994
Date achieved compliance: 05/09/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/21/1994
Date achieved compliance: 05/20/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 01/29/1993
Date achieved compliance: 03/22/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 01/29/1993
Date achieved compliance: 03/22/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/1993
Enf. disposition status: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/23/1992
Date achieved compliance: 12/09/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/25/1991
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/02/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/20/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/02/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/17/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/17/1990
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

WESTCOAST CIRCUITS (Continued) **1000391670**

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported

WESTCOAST CIRCUITS (Continued) **1000391670**

Area of violation: TSD - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/30/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/11/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements

WESTCOAST CIRCUITS (Continued) **1000391670**

Date violation determined: 08/11/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/11/1989
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/18/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1987

WESTCOAST CIRCUITS (Continued) **1000391670**

Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/18/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993

WESTCOAST CIRCUITS (Continued) **1000391670**

Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/08/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 155000
Final penalty amount: 155000
Paid penalty amount: 155000

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/28/1987
Date achieved compliance: 11/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/18/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/21/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/20/1994
Evaluation lead agency: State

Evaluation date: 04/21/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 06/15/1994
Evaluation lead agency: State

Evaluation date: 04/21/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/09/1994
Evaluation lead agency: State

WESTCOAST CIRCUITS (Continued) **1000391670**

Evaluation date: 11/18/1993
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 03/22/1994
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/22/1994
Evaluation lead agency: State

Evaluation date: 12/09/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/23/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/09/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 10/25/1991
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 09/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 09/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 09/20/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

WESTCOAST CIRCUITS (Continued) **1000391670**

Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 09/20/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 09/17/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/11/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/28/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/28/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

Evaluation date: 08/28/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1993
Evaluation lead agency: State

N65 **WEST COAST CIRCUITS** **HWP** **S103622056**
SSW **1080 WEST BEACH STREET** **N/A**
1/2-1 **WATSONVILLE, CA 95076**
0.860 mi.
4540 ft. **Site 4 of 4 in cluster N**

Relative:
Lower

Actual:
17 ft.

HWP:

EPA Id:	CAD081448961
Cleanup Status:	CLOSED
Latitude:	36.90249
Longitude:	-121.7719
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	200441
Assembly District:	30
Senate District:	17
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	04/29/1988

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/14/1980

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	05/27/1988

Closure:

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date:	05/17/1994

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	Closure Certification - ISSUE CLOSURE VERIFICATION
Actual Date:	03/27/1994

EPA Id:	CAD081448961
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	05/27/1994

WEST COAST CIRCUITS (Continued) **S103622056**

Alias:
EPA Id: CAD081448961
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 200441

66
ESE
1/2-1
0.863 mi.
4557 ft.

GAS STATION
222 MAIN STREET
WATSONVILLE, CA 93208

Notify 65 **S100178688**
N/A

Relative:
Higher

Actual:
30 ft.

NOTIFY 65:
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

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WATSONVILLE	1000375088	MOSS LANDING	HIGHWAY 1, 3 MILES SOUTH OF WA	95076	ENVIROSTOR
WATSONVILLE	1003878945	PG&E GAS PLANT WATSONVILLE 408 8A	MAIN NR 5TH STS	95076	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Federal NPL site list

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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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

Federal Delisted NPL site list

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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
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: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: Varies

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

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 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 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: Quarterly

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

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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 26
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

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: 06/21/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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: 04/20/2009
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: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

State and tribal Brownfields 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: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
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: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

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: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
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: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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.

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: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/01/2018
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
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: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
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: Quarterly

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: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
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: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
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: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 107

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO

Cupa facilities

Date of Government Version: 04/20/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

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: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/10/2018
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: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
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: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 05/23/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 43

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
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: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

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: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/12/2018
Date Data Arrived at EDR: 07/12/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INYO COUNTY:

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: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
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: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
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: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 10/22/2018
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: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/31/2018
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 57

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/30/2018
Date Data Arrived at EDR: 06/01/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/02/2018
Next Scheduled EDR Contact: 10/15/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/23/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 41

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 61

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
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: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/07/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 28
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
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: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

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: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/26/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 28
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
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: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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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

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

WATSONVILLE PHASE I
999, 1017, 1035, 1039, AND 1075 MAIN STREET
WATSONVILLE, CA 95076

TARGET PROPERTY COORDINATES

Latitude (North):	36.915474 - 36° 54' 55.71''
Longitude (West):	121.768324 - 121° 46' 5.97''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	609715.9
UTM Y (Meters):	4086001.0
Elevation:	27 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5620290 WATSONVILLE WEST, CA
Version Date:	2012
East Map:	5603778 WATSONVILLE EAST, CA
Version Date:	2012

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).

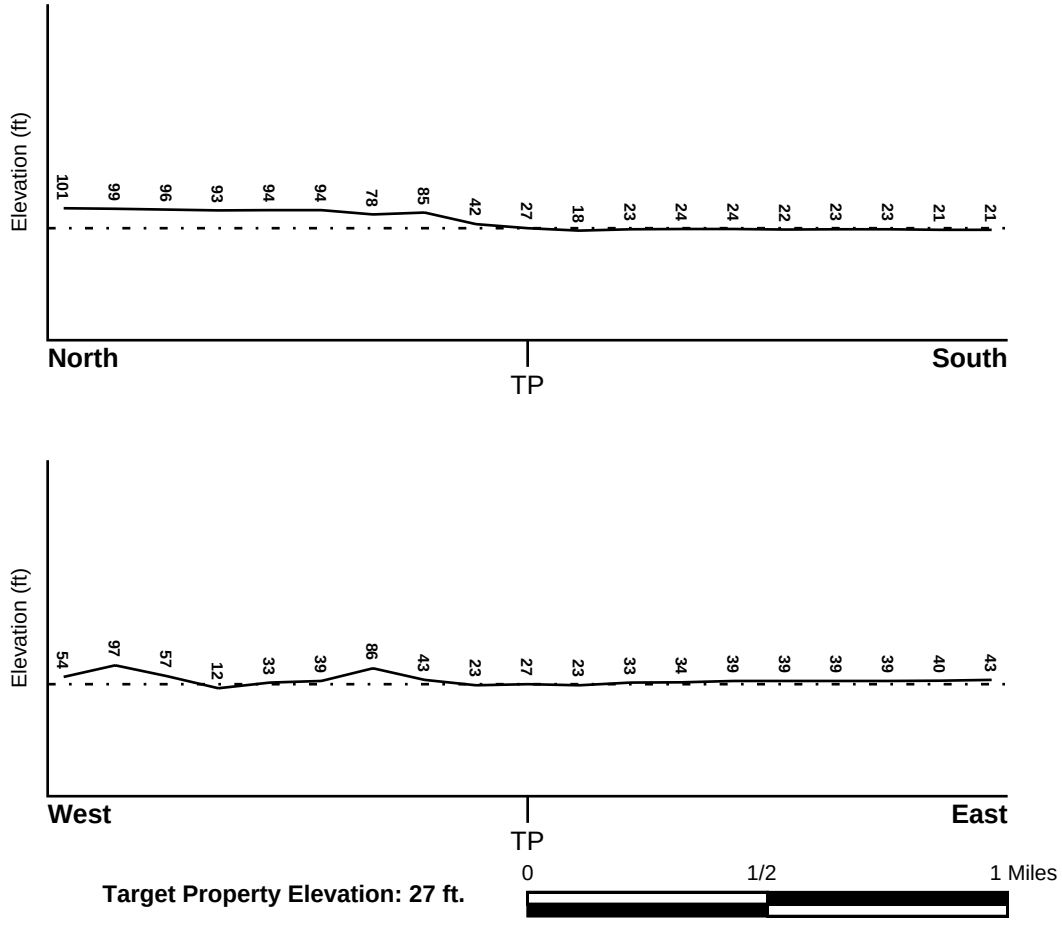
TOPOGRAPHIC INFORMATION

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 South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 27 ft.

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
06087C0392E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06087C0391E	FEMA FIRM Flood data
06087C0393E	FEMA FIRM Flood data
06087C0394E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WATSONVILLE WEST	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
Not Reported		

* ©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

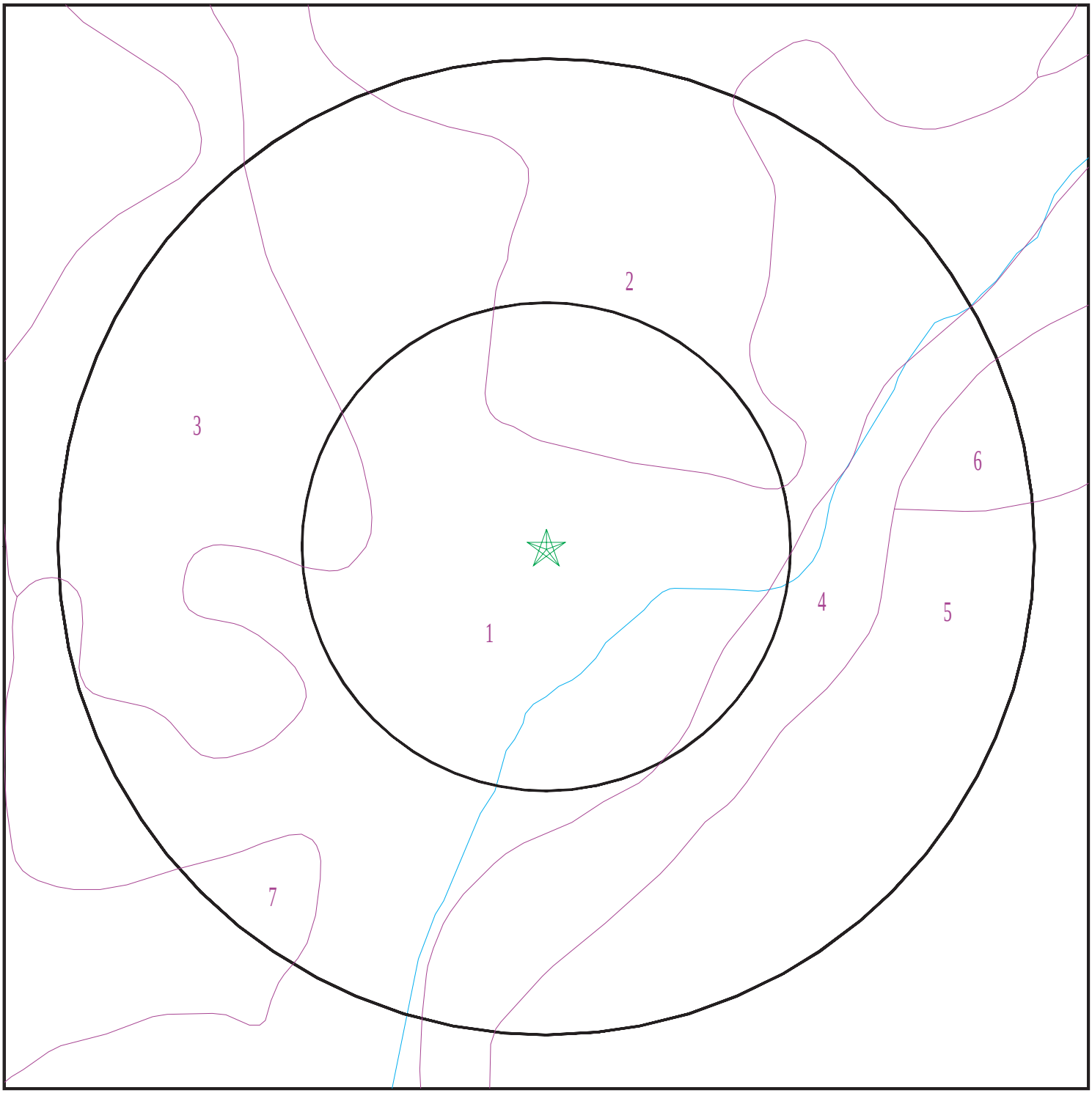
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 5424064.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Watsonville Phase I	CLIENT:	Roux Associates Inc
ADDRESS:	999, 1017, 1035, 1039, and 1075 Main Street Watsonville CA 95076	CONTACT:	Josh Fox
LAT/LONG:	36.915474 / 121.768324	INQUIRY #:	5424064.2s
		DATE:	September 14, 2018 3:42 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: AQUENTS

Soil Surface Texture: clay

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: Very poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 25 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	59 inches	clay	Granular materials (35 pct. or less passing No. 200), Fine Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 705 Min: 0.42	Max: 7.3 Min: 5.6

Soil Map ID: 2

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: 3

Soil Component Name: CROPLEY

Soil Surface Texture: silty clay

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: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	27 inches	silty clay	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	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	27 inches	44 inches	clay	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	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	44 inches	59 inches	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	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

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: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 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	7 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: CONEJO

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: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	7 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	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

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	7 inches	64 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	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 6

Soil Component Name: TIERRA

Soil Surface Texture: sandy 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: Moderately well 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	14 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 5.1
2	14 inches	66 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 7

Soil Component Name: DIABLO

Soil Surface Texture: clay

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

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	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	29 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	59 inches	62 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	USGS40000179318	1/2 - 1 Mile SSW
6	USGS40000179378	1/2 - 1 Mile WSW
7	USGS40000179327	1/2 - 1 Mile SE
8	USGS40000179287	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

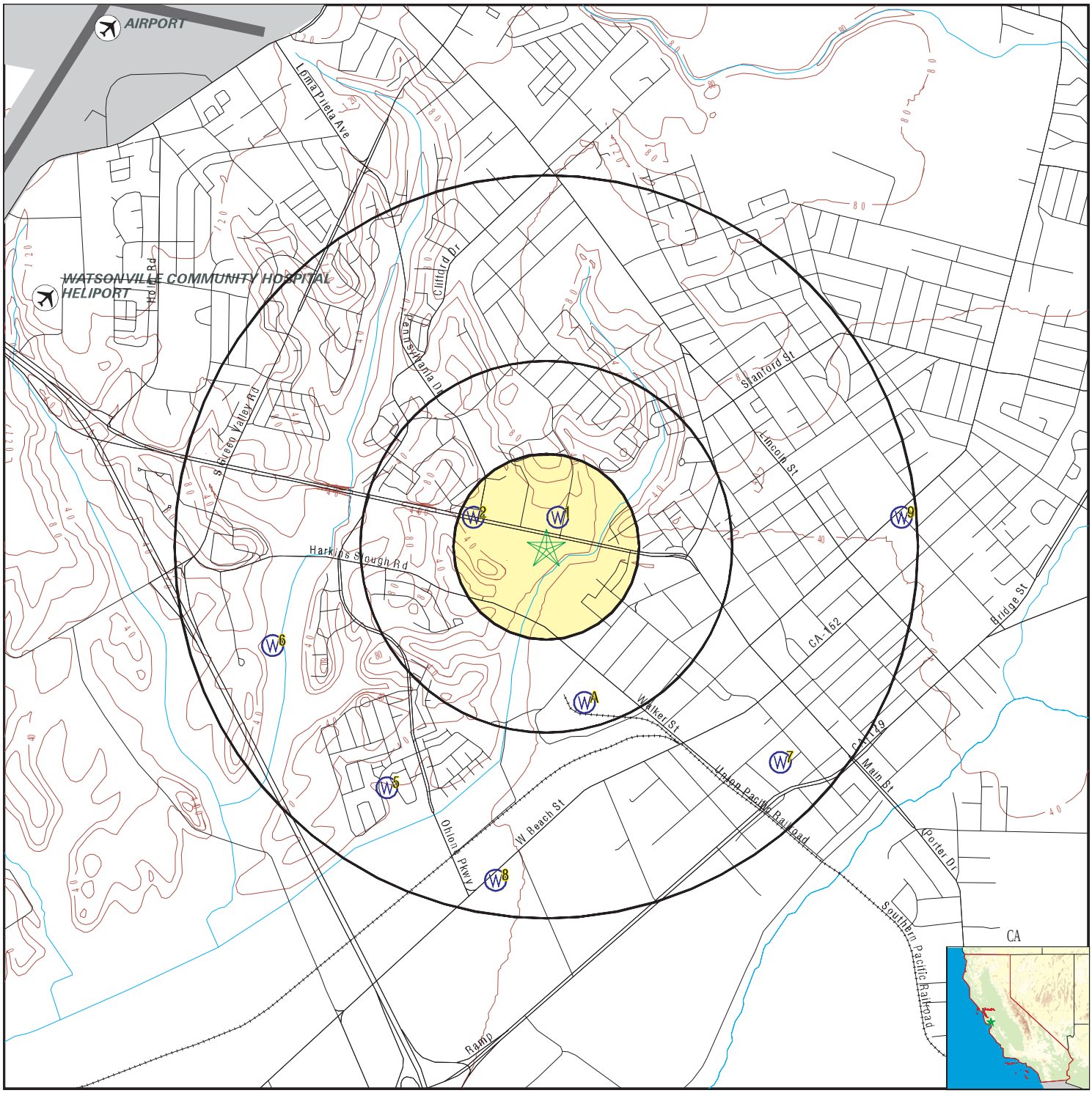
No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	10958	0 - 1/8 Mile NNE
2	10955	1/8 - 1/4 Mile WNW
A3	10956	1/4 - 1/2 Mile South
A4	10957	1/4 - 1/2 Mile SSE
9	10959	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 5424064.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- 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

SITE NAME:	Watsonville Phase I	CLIENT:	Roux Associates Inc
ADDRESS:	999, 1017, 1035, 1039, and 1075 Main Street Watsonville CA 95076	CONTACT:	Josh Fox
		INQUIRY #:	5424064.2s
LAT/LONG:	36.915474 / 121.768324	DATE:	September 14, 2018 3:42 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: CA WELLS
EDR ID Number: 10958

1
NNE
0 - 1/8 Mile
Higher

Seq:	10958	Prim sta c:	12S/02E-08H02 M
Frds no:	4410011006	County:	44
District:	05	User id:	HEN
System no:	4410011	Water type:	G
Source nam:	WELL 07	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	365500.0	Longitude:	1214600.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	4410011	System nam:	City of Watsonville
Hqname:	Not Reported	Address:	P.O. BOX 5000
City:	WATSONVILLE	State:	CA
Zip:	95077	Zip ext:	Not Reported
Pop serv:	47000	Connection:	12018
Area serve:	WATSONVILLE VIC		

Sample date:	14-MAR-18	Finding:	10.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	12-JUN-17	Finding:	13.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	15-MAR-17	Finding:	11.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		

Sample date:	15-MAR-17	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	15-MAR-17	Finding:	0.18
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	15-MAR-17	Finding:	42.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	15-MAR-17	Finding:	30.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	38.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	32.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	63.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	290.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	2.9
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	280.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	630.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	2.78
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	2.78
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	4.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	15-MAR-17	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	18.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	350.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.4
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported

Dlr:	0.		
Sample date:	15-MAR-17	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-16	Finding:	13.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	11-JUL-16	Finding:	2.84
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JUN-16	Finding:	13.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	15-MAR-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	14-DEC-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	28-SEP-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUN-15	Finding:	13.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	01-JAN-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	19-MAR-14	Finding:	0.16
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	38.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-MAR-14	Finding:	28.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	33.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	27.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	52.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	19-MAR-14	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	240.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	610.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	4.9e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	11.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	19-MAR-14	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	1.
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	2800.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAR-14	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

2
WNW
1/8 - 1/4 Mile
Lower

CA WELLS **10955**

Seq:	10955	Prim sta c:	12S/02E-05K01 M
Frds no:	4410011014	County:	44
District:	05	User id:	HEN
System no:	4410011	Water type:	G
Source nam:	WELL 17	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	365500.0	Longitude:	1214615.0
Precision:	4	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	4410011	System nam:	City of Watsonville
Hqname:	Not Reported	Address:	P.O. BOX 5000
City:	WATSONVILLE	State:	CA
Zip:	95077	Zip ext:	Not Reported
Pop serv:	47000	Connection:	12018
Area serve:	WATSONVILLE VIC		

Sample date:	14-MAR-18	Finding:	10.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	12-JUN-17	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	15-MAR-17	Finding:	11.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		

Sample date:	15-MAR-17	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

Sample date:	15-MAR-17	Finding:	0.23
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	15-MAR-17	Finding:	36.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	15-MAR-17	Finding:	14.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	22.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	25.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	230.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	2.4
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	230.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	190.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	480.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	5.e-002
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	5.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	15-MAR-17	Finding:	5.e-002
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	16.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	270.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.2
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported

Dlr:	0.		
Sample date:	15-MAR-17	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	11-JUL-16	Finding:	5.e-002
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JUN-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	15-MAR-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	14-DEC-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	28-SEP-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	22-JUN-15	Finding:	2.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	01-JAN-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	19-MAR-14	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	22.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	44.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	200.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	19-MAR-14	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	470.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	0.147
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	14.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	36.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-MAR-14	Finding:	0.21
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	11.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	19-MAR-14	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	1.
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	20.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

A3
South
1/4 - 1/2 Mile
Higher

CA WELLS **10956**

Seq:	10956	Prim sta c:	12S/02E-08A02 M
Frds no:	4400999001	County:	44
District:	74	User id:	44C
System no:	4400999	Water type:	G

Source nam:	WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	365434.0	Longitude:	1214557.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4400999	System nam:	WATSONVILLE CANNING COMPANY - DEAC
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

A4
SSE **CA WELLS** **10957**
1/4 - 1/2 Mile
Higher

Seq:	10957	Prim sta c:	12S/02E-08A03 M
Frds no:	4400999003	County:	44
District:	74	User id:	44C
System no:	4400999	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	365434.0	Longitude:	1214554.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4400999	System nam:	WATSONVILLE CANNING COMPANY - DEAC
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

5
SSW **FED USGS** **USGS40000179318**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012S002E08F001M	Type:	Well
Description:	Not Reported	HUC:	18060002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	8	Level reading date:	1980-11-10
Feet below surface:	28.91	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1980-08-08	Feet below surface:	33.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-14	Feet below surface:	23.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-13	Feet below surface:	30.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-14	Feet below surface:	36.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-12	Feet below surface:	26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-07	Feet below surface:	31.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-11	Feet below surface:	33.3
Feet to sea level:	Not Reported	Note:	Not Reported

6
WSW **FED USGS** **USGS40000179378**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012S002E05N001M	Type:	Well
Description:	Not Reported	HUC:	18060002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Alluvium of the Coast Range, Younger (Pleistocene-Holocene)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	60	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	22	Level reading date:	1982-08-10
Feet below surface:	25.97	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-03-11	Feet below surface:	17.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-07	Feet below surface:	26.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-21	Feet below surface:	18.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-10	Feet below surface:	28.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-08	Feet below surface:	25.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-14	Feet below surface:	20.79
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-11-13	Feet below surface:	26.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-17	Feet below surface:	23.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-11	Feet below surface:	27.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-17	Feet below surface:	18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-18	Feet below surface:	26.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-18	Feet below surface:	28.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-23	Feet below surface:	13.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-18	Feet below surface:	17.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-29	Feet below surface:	19.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12	Feet below surface:	18.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-26	Feet below surface:	13.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-15	Feet below surface:	0.00
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1970-12-01	Feet below surface:	22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-16	Feet below surface:	0.00
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1970-01-05	Feet below surface:	21
Feet to sea level:	Not Reported	Note:	Not Reported

7
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000179327**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012S002E09C002M	Type:	Well
Description:	Not Reported	HUC:	18060002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19610707	Well Depth:	177
Well Depth Units:	ft	Well Hole Depth:	190
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	389	Level reading date:	1983-09-08
Feet below surface:	43.80	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1983-08-09	Feet below surface:	39.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-06	Feet below surface:	34.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-08	Feet below surface:	29.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-11	Feet below surface:	25.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-14	Feet below surface:	23.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-08	Feet below surface:	27.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-11	Feet below surface:	26.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-08	Feet below surface:	32.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-04	Feet below surface:	37.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-07	Feet below surface:	49.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09	Feet below surface:	45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08	Feet below surface:	48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07	Feet below surface:	44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06	Feet below surface:	43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05	Feet below surface:	41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04	Feet below surface:	54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03	Feet below surface:	37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02	Feet below surface:	34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01	Feet below surface:	35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12	Feet below surface:	38

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11	Feet below surface:	43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10	Feet below surface:	48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-10	Feet below surface:	51.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09	Feet below surface:	68
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1981-08-11	Feet below surface:	62.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08	Feet below surface:	52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-09	Feet below surface:	68.5
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1981-07	Feet below surface:	68
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1981-06-08	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06	Feet below surface:	47.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05	Feet below surface:	45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04	Feet below surface:	37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03	Feet below surface:	38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02	Feet below surface:	38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01	Feet below surface:	38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12	Feet below surface:	41.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11	Feet below surface:	47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10	Feet below surface:	50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-02	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01	Feet below surface:	41.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12	Feet below surface:	44.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11	Feet below surface:	46.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05	Feet below surface:	46.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12	Feet below surface:	44.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11	Feet below surface:	48.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08	Feet below surface:	52.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02	Feet below surface:	39.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12	Feet below surface:	46.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-11	Feet below surface:	47.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08	Feet below surface:	52.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11	Feet below surface:	45.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10	Feet below surface:	47.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09	Feet below surface:	49.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08	Feet below surface:	50.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06	Feet below surface:	48.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05	Feet below surface:	46.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-10	Feet below surface:	42.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08	Feet below surface:	45.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06	Feet below surface:	41.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-01	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11	Feet below surface:	39.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-05	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-26	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-19	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-12	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-05	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-29	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-22	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-15	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-08	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-01	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-25	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-18	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-11	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-04	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-27	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-20	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-13	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-06	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-10-30	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-23	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-16	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-09	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-25	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-18	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-04	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-28	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-21	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-14	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-07	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-31	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-24	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-17	Feet below surface:	56.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-10	Feet below surface:	43.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-03	Feet below surface:	42.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-26	Feet below surface:	42.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-19	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-12	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-05	Feet below surface:	40.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-05-29	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-22	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-15	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-08	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-01	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-24	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-17	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-10	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-03	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-27	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-20	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-13	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-06	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-28	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-21	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-14	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-07	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-31	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-24	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-17	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-10	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-01-03	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-27	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-20	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-13	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-06	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-29	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-22	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-15	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-08	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-01	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-25	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-18	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-11	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-04	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-27	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-20	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-13	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-06	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-30	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-23	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-16	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-08-09	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-02	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-26	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-19	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-12	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-05	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-28	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-21	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-14	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-07	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-31	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-24	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-17	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-10	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-03	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-26	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-19	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-12	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-05	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-29	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-22	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-03-15	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-08	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-01	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-22	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-14	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-08	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-01	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-25	Feet below surface:	21.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-18	Feet below surface:	21.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-11	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-28	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-21	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-14	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-07	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-04	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-23	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-16	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-09	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-02	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-26	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-19	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-10-12	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-05	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-28	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-21	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-14	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-07	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-31	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-24	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-17	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-10	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-03	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-27	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-20	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-06	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-22	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-17	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-08	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-01	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-18	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-04	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-05-01	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-20	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-13	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-06	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-30	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-23	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-16	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-10	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-02	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-09	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-02	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-26	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-19	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-12	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-05	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-29	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-22	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-15	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-08	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-01	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-17	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-11-10	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-03	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-27	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-20	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-13	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-06	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-29	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-22	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-15	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-08	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-01	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-25	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-18	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-11	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-04	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-28	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-21	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-14	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-07	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-30	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-23	Feet below surface:	29.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-06-16	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-09	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-02	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-26	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-19	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-12	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-05	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-28	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-21	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-14	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-07	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-31	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-24	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-17	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-10	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-03	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-24	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-17	Feet below surface:	17.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-10	Feet below surface:	18.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-03	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-27	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-01-20	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-13	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-06	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-30	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-23	Feet below surface:	26.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-16	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-09	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-02	Feet below surface:	27.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-18	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-11	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-04	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-28	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-14	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-07	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-30	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-16	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-09	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-02	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-08-26	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-19	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-12	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-05	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-29	Feet below surface:	39.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-22	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-15	Feet below surface:	37.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-08	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-01	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-24	Feet below surface:	35.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-17	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-10	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-03	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-27	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-13	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-06	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-29	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-22	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-15	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-08	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-04-01	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-18	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-11	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-04	Feet below surface:	21.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-26	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-19	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-12	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-05	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-29	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-22	Feet below surface:	22.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-15	Feet below surface:	23.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-06	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-30	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-23	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-16	Feet below surface:	31.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-09	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-02	Feet below surface:	33.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	34.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-18	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-11	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-09-04	Feet below surface:	30.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-21	Feet below surface:	32.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-03	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-22	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-01	Feet below surface:	20.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-27	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-20	Feet below surface:	24.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-13	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-06	Feet below surface:	25.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-16	Feet below surface:	28.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-14	Feet below surface:	36.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-07	Feet below surface:	38.0
Feet to sea level:	Not Reported	Note:	Not Reported

8
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000179287**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012S002E08K003M	Type:	Well
Description:	Not Reported	HUC:	18060002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Alluvium of the Coast Range, Younger (Pleistocene-Holocene)		
Aquifer Type:	Not Reported	Construction Date:	196411
Well Depth:	154	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	8	Level reading date:	1980-11-10
Feet below surface:	28.49	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1980-08-08	Feet below surface:	36.77
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-04-14	Feet below surface:	22.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-13	Feet below surface:	30.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-14	Feet below surface:	35.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-12	Feet below surface:	27.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-17	Feet below surface:	32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-11	Feet below surface:	34.6
Feet to sea level:	Not Reported	Note:	Not Reported

9
East
1/2 - 1 Mile
Higher

CA WELLS 10959

Seq:	10959	Prim sta c:	12S/02E-09C02 M
Frds no:	4410011009	County:	44
District:	05	User id:	HEN
System no:	4410011	Water type:	G
Source nam:	WELL 10	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	365500.0	Longitude:	1214500.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4410011	System nam:	City of Watsonville
Hqname:	Not Reported	Address:	P.O. BOX 5000
City:	WATSONVILLE	State:	CA
Zip:	95077	Zip ext:	Not Reported
Pop serv:	47000	Connection:	12018
Area serve:	WATSONVILLE VIC		
Sample date:	14-MAR-18	Finding:	5.8
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	15-MAR-17	Finding:	19.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.7
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	460.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	15-MAR-17	Finding:	0.17
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	15-MAR-17	Finding:	58.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	15-MAR-17	Finding:	34.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	2.9
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	44.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	38.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	88.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	380.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	3.8
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	370.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	310.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	780.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	2.14
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	6.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	15-MAR-17	Finding:	2.14
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	15-MAR-17	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAR-17	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-JUL-16	Finding:	2.64
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAR-14	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	9.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-MAR-14	Finding:	1.4
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	460.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	0.16
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	57.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-MAR-14	Finding:	33.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	39.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	34.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	76.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	330.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	2.3
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	19-MAR-14	Finding:	280.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	790.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	0.121
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-MAR-14	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	2200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAR-14	Finding:	1.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-MAR-14	Finding:	2.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	28-AUG-13	Finding:	6.1
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95076	226	1

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 SANTA CRUZ COUNTY, CA

Number of sites tested: 9

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.100 pCi/L	89%	11%	0%
Living Area - 2nd Floor	1.900 pCi/L	100%	0%	0%
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.

STATE RECORDS

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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 C

Historical Aerial Photographs

Watsonville Phase I

999, 1017, 1035, 1039, and 1075 Main Street

Watsonville, CA 95076

Inquiry Number: 5424064.8

September 14, 2018

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

09/14/18

Site Name:

Watsonville Phase I
999, 1017, 1035, 1039, and 10
Watsonville, CA 95076
EDR Inquiry # 5424064.8

Client Name:

Roux Associates Inc
555 12th Street Suite 250
Oakland, CA 94607
Contact: Josh Fox

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
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1993	1"=500'	Acquisition Date: June 12, 1993	USGS/DOQQ
1987	1"=500'	Flight Date: June 22, 1987	USGS
1981	1"=500'	Flight Date: September 22, 1981	USDA
1974	1"=500'	Flight Date: October 14, 1974	USGS
1971	1"=500'	Flight Date: May 14, 1971	USDA
1968	1"=500'	Flight Date: June 14, 1968	USGS
1956	1"=500'	Flight Date: May 14, 1956	USDA
1949	1"=500'	Flight Date: August 17, 1949	USDA
1937	1"=500'	Flight Date: November 08, 1937	USDA

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INQUIRY #: 5424064.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5424064.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 5424064.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5424064.8
YEAR: 2006
= 500'
N
EDR



INQUIRY #: 5424064.8

YEAR: 1993

= 500'

N

EDR


INQUIRY #: 5424064.8
YEAR: 1987
= 500'
N
EDR


INQUIRY #: 5424064.8
YEAR: 1981
= 500'
N
EDR


INQUIRY #: 5424064.8
YEAR: 1974
= 500'
N
EDR



INQUIRY #: 5424064.8

YEAR: 1971

= 500'

N

EDR


INQUIRY #: 5424064.8
YEAR: 1968
= 500'
N
EDR



INQUIRY #: 5424064.8

YEAR: 1956

= 500'

N

EDR


INQUIRY #: 5424064.8
YEAR: 1949
= 500'
N
EDR



INQUIRY #: 5424064.8

YEAR: 1937

= 500'

N

EDR

APPENDIX D

Certified Sanborn Fire Insurance Maps

Watsonville Phase I

999, 1017, 1035, 1039, and 1075 Main Street

Watsonville, CA 95076

Inquiry Number: 5424064.3

September 17, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/17/18

Site Name:

Watsonville Phase I
999, 1017, 1035, 1039, and 10
Watsonville, CA 95076
EDR Inquiry # 5424064.3

Client Name:

Roux Associates Inc
555 12th Street Suite 250
Oakland, CA 94607
Contact: Josh Fox

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Roux Associates Inc 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 # DCA7-4416-AEA6

PO # NA

Project Watsonville Phase I

Maps Provided:

1962
1960

Sanborn® Library search results

Certification #: DCA7-4416-AEA6

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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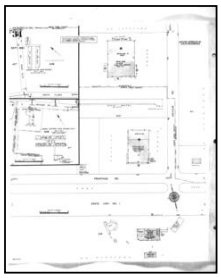
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Sanborn Sheet Key

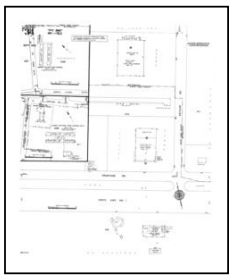
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1962 Source Sheets

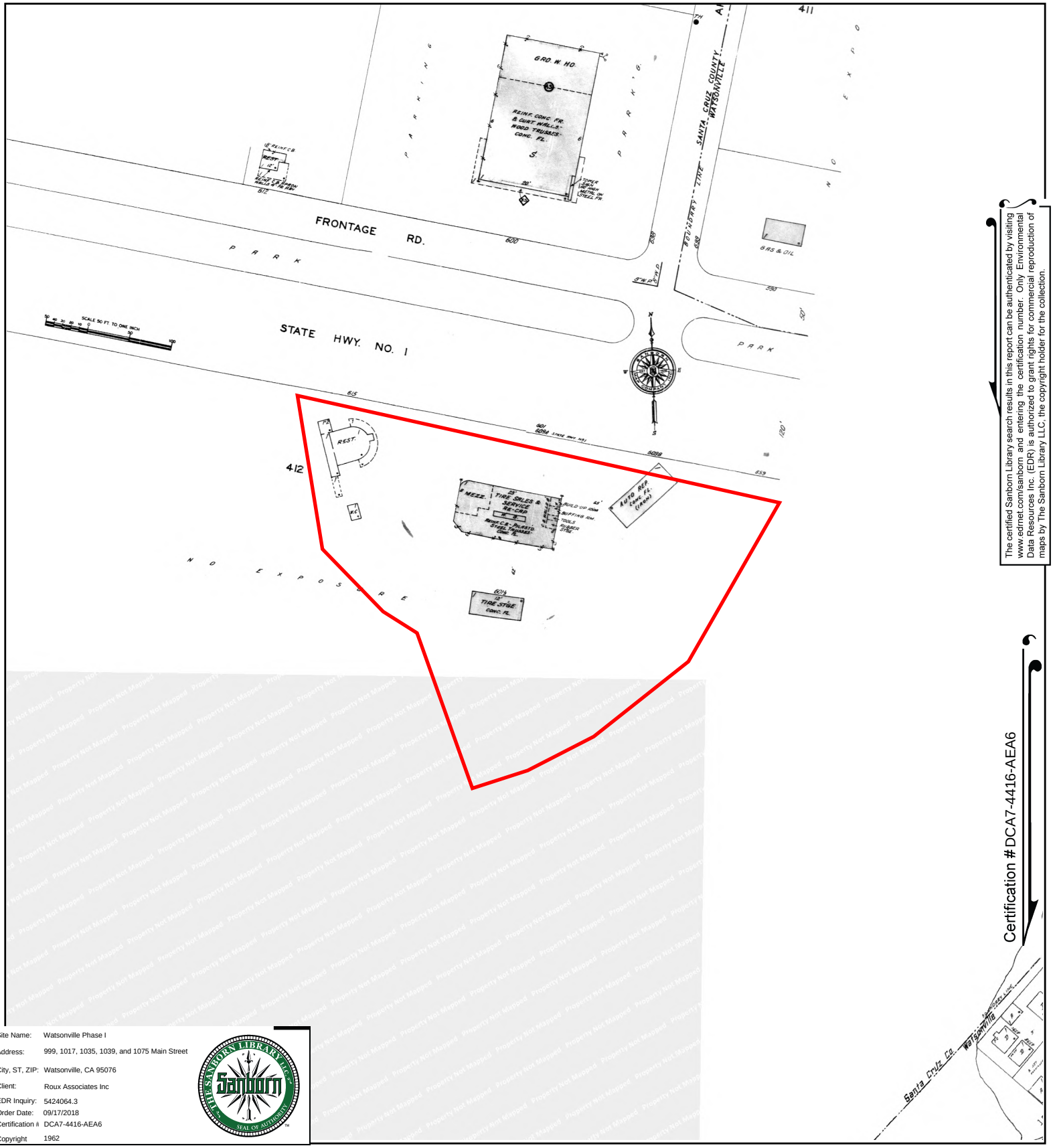


Volume 1, Sheet 34
1962

1960 Source Sheets



Volume 1, Sheet 34
1960

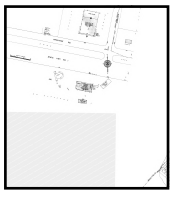


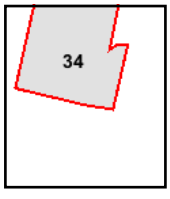
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Certification #DCA7-4416-AEA6

Site Name:	Watsonville Phase I
Address:	999, 1017, 1035, 1039, and 1075 Main Street
City, ST, ZIP:	Watsonville, CA 95076
Client:	Roux Associates Inc
EDR Inquiry:	5424064.3
Order Date:	09/17/2018
Certification #:	DCA7-4416-AEA6
Copyright	1962

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

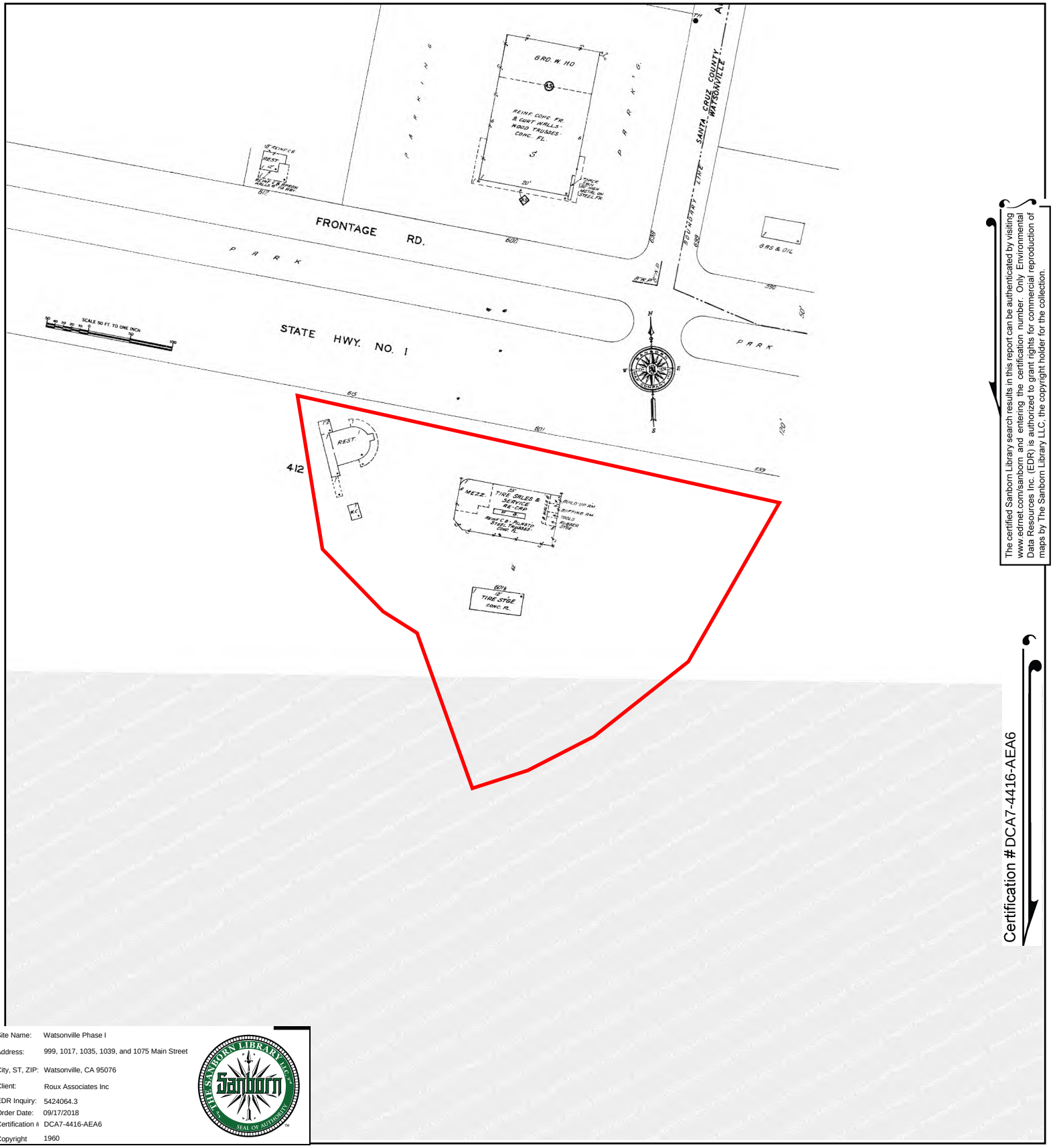




Volume 1, Sheet 34

0 Feet 150 300 600

N

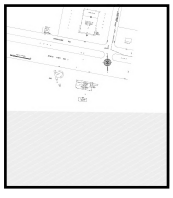


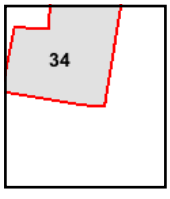
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Certification #DCA7-4416-AEA6

Site Name:	Watsonville Phase I
Address:	999, 1017, 1035, 1039, and 1075 Main Street
City, ST, ZIP:	Watsonville, CA 95076
Client:	Roux Associates Inc
EDR Inquiry:	5424064.3
Order Date:	09/17/2018
Certification #:	DCA7-4416-AEA6
Copyright	1960

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 34

0 Feet 150 300 600

N

APPENDIX E

City Directory Abstract

Watsonville Phase I
999, 1017, 1035, 1039, and 1075 Main Street
Watsonville, CA 95076

Inquiry Number: 5424064.5
September 19, 2018

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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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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Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	POLK DIRECTORY CO
	☑	☐	Polk's City Directory
1964	☑	☐	POLK DIRECTORY CO
	☑	☐	Polk's City Directory
1960	☑	☐	POLK DIRECTORY CO
	☑	☐	Polk's City Directory

EXECUTIVE SUMMARY

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

999, 1017, 1035, 1039, and 1075 Main Street
Watsonville, CA 95076

Year	*CD Image*	*Source*
MAIN ST		
2014	pg A2	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
1990	pg A12	Haines Criss-Cross Directory
1985	pg A13	Haines Criss-Cross Directory
1980	pg A14	Haines Criss-Cross Directory
1980	pg A15	Haines Criss-Cross Directory
1975	pg A16	Haines Criss-Cross Directory
1971	pg A17	POLK DIRECTORY CO
1971	pg A18	POLK DIRECTORY CO
1964	pg A19	POLK DIRECTORY CO
1964	pg A20	POLK DIRECTORY CO
1964	pg A21	POLK DIRECTORY CO
1960	pg A22	POLK DIRECTORY CO
1960	pg A23	POLK DIRECTORY CO
1960	pg A24	POLK DIRECTORY CO

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
AUTO CENTER DR			
2014	pg. A1	EDR Digital Archive	
2010	pg. A3	EDR Digital Archive	
2005	pg. A6	EDR Digital Archive	
2000	pg. A8	EDR Digital Archive	
1995	pg. A10	EDR Digital Archive	
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source
1960	-	Polk's City Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AUTO CENTER DR 2014

445	JR AUTO SALES
490	72 HOUR LLC
	CHEVROLET OF WATSONVILLE
	NATIONAL AUTO FLEET GROUP
499	MAC AUTO REPAIR
	PENSKE TRUCK LEASING CO LP
	ROMOS AUTO GROUP
500	AUTO CENTER COLLISION
	PORTOLA CAD OLDS PONT BUICK
	PORTOLA MOTORS
520	TORRES, SERGIO
525	CF WATSONVILLE LLC
	CF WATSONVILLE WEST LLC
	NORMAN MANAGEMENT CORPORATION
535	CF WATSONVILLE EAST LLC
550	MARTY FRANICH FRD LINCLN MRCRY
	PARTS DEPARTMENT ONLY
555	FRANICH MARTY LEASING CO
	MARTY FRANICH CHRYSLER
557	WATSONVILLE ASSN OF REALTORS
561	A C M E
	CARROLL CONSTRUCTION
	HENDERSON STEVEN CPA
	INTERNATIONAL FELLWSHP OF FLYN
563	ALLIANCE FOR FOOD AND FARMING
	COMMUNICATIONS DEPARTMENT INC
	HACIENDA INCOME TAX BKEEPING S
	LTD AG ENTERPRISES INC
	SOLEDAD, YERENA
	STEWART TITLE CALIFORNIA INC
	TANNER DEVELOPMENT CO LP
567	567 AUTO CENTER DRIVE LLC
	CENTRAL COAST WATER
	CENTRAL COAST WATER QUALITY PR
	FREEDOM AUTO SALES LLC
575	MC SHERRY & HUDSON
	MCSHERRY HUDSON & HALL
584	ECONOMY INN
585	RAMCO EMPLOYMENT SERVICES
589	GARBINI GUILIO JR
	RED APPLE CAFE
595	SANTA CRUZ COUNTY BANK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2014

946	COWBOYS CORNER CAFE
970	WATSONVILLE INN
986	LOPEZ, MARIA
999	ECLIPSE WINDOW TINT
	J V TOWING
	MARQUEZ JOSE P
	RODRIGUEZ, CASTULO
1000	GROCERY OUTLET INC
	WATSONVILLE NEWSPAPER
1010	DOLLAR TREE
1035	STREET SCENE ON/OFF RD PERF
1039	MI RANCHITO SUPERMERCADO INC
1075	HERNANDEZ CARLOS
	MARGARITAS GRILL
	TAQUERIA MUNDIAL
1100	ROCK SOLID ENGINEERING INC
1110	CHAVEZ FAMILY ENTERPRISES INC
	GRUPO NUEVO AMANECER
	K P I G HOG CALLS
	LAURA HOPPER
	MAPLETON COMMUNICATIONS
	NEW WAVE BRDCSTNG INC
	SAN ANDREAS REGIONAL CENTER
	SULLIVAN VOCATIONAL SERVICES
1116	GOLDEN PEACH RESTAURANT
1150	ALCOHOLICS ANONYMOUS
	DNA BILLING SVC
	ENTERPRISE HOLDINGS INC
	PLACITA MEDICAL CLINIC
	ULTRA PRIVATE SECURITY
	VIPER PROTECTIVE SERVICES
1180	ULTRAMAR INC
	VALERO CORNER STORE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AUTO CENTER DR 2010

445	JR AUTO SALES
490	72 HOUR LLC
	CHEVROLET OF WATSONVILLE
499	PENSKE TRUCK LEASING CO LP
	ROMOS AUTO GROUP
	SOLEDAD AUTO GROUP
500	AUTO CENTER COLLISION
	PORTOLA CAD OLDS PONT BUICK
	PORTOLA MOTORS
520	TORRES, SERGIO
525	CF WATSONVILLE WEST LLC
535	CF WATSONVILLE EAST LLC
	HCM WTSNVL CVLSTHSP EST
	MAJSAK, ANN E
	SUNBRIDGE CARE CENTER EAST
550	MARTY FRANICH FRD LINCLN MRCRY
	PARTS DEPARTMENT ONLY
	STORY ENTERTAINMENT
555	FRANICH MARTY CHRYSLER DODGE
	FRANICH MARTY LEASING CO
557	WATSONVILLE ASSN OF REALTORS
561	A C M E
	BEACH BARONS INC
	CARROLL CONSTRUCTION
	HENDERSON STEVEN CPA
	PACIFIC AGRICULTURAL PACKAGING
	WATSONVILLE ROTARY ENDOWMENT
563	ALLIANCE FOR FOOD AND FARMING
	COMMUNICATIONS DEPARTMENT INC
	DRISCOLL CHIROPRACTIC
	HIGHLAND CENTRAL COAST LLC
	J N C PROMOTIONAL PRODUCTS
	JOHNSON, SCOTT L
	MONTEREY BAY CUSTOM EMBROIDERY
	MOUNTAIN COAST MORTGAGE
	SANTA CRUZ UNDERGROUND & PAV
	SILVA AUTO TRANSPORT
567	1819 CHIBCHA STREET LLC
	330 FLUME ROAD LLC
	567 AUTO CENTER DRIVE LLC
	CABO SAN LUCAS PROPERTIES
	CABOVILLASCOM
	CENTRAL COAST WATER QUALITY PR
	SANTA CRZ CNTY PRNTS ASSCTN
575	MC SHERRY & HUDSON
	MCSHERRY HUDSON & HALL
579	HUTCHINSON & BLOODGOOD LLP
580	SPLIT HAPPENS LLC
	UP YOUR ALLEY PRO SHOP
584	ECONOMY INN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AUTO CENTER DR 2010 (Cont'd)

584 KK STAR CORPORATION
585 LOR ENTERPRISES INC
MAXCO SUPPLY COMPANY
RAMCO EMPLOYMENT SERVICES
589 GARBINI GUILIO JR
RED APPLE CAFE
595 GOLDEN STATE INSURANCE
SANTA CRUZ COUNTY BANK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2010

970	ASHKESA CORPORATION
	PARIKH, SARIN
	WATSONVILLE INN
972	BISTRO
999	ECLIPSE WINDOW TINT
	J V TOWING
	MARQUEZ JOSE P
	RODRIGUEZ, CASTULO
1000	GROCERY OUTLET INC
	WATSONVILLE NEWSPAPER
1010	TOYOTA SANTA CRUZ-WATSONVILLE
1035	STREET SCENE
	STREET SCENE ON/OFF RD PERF
1039	MIRANCHITO SUPERMERCADO
1075	HERNANDEZ CARLOS
	MARGARITAS GRILL
	TAQUERIA MUNDIAL
1100	ROCK SOLID ENGINEERING INC
	S P O T INC
1110	COWBOY CULTURAL SOCIETY
	DEVELOPMENT AND EXCHANGE
	GRUPO NUEVO AMANECER
	K P I G HOG CALLS
	LAURA HOPPER
	MAPLETON COMMUNICATIONS
	NEW WAVE BRDCSTNG INC
	SAN ANDREAS REGIONAL CENTER
	SULLIVAN VOCATIONAL SERVICES
	YBC ENTERPRISE
1116	GOLDEN PEACH RESTAURANT
1150	AAROW ANSWERING SERVICE
	ALCOHOLIC ANONYMOUS WORLD SVCS
	CHAVEZ FAMILY ENTERPRISES INC
	DNA BILLING SVC
	ENTERPRISE HOLDINGS INC
	PAJARO VALLEY MEDICAL ASSOC
	PLACITA MEDICAL CLINIC
	PONCE PHD FRANCISCO Q
	PONCE, FRANCISCO
	VIPER PROTECTIVE SERVICES
1180	ULTRAMAR INC
	VALERO CORNER STORE
1212	LAS ISLITAS MARISCOS INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

AUTO CENTER DR 2005

445	JR AUTO SALES
490	GUARANTEE CHEVROLET INC
500	AUTO CENTER COLLISION
	PORTOLA CAD-OLDS-PONT
505	THREE HERMANOS
525	MORENO ALMA
	REGENCY HEALTH SERVICES
550	FRANICH MARTY FORD LINCOLN ME
555	FRANICH MARTY LEASING CO
557	WATSONVILLE ASSN OF REALTORS
561	CARROLL CONSTRUCTION
	HENDERSON STEVEN CPA
563	ALLEN, CHARLES B
	DRISCOLL CHIROPRACTIC
	HERITAGE DEVELOPMENT CORP
	JOHNSON, SCOTT L
	PETERSEN MAURA B
	SUMMERS JOHN
567	EARTH SEA & SKY TOURS
	UNION BANK CALIFORNIA NA
575	MC SHERRY & HUDSON
	MCSHERRY HUDSON & HALL
580	NWF ACQUISITION CORP
	STEPHS COFFEE SHOP
	TOSELLO ENTERPRISES INC
	UP YOUR ALLEY PRO SHOP
585	CONSOLIDATED PROCESSORS CAL
589	GARBINI GUILIO JR
595	AMERICAN AGCREDIT
	SANTA CRUZ COUNTY BANK
	US AGBANK FCB

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2005

946	RED APPLE CAFE
970	PANCHAL AND SMITHERUM MGT LLC
	WATSONVILLE INN
972	ECONO LODGE
	LORENES PACKING SHED
975	CARRILLO TIRES
999	ECLIPSE WINDOW TINT
	J V TOWING
	LUBE 4 LESS
	MARQUEZ JOSE P
	RAFAEL & SON AUTO SERVICE
	RYDER TRUCK 3186950761
1000	ROCHELLE NEWSPAPERS INC
	WATSONVILLE NEWSPAPER
1010	TOYOTA SANTA CRUZ-WATSONVILLE
1039	MI RANCHO CARNICERIA
	MIRANCHITO SUPERMERCADO
1058	STARBUCKS CORPORATION
1075	MARGARITAS GRILL
1100	J C ENTERPRISES
	S P O T INC
1110	COWBOY CULTURAL SOCIETY
	DAVEY TREE SURGERY COMPANY
	GRUPO NUEVO AMANECER
	K P I G HOG CALLS
	LAURA HOPPER
	MAPLETON COMMUNICATIONS
	NEW WAVE BRDCSTNG INC
	SAN ANDREAS REGIONAL CENTER
1116	GOLDEN PEACH RESTAURANT
	TWINS AQUARIUM
1150	AAROW ANSWERING SERVICE
	ALCOHOLIC ANONYMOUS WORLD SVCS
	B & H BEAUTY AND HEALTH NATURA
	CHAVEZ FAMILY ENTERPRISES INC
	DNA BILLING SERVICE
	ENTERPRISE RENT-A-CAR COMPANY
	FRANCISCO Q PONCE PHD
	PLACITA MEDICAL CLINIC
	PONCE, FRANCISCO
1160	MERITAGE REAL ESTATE DEVE
1180	ULTRAMAR INC
1212	LAS ISLITAS MARISCOS INC

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-	✓	EDR Digital Archive

AUTO CENTER DR 2000

445 JR AUTO SALES
490 GUARANTEE CHEVROLET INC
KOLKO, PAMELA
500 AUTO CENTER COLLISION
525 SUN HEALTHCARE GROUP INC
SUNBRIDGE HEALTHCARE CORP
535 SUN HEALTHCARE GROUP INC
550 FRANICH MRTY FORD LNCLN-MRCRY
555 FRANICH MARTY CHRYSLER
FRANICH MARTY LEASING CO
FRANICH MARTY LINCOLN-MERCURY
557 WATSONVILLE BOARD OF REALTORS
561 CARROLL CONSTRUCTION
HENDERSON STEVEN CPA
563 HERITAGE DEVELOPMENT CORP
LANDMARK REAL ESTATE CO INC
PETERSEN MAURA B
STAFFORDWARE INC
STERLING PACIFIC MORTGAGE
567 MONTEREY BAY BANCORP INC
MONTEREY BAY BANK
575 MC SHERRY & HUDSON
MCSHERRY HUDSON & HALL
OCCUPANT UNKNOWN,
580 AMF CORPORATION
584 ECONOMY INN
PATEL, SUBHASH
585 CONSOLDATED PROCESSORS OF CAL
NEW WEST FOODS INC
589 GARBINI GUILIO JR
595 AMERICAN AGCREDIT
GOLDEN STATE COML & AG INSUR

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MAIN ST 2000

946	RED APPLE CAFE
970	WATSONVILLE INN
972	LORENES PACKING SHED
975	MARQUEZ BROS PINATAS
999	AUTO & TRUCK DEPOT PARK
	CARRILLO TIRES
	ECLIPSE WINDOW TINT
	RYDER TRUCK 3186950761
	WATSONVILLE GUNG FU CLUB
1010	S&S AUTO SALES
1035	BILLS AUTO ACCESSORIES
	BRAY BILL
1075	MARGARITAS GRILL
1100	BLACK TGR GNG FU & KCK BXNG
1110	ARBOR INC
	GRAND CENTRAL COMPUTERS
	GRUPO NUEVO AMANECER
	K P I G HOG CALLS
	LAST DETAIL MBL AUTO DETAILING
	SAN ANDREAS REGIONAL CENTER
1116	GOLDEN PEACH INC
1138	COASTAL ENTERPRISES
1150	AAROW ANSWERING SERVICE
	CBA FOODS INC
	CHAVEZ FAMILY ENTERPRISES INC
	DEL SOL HEALTH & FITNES STUDIO
	DNA BILLING SERVICE
	ENTERPRISE RENT-A-CAR COMPANY
	PLACITA MEDICAL CLINIC
	PLAZITA MEDICAL CLINIC
1180	ULTRAMAR INC

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AUTO CENTER DR 1995

425 CARE ENTERPRISES INC
440 ALIANZA ELEMENTARY SCHOOL
MIGRANT EDUCATION REGION 11
490 GUARANTEE CHEVROLET INC
500 PORTOLA MOTORS INC
555 FRANICH MARTY CHRYSLER
FRANICH MARTY LEASING CO
FRANICH MARTY LINCOLN-MERCURY
557 WATSONVILLE BOARD OF REALTORS
561 CARROLL CONSTRUCTION
HENDERSON STEVEN CPA
HERITAGE DEVELOPMENT CORP
LANDMARK REAL ESTATE CO INC
SEQUOIA CONSTRUCTION INC
563 GOLDEN STATE COML AG INSUR INC
575 MC SHERRY & HUDSON
580 TOSELLO ENTERPRISES INC
585 CONSOLDATED PROCESSORS OF CAL
NEW WEST FOODS
589 GARBINI GUILIO JR
595 PACIFIC COAST FARM CREDIT

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MAIN ST 1995

972	LORENES PACKING SHED
	WATSONVILLE ECONO LODGE
1000	NEWS MEDIA CORPORATION
1035	CONEXION MUSICAL
	FLAMINGOS CLUB
1059	GOLDEN PACIFIC MONARCH HOUSE
1075	DISCOUNTS PLUS TWO
1100	ALL WESTERN HOMES
1110	ELETTRA BROADCASTING INC
	GOLDSMITH BROADCAST SERVICES
	GRAND CENTRAL COMPUTERS
	RADIO RANCH INC
	REDWOOD DENTAL ARTS
	SAN ANDREAS REGIONAL CENTER
	SULLIVAN VOCATIONAL SERVICES
1116	GOLDEN PEACH
	MING HUI RESTAURANT
1138	COASTAL ENTERPRISES
1150	AAROW ANSWERING SERVICE
	CBA FOODS INC
	DEL SOL HEALTH & FITNES STUDIO
	DEWEY MICHAEL P
	HONORIO TRUCKING
	PLAZITA MEDICAL CLINIC
	TRUCK DRIVER INSTITUTE
1180	ULTRAMAR INC
1212	AMERICAN TAE KWON DO
1214	LEONS AUDIO VIDEO SERVICE

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MAIN ST 1990

646	★B C AUTOMTV RPR SRV	722-0375	7
652	★SUPER BURRITO	761-8350	9
655	★PAJARO VALLEY BANK	633-2928	5
656	SISTER Superior	724-7696	
	★ST PATRICKS CH ED	724-2141	6
721	MILLER Michael	728-7041	+0
	★ST PATRICKS CH	724-1317	6
928	XXXX	00	
946	★EDO THE	724-2336	
972	★LORENES PACKING SHD	722-2566	4
	★WATSONVL 8 MOTEL	724-8881	5
975	★CHAZ AUTO SERVICE	722-5220	+0
999	★GREYHOUND BUS LINES	722-4457	6
	★U HAUL CO	761-1708	9
1000	★REGISTER PAJARONIAN	724-0611	
	★REGISTER PAJARONIAN	724-2499	9
	★WATSONVL REGISTR	724-0611	
1010	★AVALOS J USED CARS	722-1692	8
1035	★CARPET BANK	728-7070	8
	★KOE C O FEED&PET	722-8805	+0
1075	★VALLARTA RSTRNT	761-2296	+0
1100	★SAN ANDREAS DSBLTY	728-1781	4
	★SAN ANDREAS RGNL CT	688-7633	7
1110	★BARRETT CHUCK ASCTS	722-3866	+0
	★C F COMPANY	728-1787	+0
	★CHUCK BARRETT ASCTS	722-3866	+0
	★IMPERL SALES	728-1787	+0
	★K P I G RADIO	722-2299	9
	★K P I G RADIO	722-9000	9
	★PRICE DENTAL LAB	728-3013	8
	★SAFEWAY PRDC BYG DP	724-5677	
1114	XXXX	00	
1116	★MING HUI RESTAURANT	724-6516	7
1138	XXXX	00	
1150	BUILDING		
	★CA ST REHAB BR OFC	722-4188	4
	★FARGO TRANSPORT INC	761-1988	+0
	★PARENTS CT OF WAT	724-2879	4
	★S CRZ CO ADLT PRTCT	761-4027	9
	★S CRZ CO CHLD PRTCT	761-4020	
	★S CRZ CO EMP TRAING	761-4018	
	★S CRZ CO EMP TRAING	761-4069	
	★S CRZ CO GAIN	761-4069	9
	★S CRZ CO HMN GAIN	761-4069	
	★S CRZ CO HMN JTPA	761-4018	8
	★S CRZ CO HMN PRTCTV	761-4027	
	★S CRZ CO HMN PRTCTV	761-4020	
	★S CRZ CO HMN YOUTH	761-4017	8
	★S CRZ CO YOUTH EMP	761-4017	
	★SABLE CARRIERS	761-8876	9
	★SABLE CARRIERS	761-0192	+0
	★SILVER EAGLE EXPRSS	728-8633	+0
	★SUN STATE	761-0695	+0
1150			
1180	★JET GAS	722-5249	+0
1194	XXXX	00	

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MAIN ST 1985

640	A A M C O TRANSMSNS	722-8133	3
	AAMCO TRANSMISSIONS	722-8133	
	WATSONVL AUTO DETL	724-3968	2
646	LA RUE AUTO REPAIR	722-3970	+5
652	FOSTERS FREEZE	724-3647	
655	PAJARO VALLEY BANK	633-2928	+5
	PAJARO VLY BANK NA	728-2265	4
656	SISTER SUPERIOR	724-7696	
721	XXXX	00	
928	XXXX	00	
946	EDO THE	724-2336	9
972	LORENES	722-2566	4
	WATSONVILLE 8 MOTEL	724-8881	+5
999	FAMILY FUN CENTER	724-5284	4
1000	REGISTER PAJARONIAN	724-0611	
	WATSONVL REGISTR	724-0611	
1010	EL AMIGO USED CARS	722-1692	1
1035	EMERGENCY FOOD BANK	722-7118	3
	SALUD PARA LA GENTE	728-0222	3
1075	ELMOLINO RESTAURANT	722-8976	4
1100	C F COMPANY	728-1787	0
	ECKHARDT LAND SLS	728-4900	8
	IMPERIAL SALES	728-1787	0
	RANGER NATIONWIDE	722-0888	+5
	SANANDREAS DISABLED	728-1781	4
	TAYLOR MADE OFFICE	722-2408	+5
1110	CHAPMAN CHRPRCTC	728-1866	
	CHAPMAN DOUGLAS DC	728-1866	
	GRAND CENTRAL SOFTW	722-9278	+5
	NUNO BERRY FARMS	728-1718	3
	SAFEWAY PRDC BYG DP	724-5677	0
	WESTERN FARM DV OFC	633-2839	3
	WESTERN FARM SERV	728-1491	2
1114	PURITAN OIL COMPANY	724-0367	
1116	TERIS SEAFOOD	724-6059	+5
1138	XXXX	00	
1150	CA ST REHAB BR OFC	722-4188	4
	PARENTS CT OF WAT	724-2879	4
	S CRZ CO CHLD SOCL	724-0623	4
	S CRZ CO EMP TRAING	728-2086	+5
	S CRZ CO HMN EMP	728-2086	+5
	S CRZ CO HMN SV CTS	728-2086	+5
1180	FAST GAS SERVICE	724-9959	
1194D	LINDE HOMECARE MEDI	724-5010	+5

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MAIN ST 1980



634	SPEEGLE G C	724-6487	
637	XXXX	00	
640★	HANSEN AUTO SALES	722-2468	6
★	HANSEN PONTIAC	722-2468	
★	HANSEN ROBT C	722-2468	+0
★	NATL CAR RENTAL SYS	722-2468	
652★	FOSTERS FASHN FREEZ	724-3647	4
656	SISTER SUPERIOR	724-7696	
★	ST PATRICKS RLG EDC	724-2141	+0
721★	ST PATRICKS CHURCH	724-1315	+0
946★	EDO THE	724-2336	9
972	AMATO AUGUST	722-6496	+0
★	LEPRECHAUNS CATERER	724-1323	8

Target Street	Cross Street	Source
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MAIN ST 1980

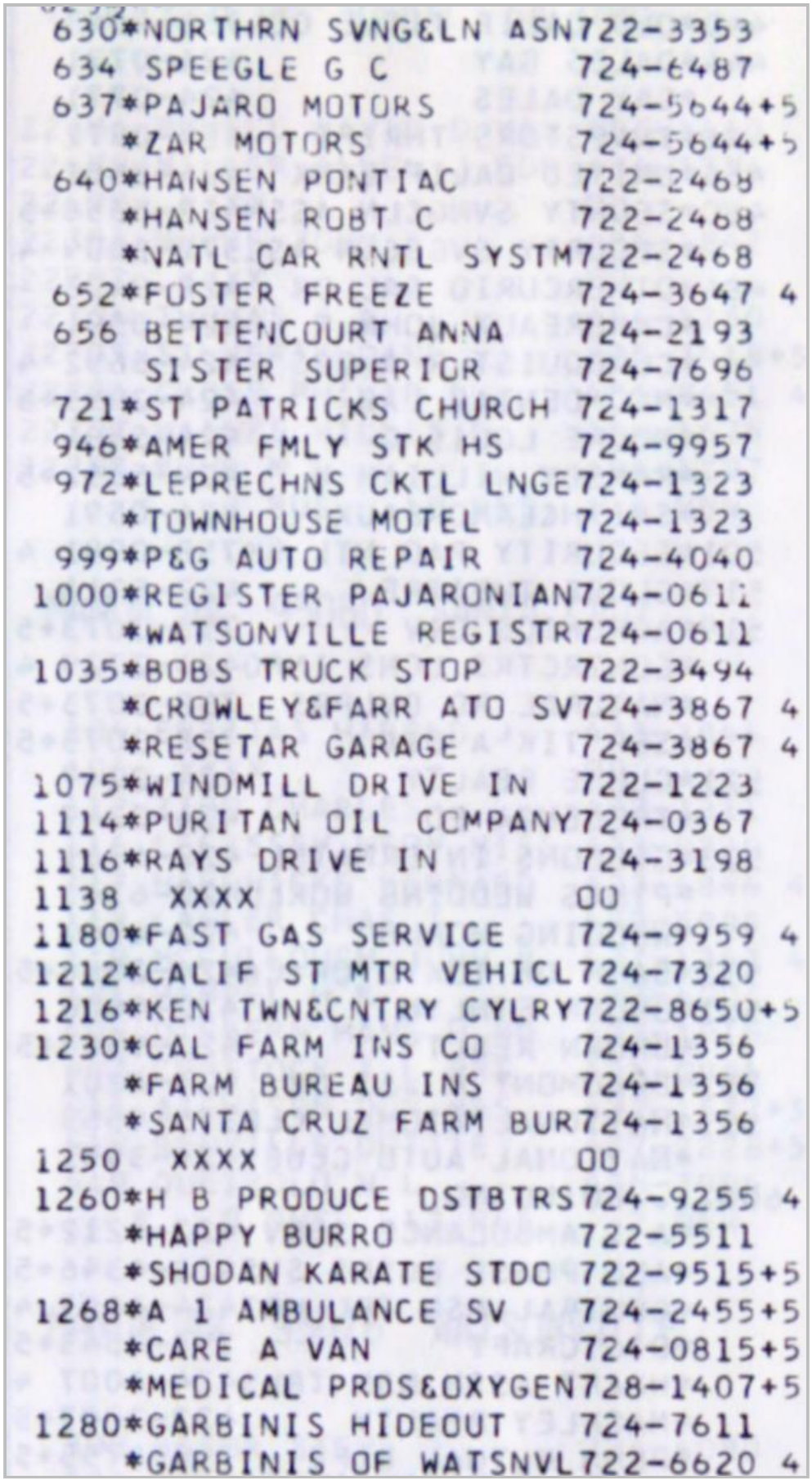


..MAIN 95076 CONT..

	★	LEPRECHNS CKTL LNGE	724-1323	
	★	TOWNHOUSE MOTEL	724-1323	9
999	★	AUTOMATIC TRANS CLN	724-0118	+0
	★	WATSONVILLE TRNSMN	724-0118	8
1000	★	LATHROP G SPRTSWRTR	688-2114	+0
	★	REGISTER PAJARONIAN	724-0611	
	★	WATSONVL REGISTR	724-0611	
1010	★	RONALD JACK W CARS	728-3500	+0
1035	★	WEIGANDT CHRY DODGE	728-2275	+0
1075	★	HACIENDA MXCN&AM FD	722-1223	6
1100	★	C F COMPANY	728-1787	+0
	★	ECKHARDT LAND SLS	728-4900	8
		GARDNER EARL A	663-3727	+0
	★	GARDNERS PIANO&ORGN	722-3475	9
	★	IMPERIAL SALES	728-1787	+0
	A	GARDNER MARIE	722-9855	+0
	C★	ALL WESTERN HOMES	728-3949	9
	C	FERRISS ALFRED W-MD	728-3628	8
1110	★	BLAND OBARA&THOMPS	722-3571	+0
	★	FISCHER CONSTRUCTN	688-8522	+0
	★	GILLILAN W M	728-1866	+0
	★	MCR PRESS	722-8386	+0
	★	RIO DEL MAR ARCHTCT	688-2615	+0
	★	SAFEWAY PRDC BYG DP	724-5677	+0
	★	SMITH DEANE&ASSOCS	722-3832	+0
	★	ULERY KIRKPATRICK	722-9433	+0
1114	★	PURITAN OIL COMPANY	724-0367	
1116	★	BIG ALS CNTRY KTCHN	724-6059	8
1138		XXXX	00	
1180	★	FAST GAS SERVICE	724-9959	4

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MAIN ST 1975



```
 630*NORTHRN SVNG&LN ASN722-3353
 634 SPEEGLE G C      724-6487
 637*PAJARO MOTORS    724-5644+5
    *ZAR MOTORS       724-5644+5
 640*HANSEN PONTIAC   722-2468
    *HANSEN ROBT C    722-2468
    *NATL CAR RNTL SYSTM722-2468
 652*FOSTER FREEZE    724-3647 4
 656 BETTENCOURT ANNA 724-2193
     SISTER SUPERIOR  724-7696
 721*ST PATRICKS CHURCH 724-1317
 946*AMER FMLY STK HS 724-9957
 972*LEPRECHNS CKTL LNGE724-1323
    *TOWNHOUSE MOTEL  724-1323
 999*P&G AUTO REPAIR  724-4040
1000*REGISTER PAJARONIAN724-0611
    *WATSONVILLE REGISTR724-0611
1035*BOBS TRUCK STOP  722-3494
    *CROWLEY&FARR ATO SV724-3867 4
    *RESETAR GARAGE   724-3867 4
1075*WINDMILL DRIVE IN 722-1223
1114*PURITAN OIL COMPANY724-0367
1116*RAYS DRIVE IN    724-3198
1138  XXXX            OO
1180*FAST GAS SERVICE 724-9959 4
1212*CALIF ST MTR VEHICL724-7320
1216*KEN TWN&CNTRY CYLRY722-8650+5
1230*CAL FARM INS CO  724-1356
    *FARM BUREAU INS  724-1356
    *SANTA CRUZ FARM BUR724-1356
1250  XXXX            OO
1260*H B PRODUCE DSTBTRS724-9255 4
    *HAPPY BURRO      722-5511
    *SHODAN KARATE STDO 722-9515+5
1268*A 1 AMBULANCE SV 724-2455+5
    *CARE A VAN       724-0815+5
    *MEDICAL PRDS&OXYGEN728-1407+5
1280*GARBINIS HIDEOUT 724-7611
    *GARBINIS OF WATSNVL722-6620 4
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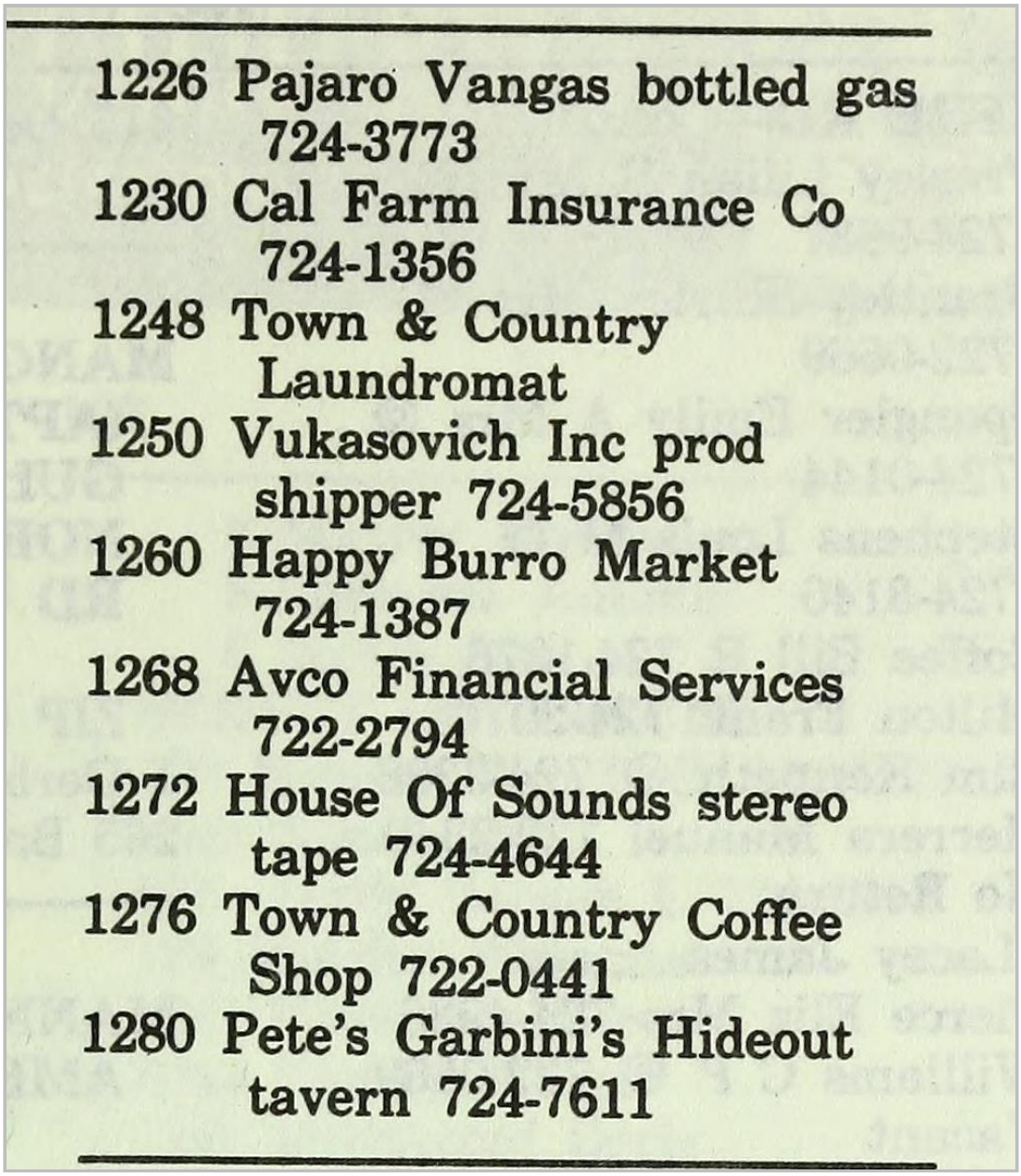
Target Street	Cross Street	Source
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MAIN ST 1971

630 Palo Alto-Salinas Savings & Loan Assn 722-3353
637 Zar Motors auto dlrs 724-5645
640 Hansen Pontiac 722-2468
643 Zar Motors (Body Shop)
645 Zar Motors used cars 724-5645
652 Foster's Burger Bar 724-3647
Foster's Old Fashion Freeze ice cream
655 Main Mobil Service gas sta 722-6433
656 Moreland Notre Dame Academy 724-7696
Moreland Notre Dame Academy Convent
720 Taco Bell
FORD ST INTERSECTS
721 Saint Patrick's Catholic Church 724-1317
Mc Evoy John Rev
HYDE ST INTERSECTS
ZIP CODE 95076
932 Soft Spray Car Wash
952 American Family Steak House 724-9957
972 Town House Motel 724-1323
Whitehead Wm R ©
992 Bill's Phillips 66 724-5040
999 Custom Speed Marine boats 722-5566
P & G Auto Repair 724-4040
1000 Watsonville Register-Pajaronian newspapers 724-0611
Watsonville Newspapers Inc 724-0611
1035 Bob's Truck Stop 722-3494
1075 Windmill Drive Inn The restr 722-1223
1116 Ray's Drive In restr 724-3198
1138 Lincoln Mercury used cars 724-3301
1180 Best Oil Gas Station
1200 Town & Country Shopping Center
1212 State Dept Mtr Vehicles Div Of Drivers Licenses 724-7320
1214 Fumi's House Of Beauty 722-3771
1216 Rudy's Barber Shop 724-2312
1224 Town & Country Liquor 722-0467

Target Street	Cross Street	Source
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MAIN ST 1971



1226 Pajaro Vangas bottled gas
724-3773
1230 Cal Farm Insurance Co
724-1356
1248 Town & Country
Laundromat
1250 Vukasovich Inc prod
shipper 724-5856
1260 Happy Burro Market
724-1387
1268 Avco Financial Services
722-2794
1272 House Of Sounds stereo
tape 724-4644
1276 Town & Country Coffee
Shop 722-0441
1280 Pete's Garbini's Hideout
tavern 724-7611

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MAIN ST 1964

720 PORTOLA MOTORS USED CARS
722-1071
---FORD INTERSECTS
721 SAINT PATRICK'S CATHOLIC
CHURCH 724-1317
O'CONNELL MICHL D REV •
---HYDE INTERSECTS
728 CAIN ZOLA T 724-2786
731 BOB'S TEXACO SERVICE 722-2519
732 CUCUK KATE MRS • 724-7613
MURPHY JOHN W • 724-7612
732A BRAGG LEONARD M 722-0731
732B MARTINEZ ALBERT 722-2850
732C HALLMAN LARRY D 724-3311
736 MITCHELL J HAROLD • 724-6134
740 GRIZICH JOE M • 724-7655
748 LUEVANO DOLORES MRS 722-0804
749 CHINN JOHNSON REAL EST
722-2451
751 CIRCLE CLEANERS
751½ MC CAUGHEY JOE • 724-2130
757 DITLEVSEN ROBT F INS 722-0714
PRUDENTIAL INSURANCE CO
722-0714
MEIDL REALTY CO 724-1313
---EASTERN DR INTERSECTS
771 VACANT
781 MID-TOWN MOTEL 724-9692
MASCIANTONIO NICK •

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MAIN ST 1964

MAIN ST--CONTD

---BRENNAN INTERSECTS
801 CHURCH OF CHRIST 722-0204
813 VACANT
814 CITY PLAYGROUND
---SUDDEN INTERSECTS
819 O'CONNELL EDMUND I ⊙ 724-6015
825 MUNSON WILLIAM H ⊙ 724-7287
833 HANSON WALTER C ⊙ 724-5502
835 PETERSON ROY M ⊙ 724-7798
845 VOJVODA PETER A ⊙ 724-5708
850 MEDICAL GROUP CLINIC 724-2211
BELL JANET S PHYS 724-2211
BELL TAINE T PHYS 724-2211
BLAISDELL FRANK E JR PHYS 724-2211
EISKAMP EHLER H 724-2211
GILMAN PHILLIP K JR PHYS 724-2211
KOEPKE FREDK H PHYS 724-2211
MC KENZIE KEITH S PHYS 724-2211
854 ASHCRAFT PHARMACY 724-6718
855 SAMBUCK ANTON J ⊙ 722-0137

10

---HIGH INTERSECTS
902 VACANT
905 WOOD LOIS B MRS ⊙ 724-5433
906 STEVINSON BLANCHE MRS ⊙ 724-4401
917B BELLINGHAUSEN GEO L ⊙ 724-4192
918 NORTH MAIN BEAUTY SHOP 724-3236
CHRISTMAS EARL R ⊙ 724-3236
918A KOENIGSBAUER HEDY H MRS 724-5293
918B TURNER RICHD
919 VALLEY CONVALESCENT HOSPITAL 724-5866
CHILCOTE GAYLORD D ⊙ 724-5866
921 CULCASI FRANK ⊙ 724-4382
921A NOBLE MANUEL
921B SUKUP LILA
922 LOUGHNANE THOS ⊙ 724-5536
925 LOPEZ AMOR ⊙ 724-4547
925A LOPEZ ANGELINA MRS
925B VALENZUELA GILBERT
926 DAHL WILLIAM G 724-8065
927 MOORE JAMES R ⊙ 724-3307
930 VACANT
933 VALDIVIA TRINIDAD A ⊙ 724-3061
933A NO RETURN
934 KELNHOFER ANDREW C ⊙ 724-3623
938 RICE ROSAMOND O MRS ⊙ 724-5321
939 SCIALABBA OLLIE O ⊙ 724-1284
941 THOMAS NELLY MRS 724-3124
941A WOODLIEF WILLIAM L 724-7772
943 GOUDIE FRANK W CHIROPRACTOR ⊙ 724-7947
---STANFORD INTERSECTS
1003 HANSEN K LOUISE ⊙ 724-5709
1006 HEIGHTS MARKET 724-4771
1009 RIDER H ALLEN ⊙ 724-4204
1010 JOHNSON CHARLES E ⊙ 724-5342
1014 BIRES LOUIE L 724-1608
1014A RODRIQUEZ JIM
1017 CLOTHES LINE CLEANERS CLNS
1017A GRAY JAMES A 724-8154
1018 WELCH JOHN A 722-1032
1020 PAJARO VALLEY ELECTRIC CONTRS 724-3393
1023 RETANA EMILIO

Target Street	Cross Street	Source
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MAIN ST 1964

1023A GARCIA FRANK
1024 KING REG & CO REAL EST
724-5868
1026 LOUIE'S DONUTERIA 722-1256
1028 A-1 MEDICAL & SURGICAL
SUPPLIES 724-2457
A-1 AMBULANCE SERVICE
724-2456
1031 DE LA PAZ GABRIEL
1034 GURASH MABEL MRS ©
1037 VILLANPANDO DANNY 724-7953
1039 VACANT
1042 SMITH'S BEAUTY SALON
722-0466
SMITH MARVIN R © 722-0466
REAR SMITH MONUMENT SHOP STONE
CTRS 722-2213
1043 KEELER HERSHEL
1046 WATSONVILLE ELECTRIC CO
CONTRS 724-6907
1047 MARY'S TAMALE PARLOR RESTR
724-5788
ZUNIGA JOHN © 724-5788
---PROSPECT INTERSECTS
1051 FINN MICHL D © 724-9435
1055 ARALDO JOHN F © 724-4125
1102 KING REGINALD D 722-3148
1102A SCHMIDT CARRIE M MRS
724-0317
1103 HARRAH REAL ESTATE 722-3853
SHIELDS SHERMAN INSURANCE
STATE FARM INSURANCE
COMPANIES 724-7745
1103A KELLEY CHARLES E
1106 PERRY HAZEL M MRS ©
724-7741
1107 BAKICH LUCY J MRS © 724-7345
1107½ DU FOUR MARION MRS PA4-6025
1114 PURITAN OIL CO GAS STA
724-0367
---LINCOLN INTERSECTS
1115 VACANT
---MILES LA INTERSECTS
1119 SID'S FURNITURE 724-1653
REAR CROUCH SIDNEY
1121 VALLEY REALTY 722-0422
1129 HOPKINS CAROL C © 722-1987
1133 HOPKINS TRAILER COURT
722-1987
1170 ED'S WINDOW COVERINGS
724-2650
1180 BOB'S FLOOR COVERING
722-1582
1190 PETE'S BODY SHOP 722-2951
---BROADIS INTERSECTS
1200 HOPKINS SUPPLY 724-3477
1203 BENSON'S FIRESTONE TIRES &
SERV STA 724-6031
DURDEN DENNIS
TORRES JESUS
1205 HOPKINS BEATRICE M MRS ©
724-7661
VOLPI MARGT MRS
1206 CULLIGAN SOFT WATER SERVICE
722-3513
1208 P & M BUSINESS SERVICE
724-6522

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MAIN ST 1960

721 St Patrick's Cath Ch
△PA4-1317
O'Connell Michl D Rev
Hyde intersects
728 Posey Paul D △PA4-9475
731 Dan's Texaco △PA2-2519
732 Murphy John W ◎
△PA4-7613
Cucuk Kate Mrs
△PA4-7612
732a Bragg Leonard M
△PA2-0731
732b Tital Tony △PA4-9632
732c Driscoll G Eleanor
Mrs △PA4-3413
736 Mitchell J Harold ◎
△PA4-6134
740 Grisich Jos M ◎
△PA4-7655
742 Vacant
748 Demartini Amelia S
749 Vacant
751 Circle Clns
751½ McCaughey Joe
△PA4-9759
757 Circle Donut Shop restr
△PA4-9875
771 Vacant
781 Mid-Town Motel
△PA4-9692
Brennan intersects
801 Church of Christ
△PA2-0204
813 Holgerson Lawrence P ◎
△PA4-6667
814 City Playground
819 O'Connell Edmund I ◎
△PA4-6015
825 Munson Wm H ◎
△PA4-7287
833 Ellenwood Cecil A Rev ◎
△PA4-7357
835 Peterson Roy M ◎
△PA4-7798
838 No Return
Sudden intersects
845 Vojvoda Peter A ◎
△PA4-5708
850 **Medical Group**
Bell Janet S Mrs phys
△PA4-5625
Bell Taine T phys
△PA4-5625
Blaisdell Frank E jr
phys △PA4-5625
Eiskamp Ehler H phys
△PA4-5625
Gilman Philip K jr
phys △PA4-5625
Koepke Fredk H phys
△PA4-5625

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MAIN ST 1960

MAIN—Contd
850 Medical Group—Contd
Takemoto Katsumi phys
ΔPA4-5625
854 Ashcraft Pharm
ΔPA4-6718
855 Sambuck Anton J ◎
ΔPA2-0137

10

High intersects

902 Bucci Aldo ◎ ΔPA4-3912
905 Wood Avery E ◎
ΔPA4-5433
906 Stevinson Blanche Mrs ◎
ΔPA4-4401
917b Bellinghausen Geo L
refgr eng ΔPA4-4192
918 North Main Beauty Shop
ΔPA4-3236
Christmas R Earl ◎
ΔPA4-3236
918a Koengsbauer Hedy H
Mrs ΔPA4-5293
918b Vacant
919 Rowell Sanitarium
ΔPA4-5866
921 Culcasi Frank ◎
ΔPA4-4382
921a Scheder Erwin ΔPA2-3470
921b Blindenberg Jas
ΔPA2-0508
922 Loughnane Thos ◎
ΔPA4-5536
925 Lopez Amor ◎
ΔPA4-4547
925a Rafferty Marjorie Mrs
ΔPA4-3714
925b Pugh Vernon
926 Dahl Wm G ΔPA4-8065
927 Dubray Aubrey E ◎
ΔPA4-5123
930 Perry Philomenia S
Mrs ◎ ΔPA4-5191
933 Valdivia Trinidad A ◎
ΔPA4-3061
933a Vasquez Gilbert
934 Kelnhofer Andrew C ◎
ΔPA4-3623
938 Rice Rosamond O Mrs ◎
ΔPA4-5321
939 Valesco Philip ◎
ΔPA2-2043
941 Espinola Neble ◎ trucking
ΔPA4-3787
943 Goudie Frank W chiro-
practor ΔPA4-7947

Stanford intersects

1003 Hansen K Louise ◎
ΔPA4-5709
1006 Heights Mkt gro
ΔPA4-4771
1009 Rider H Allen ◎
ΔPA4-4204
1010 Johnson Chas E ◎
ΔPA4-5342
1014 Cranfield Oather
ΔPA4-7079
1014a Allen Ruth Mrs
ΔPA4-4124
1017 Clothes Line Clns
Vacant
1017a Jackson Alvin
ΔPA4-8154
1018 Kulich Estelle C ◎
ΔPA4-6658
1020 Pajaro Valley Elec
contrs ΔPA4-3393
1023 Fagundes Anthony C
ΔPA4-4676
1023a Clark Mary P Mrs
1024 King Reg & Co real
est ΔPA4-5868
1026 Donuteria ΔPA2-1256
1028 Don's Vacuum & Appls
ΔPA2-2391
1028 Mayou Donald J
ΔPA2-2331
1031 Vacant
1034 Gurash Lazarous ◎
1037 Villanpando Danny
ΔPA4-4471
1038 Smith Jos
1039 Hartvigsen Chas A ◎
ΔPA4-9623
1042 Smith's Beauty Salon
ΔPA2-0486
Smith Marvin R ◎
rear Smith Monument Shop
ΔPA2-2213
1043 Stroh Donald D
ΔPA4-5461
1046 Watsonville Elec Co
contrs ΔPA4-6907
1047 Mary's Tamale Parlor
ΔPA4-5788
Suniga John ◎

Prospect intersects

1051 Finn Michl D ◎
ΔPA4-9435
1055 Araldo John F ◎
ΔPA4-4125

Miles la intersects

1102 North Main Guest Home
ΔPA4-5734
1102a Schmidt Carrie M Mrs
ΔPA4-3572
1103 Farmers Ins Group
ΔPA4-7945
1106 Perry Hazel M Mrs ◎
ΔPA4-7741
1107 Bakich Anton P ◎
ΔPA4-7345

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MAIN ST 1960

MAIN --Contd

1107½ DuFour Marion W Mrs
△PA4-6025

1111 Ontiveras Moses

1114 Twenty Percent Serv Sta
gas sta △PA4-0367

Lincoln av intersects

1115 Vyeda Harold
△PA4-5483

1119 Watsonville Revival
Center

1121 Swing's on the Heights
uphol △PA4-5400

Nicholson's Furn Exch
△PA4-3664

1129 Hopkins Carol C ◎
△PA2-1987

1133 Hopkins Trailer Court
△PA2-1987

Swing's on the Heights
Awnings & Upholstery
△PA4-5400

Broadis intersects

1200 Hopkins Geo Sup Co bldg
matls △PA4-3477

1203 A&W Auto Repr
△PA4-4040

Ogenvides Waldo

Subia Guadalupe

Roe Robt

1205 Hopkins Beatrice M Mrs
◎ △PA4-7661

Volpi Margt Mrs

1206 Culligan Soft Water Serv
△PA4-7604

1208 Watkins J R Products of
Santa Cruz & San
Benito Counties food
prod △PA2-1005

APPENDIX F

Public Records

Notify Environmental Health of any change of ownership, type of business activity, business name, or mailing 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.

ATTN : SANDY HUFF
VALERO CORNER STORE #3737
685 W THIRD ST
HANFORD, CA 93230-5000

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 : **VALERO CORNER STORE #3737**
1180 MAIN ST
WATSONVILLE, CA 95076

Facility ID: FA0003211
Account ID: AR0003470
Issued: 10/18/2007

OWNER NAME : **VALERO CALIFORNIA RETAIL CO**

			Permit Number
PR0006275	2122	HMMP STANDARD FORM FILING FEE Valid From 11/1/2007 to 10/31/2008	97001320
TA0005216	2303	UNDERGROUND STORAGE TANK FEE Valid From 11/1/2007 to 10/31/2008	97001320
TA0005217	2303	UNDERGROUND STORAGE TANK FEE Valid From 11/1/2007 to 10/31/2008	97001320
TA0005218	2303	UNDERGROUND STORAGE TANK FEE Valid From 11/1/2007 to 10/31/2008	97001320

Permits to operate and Annual Fee Payments are NOT TRANSFERABLE. Those referenced above are valid ONLY for this owner: VALERO CALIFORNIA RETAIL CO. 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

SANTA CRUZ COUNTY ENVIRONMENTAL HEALTH SERVICE
701 OCEAN STREET, ROOM 312
SANTA CRUZ, CA 95060 831-454-2022

RECEIVED
OCT 17 2007
ENVIRONMENTAL HEALTH SERVICE

HEALTH PERMIT INVOICE

PLEASE RETURN INVOICE NOTICE WITH PAYMENT

FACILITY ID: FA0003211 INVOICE ID: IN0040808 PERMIT ID:97001320

TO : VALERO CORNER STORE #3737
SANDY HUFF
685 W THIRD ST
HANFORD, CA 93230-5000

EXPIRATION DATE:10/31/2007

ATTN : VALERO CORNER STORE #3737
1180 MAIN ST
WATSONVILLE

BUSINESS PHONE: (831) 722-5249

Program/ Element	Description	Amount
2122	HMMP STANDARD FORM FILING FEE	$268.00
2303	UNDERGROUND STORAGE TANK FEE	$535.00
2319	STATE UST SURCHARGE	$15.00
2303	UNDERGROUND STORAGE TANK FEE	$535.00
2319	STATE UST SURCHARGE	$15.00
2303	UNDERGROUND STORAGE TANK FEE	$535.00
2319	STATE UST SURCHARGE	$15.00
2119	STATE SURCHARGE (HMMP FACILITY)	$24.00

TOTAL DUE FOR THIS INVOICE: *$ 1,942.00*

THIS INVOICE IS DUE: November 01, 2007

Penalties begin AFTER 30 days from Due Date (See Below)

```
10/18/07  8:40AM 0008#2568    0002
PL2122    $268.00
PL2303    $535.00
PL2319     $15.00
PL2303    $535.00
PL2319     $15.00
PL2303    $535.00
PL2319     $15.00
PL2119     $24.00
CHECK    $1942.00
```

25% PENALTY (31-60 DAYS AFTER DUE DATE)	50% PENALTY (61-90 DAYS AFTER DUE DATE)	100% PENALTY (91-120 DAYS AFTER DUE DATE)
$ 2,410.25	$ 2,878.50	$ 3,815.00

A change of ownership will require a new application be submitted. Contact the Environmental Health Service to obtain an application.

FOR EHS USE ONLY

#52024661

DATE PAID ___/___/___ AMOUNT PAID $1,942 00 CASH ___ CHECK X #_____ DATE 10/10/07

DISTRICT # _____ LOG # IN40808 DATE POSTED 10/18/07

HAZARDOUS MATERIALS MANAGEMENT PLAN
CERTIFICATION FORM

RECEIVED
OCT 09 2007

To: County of Santa Cruz
Environmental Health Service
701 Ocean Street, Room 312
Santa Cruz, CA 95060

OCT 18 2007

FA3211 ✓

Pursuant to Section 25503.3(c) of the California Health and Safety Code (H&SC), the Hazardous Materials Management Plan (HMMP) certification described below is hereby submitted for the following facility:

Facility Name: VALERO CORNER STORE #3737

Facility Street Address: 1180 MAIN STREET City: WATSONVILLE

Date of Current HMMP: 5/14/07

I certify that: *(Check the appropriate box)*

☑ I have personally reviewed the Hazardous Materials Management Plan currently on file with your agency and certify the HMMP is complete and accurate. *(See bottom of page for details.)* **Or**

☐ Revisions to the Hazardous Materials Management Plan are necessary. The HMMP as revised is being implemented. A copy of the revision(s) is (are) enclosed with this Certification.

OWNER/OPERATOR CERTIFICATION: I hereby certify under penalty of law that, based upon my inquiry of those individuals responsible for obtaining the information reported above, I believe that the submitted information is true, accurate and complete. I understand that a revised HMMP must be submitted within 30 days of any change in this facility's storage or handling of hazardous materials, which would require updating of the HMMP.

Name of Owner/Operator *(Print)*: SANDY HUFF Title: COMPLIANCE COORD

Signature of Owner/Operator: Sandy Huff Date: 10/9/07

By checking the upper box on the form, you are certifying that:

- The information contained in the HMMP most recently submitted is complete, accurate and up-to-date; **and**
- There has been no change in the quantity of any hazardous material as reported in the most recently submitted Hazardous Materials Inventory forms; **and**
- The facility has not begun handling any hazardous material in a HMMP reportable quantity which is not currently listed in the Hazardous Materials Inventory; **and**
- The most recently submitted HMMP contains the information required by Section 11022 of Title 42 of the United States Code; **and**
- There have been no substantial changes in the facility's hazardous materials operations, which would require revision of the current HMMP.

2100

NO

1180 Main Street, Watsonville, Valero Corner Store

Rebecca Supplee

From: Huff, Sandy [Sandy.Huff@cstbrands.com]
Sent: Thursday, December 19, 2013 2:24 PM
To: Rebecca Supplee
Cc: Tim Fillmore
Subject: RE: 3737 Inspection
Attachments: Corner Store 3737_Overfill Opperation Test_120513.pdf

Hi Rebecca,

LG-150-2 Option A-2 is the overfill method.

Attached are the overfill certification from Triton.

Should you need any additional information, please let me know.

Happy Holidays

Sandy Huff
Compliance Coordinator
CST Brands
sandy.huff@CSTBrands.com
559-583-3298

From: Rebecca Supplee [mailto:ENV030@co.santa-cruz.ca.us]
Sent: Thursday, November 21, 2013 10:29 AM
To: Huff, Sandy
Cc: Tim Fillmore
Subject: RE: 3737 Inspection

Hi Sandy,
I had never seen capacitance probes before, so I was a little confuse. If you could, please confirm which overfill prevention option is used at the site according to LG-150-2. It looks like you are using option A: Flow restrictors installed below the vent line and other tank risers, reduce flow to the UST when the UST is 90 % full, alerting the delivery operator to stop delivery. And, 2) External (audible and visual) alarm that alerts the delivery operator when the UST is 90% full.
If that is the case, please confirm in writing that you are using this option, and that the ball valves are installed properly, and demonstrate that the audio and visual alarm is activated at **90%** by showing a set up from the control panel and by demonstrating that the overfill audio and visual alarm is functioning.
Thank you for your attention to this matter.

Rebecca Supplee, R.E.H.S.
Environmental Health Specialist III
County of Santa Cruz Environmental Health Service
701 Ocean Street, Room 312

Santa Cruz, CA 95060
Tel: (831) 454-2738 FAX: (831) 454-3128

From: Huff, Sandy [mailto:Sandy.Huff@CSTBrands.com]
Sent: Thursday, November 14, 2013 11:01 AM
To: Rebecca Supplee
Subject: 3737 Inspection

Hi Rebecca,

Is there another option to replacing the ATG probe at Valero Corner store 3737, 1180 Main Street, Watsonville? I believe the probes are legal as long as they are only used for stick reading, no testing. Overfill can be testing by changing the level in the tank.

Sandy Huff
Compliance Coordinator
CST Brands
sandy.huff@CSTBrands.com
559-583-3298



Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at http://www.waterboards.ca.gov.)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: **Corner Store 3737** Bldg. No.:

Site Address: **1180 Main St.** City: **Watsonville** Zip: **95076**

Facility Contact Person: **Manager** Contact Phone No.: **831-722-5249**

Make/Model of Monitoring System: **Gilbarco EMC** Date of Testing/Servicing: **12/05/2013**

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: T-1 Unleaded

X	In-Tank Gauging Probe.	Model: **Capacatance**
-	Annular Space or Vault Sensor.	Model:
-	Piping Sump / Trench Sensor(s).	Model:
-	Fill Sump Sensor(s).	Model:
-	Mechanical Line Leak Detector.	Model:
-	Electronic Line Leak Detector.	Model:
X	Tank Overfill / High-Level Sensor.	Model:**Exterior Veeder-Root**
-	Other (specify equipment type and model in Section E on Page 2).	

Tank ID: T-2 Unleaded

X	In-Tank Gauging Probe.	Model: **Capacatance**
-	Annular Space or Vault Sensor.	Model:
-	Piping Sump / Trench Sensor(s).	Model:
-	Fill Sump Sensor(s).	Model:
-	Mechanical Line Leak Detector.	Model:
-	Electronic Line Leak Detector.	Model:
X	Tank Overfill / High-Level Sensor.	Model:**Exterior Veeder-Root**
-	Other (specify equipment type and model in Section E on Page 2).	

Tank ID: T-3 Premium

X	In-Tank Gauging Probe.	Model: **Capacatance**
-	Annular Space or Vault Sensor.	Model:
-	Piping Sump / Trench Sensor(s).	Model:
-	Fill Sump Sensor(s).	Model:
-	Mechanical Line Leak Detector.	Model:
-	Electronic Line Leak Detector.	Model:
X	Tank Overfill / High-Level Sensor.	Model:**Exterior Veeder-Root**
-	Other (specify equipment type and model in Section E on Page 2).	

Tank ID:

-	In-Tank Gauging Probe.	Model:
-	Annular Space or Vault Sensor.	Model:
-	Piping Sump / Trench Sensor(s).	Model:
-	Fill Sump Sensor(s).	Model:
-	Mechanical Line Leak Detector.	Model:
-	Electronic Line Leak Detector.	Model:
-	Tank Overfill / High-Level Sensor.	Model:
-	Other (specify equipment type and model in Section E on Page 2).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

Dispenser ID:

-	Dispenser Containment Sensor(s).	Model:
-	Shear Valve(s).	
-	Dispenser Containment Float(s) and Chain(s).	

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: X System set-up X Alarm history report**

Technician Name (print): **Jonathan Ocker** Signature:

Certification No.: **B36761** License No.: **693807 A-Haz**

Testing Company Name: **Triton Const.** Phone No.: **(831) 475-8141**

Testing Company Address: **2560 Soquel Ave. Santa Cruz, CA 95062** Date of Testing/Servicing: **12/05/2013**

D. **Results of Testing/Servicing**

Software Version Installed: _____

Complete the following checklist:

X	Yes	- No*	Is the audible alarm operational?
X	Yes	- No*	Is the visual alarm operational?
-	Yes	- No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
-	Yes	- No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
-	Yes	- No* - N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
-	Yes	- No* - N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* - Sump/Trench Sensors; - Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? - Yes; - No.
X	Yes	- No* - N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? **90** %
-	Yes*	- No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
-	Yes*	- No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* - Product; - Water. If yes, describe causes in Section E, below.
X	Yes	- No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
-	Yes	- No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. **Comments: Only the overfill alarm was tested.**

F. In-Tank Gauging / SIR Equipment:

- Check this box if tank gauging is used only for inventory control.
- Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

- Yes	- No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
- Yes	- No*	Were all tank gauging probes visually inspected for damage and residue buildup?
- Yes	- No*	Was accuracy of system product level readings tested?
- Yes	- No*	Was accuracy of system water level readings tested?
- Yes	- No*	Were all probes reinstalled properly?
- Yes	- No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

- Check this box if LLDs are not installed.

Complete the following checklist:

- Yes	- No* - N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: - 3 g.p.h.; - 0.1 g.p.h ; - 0.2 g.p.h.
- Yes	- No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
- Yes	- No*	Was the testing apparatus properly calibrated?
- Yes	- No* - N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
- Yes	- No* - N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
- Yes	- No* - N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
- Yes	- No* - N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
- Yes	- No* - N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
- Yes	- No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

VALERO 3737
1180 MAIN ST
WATSONVILLE CA
831-722-5249

DEC 5. 2013 2:33 PM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:UNLEADED
VOLUME = 3323 GALS
ULLAGE = 6829 GALS
90% ULLAGE= 5813 GALS
TC VOLUME = 3319 GALS
HEIGHT = 34.81 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 61.3 DEG F

T 2:UNLEADED
VOLUME = 3581 GALS
ULLAGE = 6571 GALS
90% ULLAGE= 5555 GALS
TC VOLUME = 3585 GALS
HEIGHT = 36.80 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 58.5 DEG F

T 3:PREMIUM
VOLUME = 6021 GALS
ULLAGE = 4131 GALS
90% ULLAGE= 3115 GALS
TC VOLUME = 5996 GALS
HEIGHT = 55.04 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 65.7 DEG F

MANIFOLDED TANKS
INVENTORY TOTALS
T 1:UNLEADED
T 2:UNLEADED
VOLUME = 6904 GALS
TC VOLUME = 6904 GALS

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 1:UNLEADED

SETUP DATA WARNING
DEC 2. 1998 4:04 PM

LEAK ALARM
OCT 9. 2000 5:52 AM

OVERFILL ALARM
DEC 5. 2013 1:49 PM
DEC 5. 2013 1:40 PM
FEB 18. 2013 8:23 AM

LOW PRODUCT ALARM
JUN 26. 2007 8:59 PM
MAY 5. 2007 7:41 PM
MAY 4. 2007 8:21 PM

SUDDEN LOSS ALARM
OCT 9. 2000 3:59 AM

HIGH PRODUCT ALARM
DEC 5. 2013 12:46 PM
MAR 25. 2009 12:39 PM
MAR 25. 2009 12:34 PM

PROBE OUT
OCT 22. 2013 12:10 PM
OCT 22. 2013 12:09 PM
OCT 22. 2013 10:28 AM

DELIVERY NEEDED
DEC 5. 2013 1:45 PM
DEC 5. 2013 1:34 PM
OCT 22. 2013 10:01 AM

MAX PRODUCT ALARM
DEC 2. 1998 4:05 PM
DEC 2. 1998 1:55 PM
DEC 2. 1998 1:40 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 2:UNLEADED

OVERFILL ALARM
DEC 5. 2013 1:38 PM
APR 26. 2012 8:46 AM
OCT 8. 2011 8:41 AM

LOW PRODUCT ALARM
JUN 26. 2007 10:03 PM
MAY 5. 2007 8:15 PM
MAY 4. 2007 9:03 PM

SUDDEN LOSS ALARM
OCT 9. 2000 3:59 AM

HIGH PRODUCT ALARM
DEC 5. 2013 12:47 PM
FEB 5. 2009 11:02 AM
DEC 6. 2004 2:57 AM

PROBE OUT
OCT 22. 2013 12:11 PM
OCT 22. 2013 9:57 AM
OCT 24. 2012 10:45 AM

DELIVERY NEEDED
DEC 5. 2013 1:34 PM
OCT 22. 2013 9:59 AM
NOV 6. 2007 10:23 AM

ALARM HISTORY REPORT

---- IN-TANK ALARM ----

T 3:PREMIUM

OVERFILL ALARM
DEC 5. 2013 1:32 PM
NOV 6. 2007 10:14 AM
DEC 5. 2002 11:21 AM

LOW PRODUCT ALARM
APR 15. 2005 7:58 PM
SEP 21. 2004 8:11 PM
SEP 7. 2004 11:48 AM

HIGH PRODUCT ALARM
DEC 5. 2013 1:06 PM
DEC 5. 2013 12:47 PM
AUG 14. 2001 1:35 PM

PROBE OUT
OCT 22. 2013 12:12 PM
OCT 22. 2013 9:57 AM
OCT 22. 2013 9:56 AM

DELIVERY NEEDED
OCT 22. 2013 10:13 AM
NOV 6. 2007 10:09 AM
AUG 14. 2005 7:11 AM

IN-TANK SETUP

T 1:UNLEADED
PRODUCT CODE : 1
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

CAPO CONDUCTIVE BOOT:NO
WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 90%
: 9136
HIGH PRODUCT : 95%
: 9644
DELIVERY LIMIT : 1%
: 101

LOW PRODUCT : 0
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 10152
TANK TILT : 0.00

MANIFOLDED TANKS
T#: 02

LEAK MIN PERIODIC: 50%
: 5076
PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN

T 2:UNLEADED
PRODUCT CODE : 1
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

CAPO CONDUCTIVE BOOT:NO
WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 90%
: 9136
HIGH PRODUCT : 95%
: 9644
DELIVERY LIMIT : 1%
: 101

LOW PRODUCT : 0
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 10152
TANK TILT : 0.00

MANIFOLDED TANKS
T#: 01

LEAK MIN PERIODIC: 50%
: 5076
PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN

T 3:PREMIUM
PRODUCT CODE : 3
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 10152

CAPD CONDUCTIVE BOOT:NO
WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 90%
: 9136
HIGH PRODUCT : 95%
: 9644
DELIVERY LIMIT : 1%
: 101

LOW PRODUCT : 0
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 10152
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 50%
: 5076
PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN

Department of Conservation

Division of Oil, Gas & Geothermal Resources - Well Finder

Find By Location

Find My Current Location

or

Street: 1035 main street

City: watsonville

Zip: Find

Display a 1500 foot buffer

Buffer radius is limited to 10 mi (52800ft).

Find By API

Find By Lat, Long

Find By PLSS

Find By Oil/Gas Field

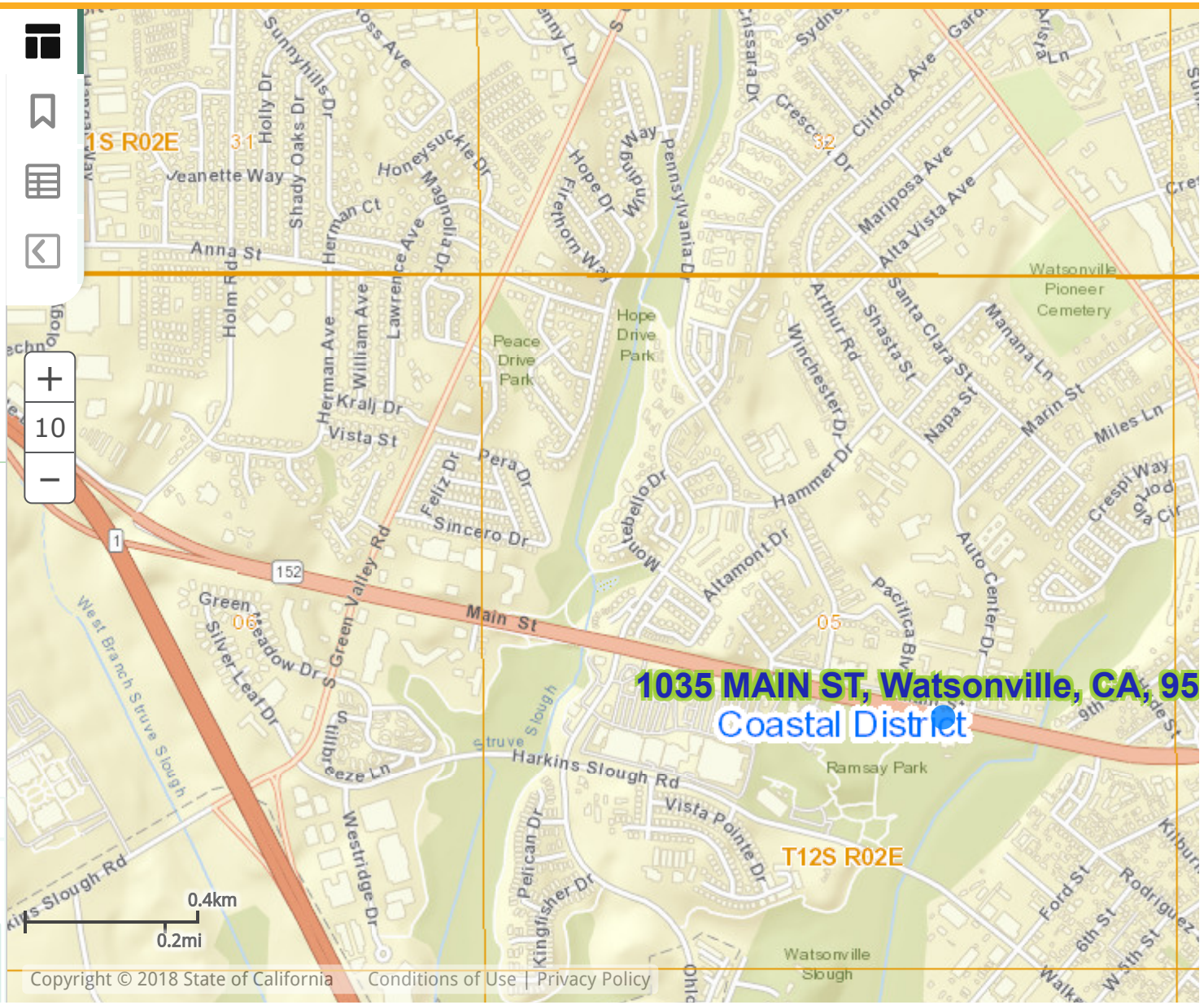
Data (Layers):

Notices & Permits

DOGGR Wells

Label: API# Well# Detailed

EPA Wells for Aquifer Exemption Review



Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee , Director
1001 I Street
P.O. Box 806
Sacramento , CA 958120806

Edmund G. Brown Jr.
Governor

Facility Search Results

Selection Criteria:

Facility:
Search on: Physical Address
Street: main street
City: watsonville
Status: Active and Inactive
Sort Direction: asc
Sorted By: EPA ID
Records Found: 24

EPA ID Number	Name	Address	City	Zip
CAC000079229	1X KAYO OIL CO STA#05763	1180 MAIN STREET	WATSONVILLE	952400000
CAC000130301	1X IIAMS, HARLEY	100 MAIN STREET	WATSONVILLE	923110000
CAC000263809	1X COASTAL ENTERPRISES	1138 MAIN STREET	WATSONVILLE	950760000
CAC000613760	1X WATSONVILLE	407 MAIN STREET	WATSONVILLE	950760000
CAC000621648	1X BANK OF AMERICA	567 MAIN STREET	WATSONVILLE	950760000
CAC000748496	1X GREAT WESTERN BANK	630 MAIN STREET	WATSONVILLE	950760000
CAC000841808	1X NOVCICH BUILDING	446 TO 450 MAIN STREET	WATSONVILLE	950760000
CAC000907624	WELLS FARGO BANK-CORP PROPERTIES GROUP	326 MAIN STREET	WATSONVILLE	950760000
CAC002311641	RON INCE	175 MAIN STREET	WATSONVILLE	950760000
CAC002386605	WELLS FARGO BANK-CORP PROPERTIES	326 MAIN STREET	WATSONVILLE	950760000

	GROUP			
CAC002574286	WELLS FARGO BANK-CORP PROPERTIES GROUP	326 MAIN STREET	WATSONVILLE	950760000
CAC002906929	GOODWILL WATSONVILLE	470 MAIN STREET	WATSONVILLE	95076
CAL000002126	DESERT PETROLEUM INC	570 MAIN STREET	WATSONVILLE	950760000
CAL000035979	B&C AUTOMOTIVE	646 MAIN STREET	WATSONVILLE	950760000
CAL000036425	B C AUTOMOTIVE	646 MAIN STREET	WATSONVILLE	950760000
CAL000041982	RIVERSIDE ARCO	153 MAIN STREET	WATSONVILLE	950760000
CAL000065750	SANCHEZ EXXON	175 MAIN STREET	WATSONVILLE	950760000
CAL000091481	CROSSROADS CHEVRON	1851 MAIN STREET	WATSONVILLE	950760000
CAL000113527	PAYLESS DRUG #4079	1966 MAIN STREET	WATSONVILLE	950763093
CAL000128976	CROSSROADS CHEVRON	1851 MAIN STREET	WATSONVILLE	950760000
CAL000152028	WATSONVILLE REGISTER PAJARONIAN	10001 MAIN STREET	WATSONVILLE	950760000
CAL000152722	KADOTANI AUTO REPAIR, INC.	1865 MAIN STREET	WATSONVILLE	950760000
CAL000189391	BEACON STATION #3737	1180 MAIN STREET	WATSONVILLE	950760000
CAL000191847	PLAM MOTORSPORTS INC	1895 MAIN STREET	WATSONVILLE	950760000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 09/21/2018

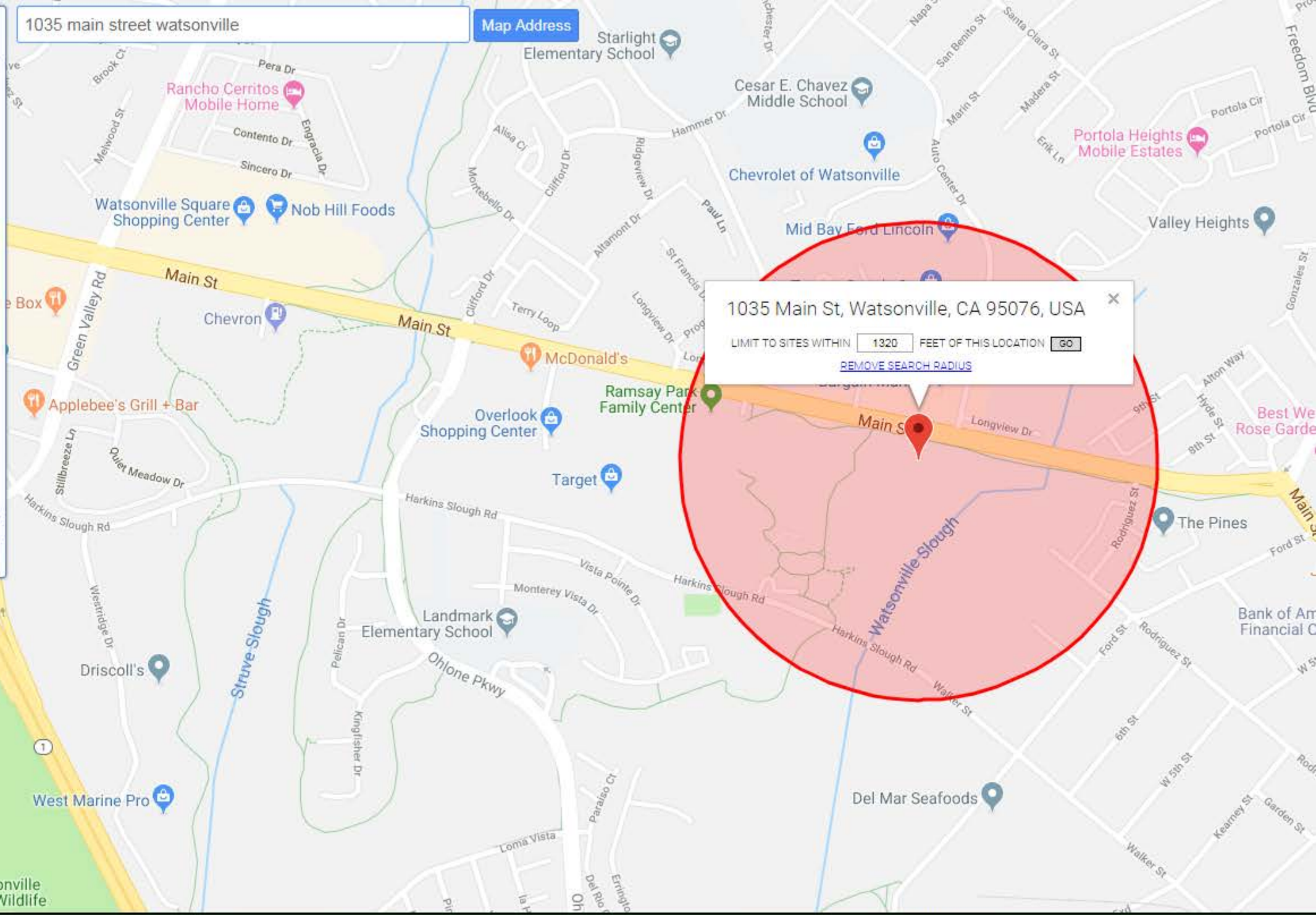
ENVIROSTOR

1035 main street watsonville

Map Address

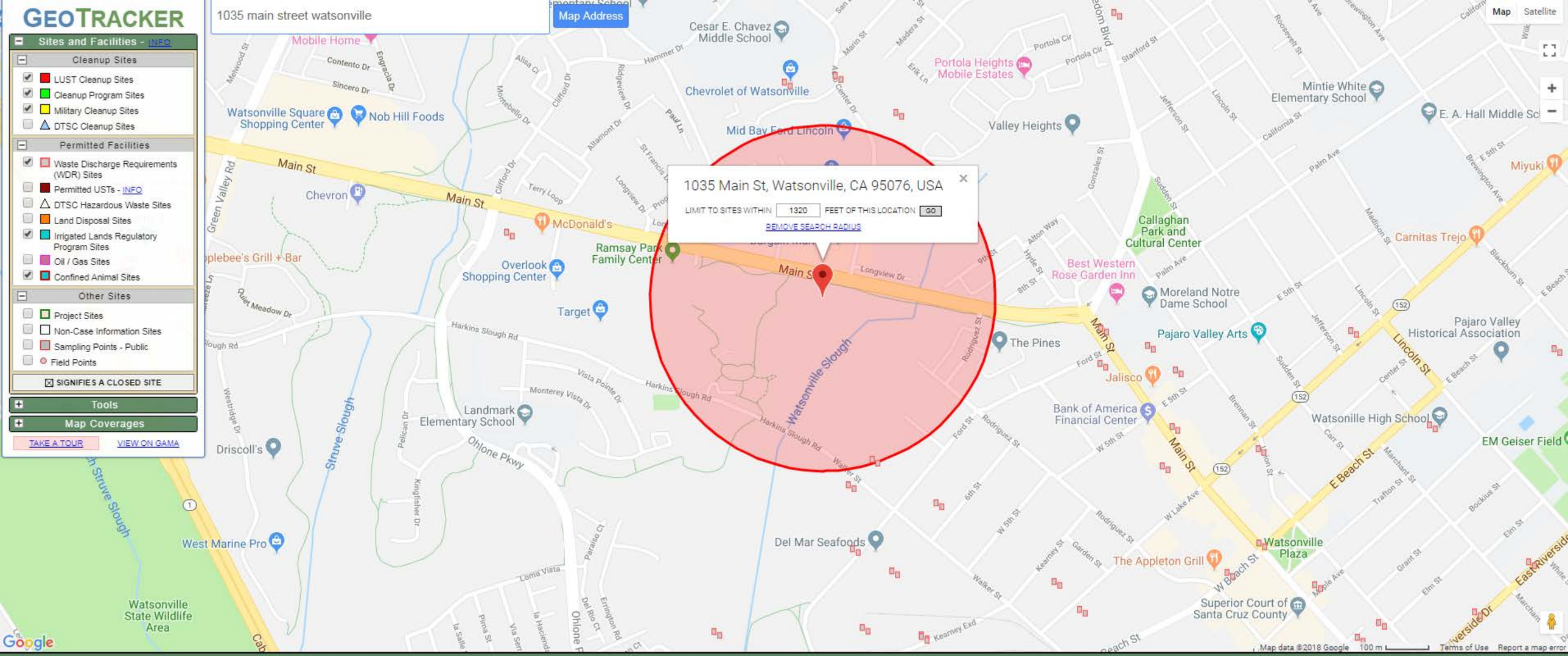
- Sites and Facilities
  - Cleanup Sites
    - Federal Superfund
    - State Response
    - Voluntary Cleanup
    - School Cleanup
    - Evaluation
    - School Investigation
    - Military Evaluation
    - Tiered Permit
    - Corrective Action
  - STATUS
    - All Statuses
  - Permitted Sites
    - Operating
    - Post-Closure
    - Non-Operating
  - Other Sites
  - GIS Layers
- Tools

TAKE A TOUR | SHARE THIS MAP



SITES FOUND IN SEARCH RADIUS — 0 SITES LISTED

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS



SITES FOUND IN SEARCH RADIUS — 1 SITES LISTED — EXPORT THIS LIST TO EXCEL

SITE NAME	GLOBAL ID	STATUS	ADDRESS	CITY
ULTRAMAR BEACON #737	T0608700262	COMPLETED - CASE CLOSED	1180 MAIN ST	WATSONVILLE

All Programs

Enter Facility or Address or APN: main street

Submit

Name	Hits	Program Element	Document Type	Document Date	APN	APN Appendix #	Address	Facility Name	Owner	Facilty ID	Secondary Program Element	Record ID	Program Identifier	Type of Inspecti
175 Main St, , (23)	0	2100					175 Main St							
175 Main St, , (25)	0	2100					175 Main St							
175 Main St, , (26)	0	2100					175 Main St							
175 Main St, , (27)	0	2100					175 Main St							
175 Main St, , (28)	0	2100					175 Main St							
175 Main St, , (29)	0	2100					175 Main St							
175 Main St, , (3)	0	2100					175 Main St							
175 Main St, , (30)	0	2100					175 Main St							
175 Main St, , (4)	0	2100					175 Main St							
175 Main St, , (5)	0	2100					175 Main St							
175 Main St., , - EHS Permit - 5/14/2001	0	1607	EHS Permit	5/14/2001			175 Main St.			4129		9118		
175 Main St., , - EHS Permit - 5/5/2003	0	1607	EHS Permit	5/5/2003			175 Main St.					9118		
175 Main St., , - Inspection Report - 11/7/2000	0	1607	Inspection Report	11/7/2000			175 Main St.					9118		
175 Main St., , - Inspection Report - 5/18/2001	0	1607	Inspection Report	5/18/2001			175 Main St.					9118		
175 Main St., , - Inspection Report - 7/30/2004	0	1607	Inspection Report	7/30/2004			175 Main St.					9118		
175 Main St., , - Inspection Report - 9/19/2001	0	1607	Inspection Report	9/19/2001			175 Main St.					9118		
175 Main St., , - Inspection Report - 9/19/2002	0	1607	Inspection Report	9/19/2002			175 Main St.					9118		
190 MAIN ST, , - Correspondence To EHS - 10/15/2013	0	2100	Correspondence To EHS	10/15/2013			190 MAIN ST							
1962 MAIN STREET, , - EHS Permit - 2/1/2016	0	1607	EHS Permit	2/1/2016			1962 MAIN STREET			7958		16276		
200 MAIN ST, , - Other Documents - 3/30/2006	0	2100	Other Documents	3/30/2006			200 MAIN ST							

Joshua Fox

From: Joshua Fox
Sent: Friday, September 21, 2018 9:15 AM
To: 'Sayles, Tom@Waterboards'
Cc: Denker, Sharon@Waterboards
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Thank you Thomas,
Can you check one more address for me – 975 Main Street?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From: Sayles, Tom@Waterboards <Tom.Sayles@waterboards.ca.gov>
Sent: Thursday, September 20, 2018 2:04 PM
To: Joshua Fox <jfox@rouxinc.com>
Cc: Denker, Sharon@Waterboards <sharon.denker@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Josh,

The Central Coast Water Board have no paper files or electronic records in Geotracker for the subject sites. Please check with the local agencies. If you have any questions, let me know.

Thanks,

Thomas A. Sayles
Engineering Geologist
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

Tel: (805) 542-4640
e-mail – Tom.Sayles@waterboards.ca.gov

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:03 PM
To: WB-RB3-centralcoast <centralcoast@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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Joshua Fox

From: noreply@civicplus.com
Sent: Wednesday, September 19, 2018 11:57 AM
To: Joshua Fox
Subject: Online Form Submittal: Public Records Act Request

Public Records Act Request

Requests for public records are subject to the California Public Records Act (GC 6270). Public records are accessible at all times during regular office hours and can be reviewed at no charge. To respond to your request in a timely manner, we ask that you provide specific and identifiable information. Copies may be provided in most instances upon request unless records are archived or not readily accessible. The City has ten (10) days to respond to the request. Requestor will be notified if an extension of time will be necessary pursuant to the Act. Fees for copies are based on the City's current fee schedule. Fees for copies of records that are sent to a copy house would be the actual cost. All fees are due and payable in full before copies are made available. The requested information will help staff to accurately and efficiently comply with your request.

Name	Josh Fox
Address	555 12th Street, Suite 250
City	Oakland
State	California
Zip Code	94607
Country	*Field not completed.*
Phone Number	415-967-6014
Email Address	jfox@rouxinc.com
Records Request	I am requesting all records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. I am especially interested in any records regarding building/planning and the fire department. Please let me know if there are any issues with this request so they can be corrected in a timely manner. Thank you, Josh Fox Roux Associates

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 12:07 PM
To: 'berkeleyfileroom@dtsc.ca.gov'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I am requesting public records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there is another branch of DTSC that handles Watsonville that I should send this to instead.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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Joshua Fox

From: Joshua Fox
Sent: Friday, September 21, 2018 9:14 AM
To: 'Cindy Searson'
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

Hi Cindy,
Can you check one more address for me? 975 Main Street, Watsonville?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 2:50 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

I am in receipt of your request for information regarding the above sites. I have located one very old electronic record, as follows:

Permit to Operate No. 0452 issued to R V Ahlport, Inc., address on file is 1035 Main Street, Watsonville. Issued for a gasoline storage tank, cancelled on 11/13/1976.

No other records responsive to your request were found.

Should you need anything further, please feel free to contact me.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Monterey Bay Air Resources District

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 1:27 PM
To: Cindy Searson
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Cynthia,
Thank you for letting me know. Please see attached.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 1:18 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: FW: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Your request for information has been sent to the wrong Agency (as the share our building). Can you please complete the District's form.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Monterey Bay Air Resources District

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:25 PM
To: info
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 10:09 AM
To: 'bernice.shawver@santacruzcounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville PRA request form.pdf

Hi Bernice,
I have attached a public records request for any and all records associated with the property that comprises 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT
701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
(831) 454-2580

DATE STAMP

PUBLIC RECORDS REQUEST FORM

You are not required to complete this form but completing it will assist us in providing your requested records

___ REQUEST TO ACCESS RECORDS
__X_ View electronic version OK, if available

___ REQUEST FOR COPIES
__X_ electronic copies OK, if available

REQUESTOR INFORMATION (PLEASE PRINT OR TYPE)

REQUESTOR NAME: Josh Fox

MAILING ADDRESS: 555 12th Street, Suite 250, Oakland, California 94607

Please indicate the best way for staff to reach you regarding your request:

PHONE: 415-967-6014 **MOBILE:** 646-306-0945

E-MAIL: jfox@rouxinc.com

DESCRIPTION OF RECORDS REQUESTED (If known, the following information will help fulfill your request)

Assessor's Parcel Number(s): 018-261-014 and 018-261-029

Property Address: 999, 1017, 1035, 1039, and 1075 Main Street, Watsonville, California

Type of Records, if known:

_____Planning _____Building _____Code Enforcement _____Other __X__All

Time Period for Records: Beginning Date __Any___/_____/_____ Ending Date _____/_____/_____

Description: I am requesting all documents for the property that comprises of 999, 1017, 1035, 1039,and 1075 Main Street in Watsonville for any time period those records may be from.

****

Received by: _____ Date Received: _____

Send to: Executive Secretary, bernice.shawver@santacruzcounty.us and Records Room Staff immediately

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 8:49 AM
To: 'amy.o'brien@santacruzcounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville Records Request.pdf

Hi Amy,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com



California | Illinois | Massachusetts | New Jersey | New York | Texas



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County of Santa Cruz

HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073

(831) 454-2022 FAX: (831) 454-3128 TDD: (831) 454-2123

www.scceh.com

ENVIRONMENTAL HEALTH

REQUEST FOR FILE REVIEW
Hazardous Materials or Site Mitigation Records

Confidential documents such as facility maps showing chemical location cannot be released without a written authorization from the business owner.

Requestor Name: Josh Fox Company: Roux Associates

Phone Number (s): 415-967-6014 Fax:

E-mail Address: jfox@rouxinc.com

Mailing Address: 555 12th Street, Suite 250, Oakland, California 94607

Site Address (Not APN): 999, 1017, 1035, 1039, and 1075 Main Street, Watsonville, California

Every properly completed request will be responded in order it is received within 10 working days.

If there are records for the address you requested, you may visit our office during the business hours (Monday-Friday, 8:00-12:00 and 1:00-5:00, except on holidays and furlough days) to review the files on one of the two public computers. Copies are $0.50 for the first page and $0.10 per page for additional pages. Due to security reasons, the use of external memory devices is prohibited.

If there are only few records found for the address, we may be able to e-mail the files in PDF format. The charge is the same as for paper copies. We will e-mail the documents upon receiving payment.

You may request the documents to be burned on a CD/DVD and mailed to you. The fee is a minimum of one hour based on our current hourly rate. If more than one hour is required due to the large number of records, we will bill our hourly rate for all time required to prepare the CD/DVD. Please refer to the following link for our current fee schedule (http://www.scceh.com/Home/Programs/HazardousMaterialsProgramsCUPA.aspx).

We accept payments by cash or checks only. Please make checks payable to: County of Santa Cruz.

Please call our office at (831) 454-2022 if you have further questions.

Office Use Only

Request received: _____

Records found: ☐ Yes ☐ No Confidential records found: ☐ Yes ☐ No

Notes:

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 9:06 AM
To: 'env.hlth@SantaCruzCounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville Records Request.pdf

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029.

This request document is specific to "Hazardous Materials or Site Mitigation" records. I have already sent this to Amy O'Brien, but am looking for all records pertaining to this site that SCCEH might have – I was unable to find a records request just for Environmental Health. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas

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From: noreply@civicplus.com
To: Joshua Fox
Subject: Online Form Submittal: Public Records Act Request
Date: Wednesday, September 19, 2018 11:57:03 AM

Public Records Act Request

Requests for public records are subject to the California Public Records Act (GC 6270). Public records are accessible at all times during regular office hours and can be reviewed at no charge. To respond to your request in a timely manner, we ask that you provide specific and identifiable information. Copies may be provided in most instances upon request unless records are archived or not readily accessible. The City has ten (10) days to respond to the request. Requestor will be notified if an extension of time will be necessary pursuant to the Act. Fees for copies are based on the City's current fee schedule. Fees for copies of records that are sent to a copy house would be the actual cost. All fees are due and payable in full before copies are made available. The requested information will help staff to accurately and efficiently comply with your request.

Name	Josh Fox
Address	555 12th Street, Suite 250
City	Oakland
State	California
Zip Code	94607
Country	*Field not completed.*
Phone Number	415-967-6014
Email Address	jfox@rouxinc.com
Records Request	I am requesting all records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. I am especially interested in any records regarding building/planning and the fire department. Please let me know if there are any issues with this request so they can be corrected in a timely manner. Thank you, Josh Fox Roux Associates

From: Joshua Fox
To: "berkeleyfileroom@dtsc.ca.gov"
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date: Wednesday, September 19, 2018 12:07:00 PM
Attachments: image001.png
image002.jpg
image003.jpg
image004.jpg
image005.jpg
image006.jpg

Hello,
I am requesting public records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there is another branch of DTSC that handles Watsonville that I should send this to instead.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From:	Joshua Fox
To:	"bernice.shawver@santacruzcounty.us"
Subject:	Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date:	Wednesday, September 19, 2018 10:09:00 AM
Attachments:	Main Street Watsonville PRA request form.pdf image001.png image002.jpg image003.jpg image004.jpg image005.jpg image006.jpg

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Hi Bernice,

I have attached a public records request for any and all records associated with the property that comprises 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist

555 12th Street, Suite 250, Oakland, California 94607

Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945

Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From:	Joshua Fox
To:	"amy.o"brien@santacruzcounty.us"
Subject:	Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date:	Wednesday, September 19, 2018 8:48:00 AM
Attachments:	Main Street Watsonville Records Request.pdf image001.png image002.jpg image003.jpg image004.jpg image005.jpg image006.jpg

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Hi Amy,

I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist

555 12th Street, Suite 250, Oakland, California 94607

Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945

Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Joshua Fox
To: "env.hlth@SantaCruzCounty.us"
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date: Wednesday, September 19, 2018 9:05:00 AM
Attachments: Main Street Watsonville Records Request.pdf
image001.png
image002.jpg
image003.jpg
image004.jpg
image005.jpg
image006.jpg

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029.

This request document is specific to "Hazardous Materials or Site Mitigation" records. I have already sent this to Amy O'Brien, but am looking for all records pertaining to this site that SCCEH might have – I was unable to find a records request just for Environmental Health. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Joshua Fox
To: "Cindy Searson"
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157
Date: Friday, September 21, 2018 9:13:00 AM
Attachments: image001.png
image002.jpg
image003.jpg
image004.jpg
image005.jpg
image006.jpg
image007.jpg

Hi Cindy,
Can you check one more address for me? 975 Main Street, Watsonville?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 2:50 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

I am in receipt of your request for information regarding the above sites. I have located one very old electronic record, as follows:

Permit to Operate No. 0452 issued to R V Ahlport, Inc., address on file is 1035 Main Street, Watsonville. Issued for a gasoline storage tank, cancelled on 11/13/1976.

No other records responsive to your request were found.

Should you need anything further, please feel free to contact me.

Regards,

Cynthia Searson, Engineering and Compliance Specialist
Logo_Final-small

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 1:27 PM
To: Cindy Searson
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Cynthia,
Thank you for letting me know. Please see attached.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 1:18 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: FW: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Your request for information has been sent to the wrong Agency (as the share our building). Can you please complete the District's form.

Regards,

Cynthia Searson, Engineering and Compliance Specialist
Logo_Final-small

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:25 PM
To: info
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0



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From: Joshua Fox
To: "Sayles, Tom@Waterboards"
Cc: Denker, Sharon@Waterboards
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date: Friday, September 21, 2018 9:15:00 AM
Attachments: image001.png
image002.jpg
image003.jpg
image004.jpg
image005.jpg
image006.jpg

Thank you Thomas,
Can you check one more address for me – 975 Main Street?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Sayles, Tom@Waterboards <Tom.Sayles@waterboards.ca.gov>
Sent: Thursday, September 20, 2018 2:04 PM
To: Joshua Fox <jfox@rouxinc.com>
Cc: Denker, Sharon@Waterboards <sharon.denker@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Josh,

The Central Coast Water Board have no paper files or electronic records in Geotracker for the subject sites. Please check with the local agencies. If you have any questions, let me know.

Thanks,

Thomas A. Sayles
Engineering Geologist
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906
Tel: (805) 542-4640
e-mail – Tom.Sayles@waterboards.ca.gov

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:03 PM
To: WB-RB3-centralcoast <centralcoast@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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Joshua Fox

From: Joshua Fox
Sent: Friday, September 21, 2018 9:15 AM
To: 'Sayles, Tom@Waterboards'
Cc: Denker, Sharon@Waterboards
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Thank you Thomas,
Can you check one more address for me – 975 Main Street?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas

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From: Sayles, Tom@Waterboards <Tom.Sayles@waterboards.ca.gov>
Sent: Thursday, September 20, 2018 2:04 PM
To: Joshua Fox <jfox@rouxinc.com>
Cc: Denker, Sharon@Waterboards <sharon.denker@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Josh,

The Central Coast Water Board have no paper files or electronic records in Geotracker for the subject sites. Please check with the local agencies. If you have any questions, let me know.

Thanks,

Thomas A. Sayles
Engineering Geologist
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

Tel: (805) 542-4640
e-mail – Tom.Sayles@waterboards.ca.gov

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:03 PM
To: WB-RB3-centralcoast <centralcoast@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas



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Joshua Fox

From: noreply@civicplus.com
Sent: Wednesday, September 19, 2018 11:57 AM
To: Joshua Fox
Subject: Online Form Submittal: Public Records Act Request

Public Records Act Request

Requests for public records are subject to the California Public Records Act (GC 6270). Public records are accessible at all times during regular office hours and can be reviewed at no charge. To respond to your request in a timely manner, we ask that you provide specific and identifiable information. Copies may be provided in most instances upon request unless records are archived or not readily accessible. The City has ten (10) days to respond to the request. Requestor will be notified if an extension of time will be necessary pursuant to the Act. Fees for copies are based on the City's current fee schedule. Fees for copies of records that are sent to a copy house would be the actual cost. All fees are due and payable in full before copies are made available. The requested information will help staff to accurately and efficiently comply with your request.

Name	Josh Fox
Address	555 12th Street, Suite 250
City	Oakland
State	California
Zip Code	94607
Country	*Field not completed.*
Phone Number	415-967-6014
Email Address	jfox@rouxinc.com
Records Request	I am requesting all records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. I am especially interested in any records regarding building/planning and the fire department. Please let me know if there are any issues with this request so they can be corrected in a timely manner. Thank you, Josh Fox Roux Associates

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 12:07 PM
To: 'berkeleyfileroom@dtsc.ca.gov'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I am requesting public records for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there is another branch of DTSC that handles Watsonville that I should send this to instead.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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Joshua Fox

From: Joshua Fox
Sent: Friday, September 21, 2018 9:14 AM
To: 'Cindy Searson'
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

Hi Cindy,
Can you check one more address for me? 975 Main Street, Watsonville?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 2:50 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

I am in receipt of your request for information regarding the above sites. I have located one very old electronic record, as follows:

Permit to Operate No. 0452 issued to R V Ahlport, Inc., address on file is 1035 Main Street, Watsonville. Issued for a gasoline storage tank, cancelled on 11/13/1976.

No other records responsive to your request were found.

Should you need anything further, please feel free to contact me.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Monterey Bay Air Resources District

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 1:27 PM
To: Cindy Searson
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Cynthia,
Thank you for letting me know. Please see attached.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 1:18 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: FW: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Your request for information has been sent to the wrong Agency (as the share our building). Can you please complete the District's form.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Monterey Bay Air Resources District

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:25 PM
To: info
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 10:09 AM
To: 'bernice.shawver@santacruzcounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville PRA request form.pdf

Hi Bernice,
I have attached a public records request for any and all records associated with the property that comprises 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT
701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
(831) 454-2580

DATE STAMP

PUBLIC RECORDS REQUEST FORM

You are not required to complete this form but completing it will assist us in providing your requested records

___ REQUEST TO ACCESS RECORDS
__X_ View electronic version OK, if available

___ REQUEST FOR COPIES
__X_ electronic copies OK, if available

REQUESTOR INFORMATION (PLEASE PRINT OR TYPE)

REQUESTOR NAME: Josh Fox

MAILING ADDRESS: 555 12th Street, Suite 250, Oakland, California 94607

Please indicate the best way for staff to reach you regarding your request:

PHONE: 415-967-6014 **MOBILE:** 646-306-0945

E-MAIL: jfox@rouxinc.com

DESCRIPTION OF RECORDS REQUESTED (If known, the following information will help fulfill your request)

Assessor's Parcel Number(s): 018-261-014 and 018-261-029

Property Address: 999, 1017, 1035, 1039, and 1075 Main Street, Watsonville, California

Type of Records, if known:

_____Planning _____Building _____Code Enforcement _____Other __X__All

Time Period for Records: Beginning Date __Any___/_____/_____ Ending Date _____/_____/_____

Description: I am requesting all documents for the property that comprises of 999, 1017, 1035, 1039,and 1075 Main Street in Watsonville for any time period those records may be from.

****

Received by: _____ Date Received: _____

Send to: Executive Secretary, bernice.shawver@santacruzcounty.us and Records Room Staff immediately

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 8:49 AM
To: 'amy.o'brien@santacruzcounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville Records Request.pdf

Hi Amy,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com



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County of Santa Cruz

HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073

(831) 454-2022 FAX: (831) 454-3128 TDD: (831) 454-2123

www.scceh.com

ENVIRONMENTAL HEALTH

REQUEST FOR FILE REVIEW
Hazardous Materials or Site Mitigation Records

Confidential documents such as facility maps showing chemical location cannot be released without a written authorization from the business owner.

Requestor Name: Josh Fox Company: Roux Associates

Phone Number (s): 415-967-6014 Fax:

E-mail Address: jfox@rouxinc.com

Mailing Address: 555 12th Street, Suite 250, Oakland, California 94607

Site Address (Not APN): 999, 1017, 1035, 1039, and 1075 Main Street, Watsonville, California

Every properly completed request will be responded in order it is received within 10 working days.

If there are records for the address you requested, you may visit our office during the business hours (Monday-Friday, 8:00-12:00 and 1:00-5:00, except on holidays and furlough days) to review the files on one of the two public computers. Copies are $0.50 for the first page and $0.10 per page for additional pages. Due to security reasons, the use of external memory devices is prohibited.

If there are only few records found for the address, we may be able to e-mail the files in PDF format. The charge is the same as for paper copies. We will e-mail the documents upon receiving payment.

You may request the documents to be burned on a CD/DVD and mailed to you. The fee is a minimum of one hour based on our current hourly rate. If more than one hour is required due to the large number of records, we will bill our hourly rate for all time required to prepare the CD/DVD. Please refer to the following link for our current fee schedule (http://www.scceh.com/Home/Programs/HazardousMaterialsProgramsCUPA.aspx).

We accept payments by cash or checks only. Please make checks payable to: County of Santa Cruz.

Please call our office at (831) 454-2022 if you have further questions.

Office Use Only

Request received: _____

Records found: ☐ Yes ☐ No Confidential records found: ☐ Yes ☐ No

Notes:

Joshua Fox

From: Joshua Fox
Sent: Wednesday, September 19, 2018 9:06 AM
To: 'env.hlth@SantaCruzCounty.us'
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Attachments: Main Street Watsonville Records Request.pdf

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029.

This request document is specific to "Hazardous Materials or Site Mitigation" records. I have already sent this to Amy O'Brien, but am looking for all records pertaining to this site that SCCEH might have – I was unable to find a records request just for Environmental Health. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

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From:	Rose, Carl@DTSC
To:	Joshua Fox
Cc:	BerkeleyFileRoom@DTSC
Subject:	2-091918-03 no records
Date:	Thursday, September 27, 2018 4:13:57 PM
Attachments:	PRA No Records letter.doc

Good afternoon,

I have attached a no records letter in response to your PRA request from last week. I am not at my normal work station so please forgive me for not attaching an Adobe version of the letter. Thanks for your understanding and let me know if you require anything further.

Sincerest regards,

Carl Rose
DTSC Berkeley
Regional Central Files Coordinator
510-540-3800

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
700 Heinz Avenue
Berkeley, California 94710-2721

Edmund G. Brown Jr.
Governor

September 27, 2018

Josh Fox
ROUX, Inc.
555 12th St., Ste. 250
Oakland, CA 94607

PR2-091918-03

999, 1017, 1035, 1039 + 1075 Main St., Watsonville, CA

Dear Mr. Fox:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control. After a thorough review of our files specifically located in the Berkeley Regional office, we have found that no such records exist at this office pertaining to the sites/facilities referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on several thousand DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available in the DTSC File rooms of each regional office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request, or would like an appointment to visit Berkeley's Central File Room, please contact me at (510)540-3800.

Sincerely,

Carl Rose
Regional Central Files Coordinator
Tel: 510-540-3800 / Fax: 510-540-3801
Berkeleyfileroom@DTSC.CA.GOV

Printed on Recycled Paper

From: Amy O"Brien
To: Joshua Fox
Subject: PUBLIC RECORDS REQUEST - 999, 1017, 1035, 1039, & 1075 MAIN STREET - WATSONVILLE
Date: Thursday, September 20, 2018 9:46:00 AM

Good morning! In response to your Records Request, all records related to the site addresses of **999, 1017, 1035, 1039, & 1075 Main Street** in **Watsonville** are available to view and print at no charge on our website as follows:

scceh.com
'Santa Cruz EHS files'
Click on 'Hazardous Materials Documents' link
Under 'Enter Facility or Address', enter the respective addresses & click 'Submit'

Click on all the desired documents and print.

Also, I recommend Google Chrome or Internet Explorer to access the website. It appears that the Firefox web browser does not work too well with our website.

If you have any questions, please feel free to give me a call. Thanks!

Amy O'Brien
Hazmat Program Clerk
County of Santa Cruz Health Services Agency Environmental Health Division
701 Ocean Street, Room 312
Santa Cruz, CA 95060
(831) 454-2766

From:	Sayles, Tom@Waterboards
To:	Joshua Fox
Cc:	Denker, Sharon@Waterboards
Subject:	RE: Public Records Request for 975 Main Street, Watsonville
Date:	Friday, September 21, 2018 9:19:50 AM
Attachments:	image001.png image002.jpg image003.jpg image004.jpg image005.jpg image006.jpg

---

Hi Josh,

The Central Coast Water Board have no paper files or electronic records in Geotracker for 975 Main Street, Watsonville. Please check with the local agencies. If you have any questions, let me know.

Thanks,

Thomas A. Sayles
Engineering Geologist
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906
Tel: (805) 542-4640
e-mail – Tom.Sayles@waterboards.ca.gov

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Friday, September 21, 2018 9:15 AM
To: Sayles, Tom@Waterboards <Tom.Sayles@waterboards.ca.gov>
Cc: Denker, Sharon@Waterboards <sharon.denker@waterboards.ca.gov>
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Thank you Thomas,
Can you check one more address for me – 975 Main Street?

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Sayles, Tom@Waterboards <Tom.Sayles@waterboards.ca.gov>
Sent: Thursday, September 20, 2018 2:04 PM
To: Joshua Fox <jfox@rouxinc.com>
Cc: Denker, Sharon@Waterboards <sharon.denker@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Josh,

The Central Coast Water Board have no paper files or electronic records in Geotracker for the subject sites. Please check with the local agencies. If you have any questions, let me know.

Thanks,

Thomas A. Sayles
Engineering Geologist
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906
Tel: (805) 542-4640
e-mail – Tom.Sayles@waterboards.ca.gov

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:03 PM
To: WB-RB3-centralcoast <centralcoast@waterboards.ca.gov>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From:	Cindy Searson
To:	Joshua Fox
Subject:	RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157
Date:	Friday, September 21, 2018 3:15:49 PM
Attachments:	image007.jpg image008.png image009.jpg image010.jpg image011.jpg image012.jpg image013.jpg

---

The District has no records for 975 Main Street.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Logo_Final-small

24580 Silver Cloud Court

Monterey, CA 93940

Office: 831-647-9411; Direct: 831-718-8033

www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Friday, September 21, 2018 9:14 AM
To: Cindy Searson
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

Hi Cindy,
Can you check one more address for me? 975 Main Street, Watsonville?

Thank you,

Josh Fox, G.I.T. | Staff Geologist

555 12th Street, Suite 250, Oakland, California 94607

Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945

Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 2:50 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville, PR#157

I am in receipt of your request for information regarding the above sites. I have located one very old electronic record, as follows:

Permit to Operate No. 0452 issued to R V Ahlport, Inc., address on file is 1035 Main Street, Watsonville. Issued for a gasoline storage tank, cancelled on 11/13/1976.

No other records responsive to your request were found.

Should you need anything further, please feel free to contact me.

Regards,

Cynthia Searson, Engineering and Compliance Specialist
Logo_Final-small
24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033
www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 1:27 PM
To: Cindy Searson
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Cynthia,

Thank you for letting me know. Please see attached.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Cindy Searson <CSearson@mbard.org>
Sent: Wednesday, September 19, 2018 1:18 PM
To: Joshua Fox <jfox@rouxinc.com>
Subject: FW: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Your request for information has been sent to the wrong Agency (as the share our building). Can you please complete the District's form.

Regards,

Cynthia Searson, Engineering and Compliance Specialist

Logo_Final-small

24580 Silver Cloud Court
Monterey, CA 93940
Office: 831-647-9411; Direct: 831-718-8033

www.mbard.org

From: Joshua Fox [mailto:jfox@rouxinc.com]
Sent: Wednesday, September 19, 2018 12:25 PM
To: info
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hello,
I have attached a public records request for the property that comprises of 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

cid:image001.png@01D3EE9A.F9613CF0

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From: Joshua Fox
To: Joshua Fox
Subject: RE: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville
Date: Wednesday, September 19, 2018 10:17:00 AM
Attachments: image001.png
image002.jpg
image003.jpg
image004.jpg
image005.jpg
image006.jpg

Spoke via phone to Joe in the Records Department, who advised that they do not have jurisdiction of these records, and that I would need to contact the City of Watsonville Building and Planning.

From: Joshua Fox
Sent: Wednesday, September 19, 2018 10:09 AM
To: 'bernice.shawver@santacruzcounty.us' <bernice.shawver@santacruzcounty.us>
Subject: Public Records Request: 999, 1017, 1035, 1039, & 1075 Main Street, Watsonville

Hi Bernice,
I have attached a public records request for any and all records associated with the property that comprises 999, 1017, 1035, 1039, and 1075 Main Street in Watsonville, associated with APNs 018-261-014 and 018-261-029. Please let me know if there are any issues with this request so they can be corrected in a timely manner.

Thank you,

Josh Fox, G.I.T. | Staff Geologist
555 12th Street, Suite 250, Oakland, California 94607
Main: 415.967.6000 | Direct: 415.967.6014 | Mobile: 646.306.0945
Email: jfox@rouxinc.com | Website: www.rouxinc.com

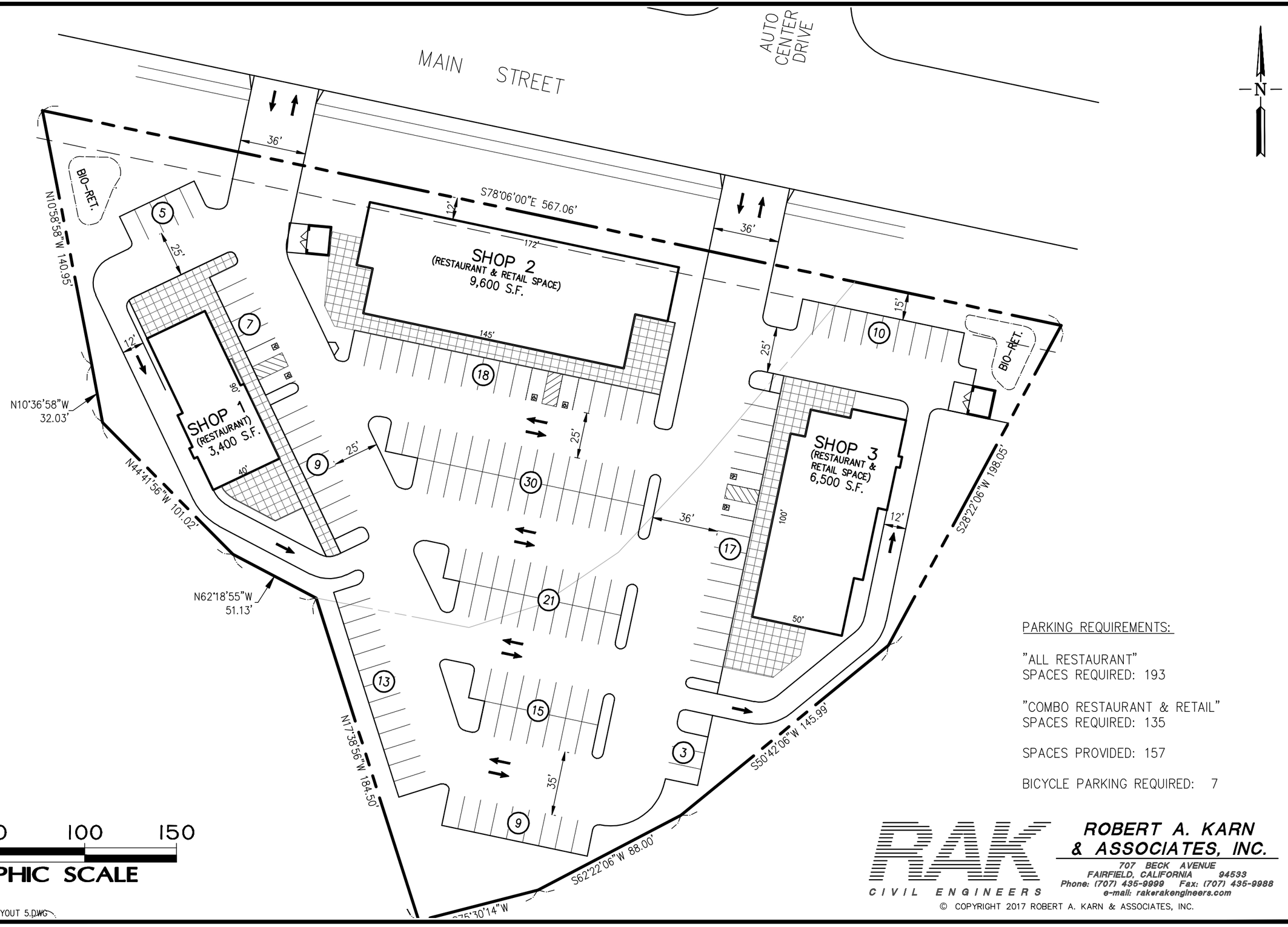
cid:image001.png@01D3EE9A.F9613CF0

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APPENDIX G

User Provided Information



PARKING REQUIREMENTS:

"ALL RESTAURANT"
SPACES REQUIRED: 193

"COMBO RESTAURANT & RETAIL"
SPACES REQUIRED: 135

SPACES PROVIDED: 157

BICYCLE PARKING REQUIRED: 7

0 50 100 150

GRAPHIC SCALE

PLOT DATE: February 16, 2018

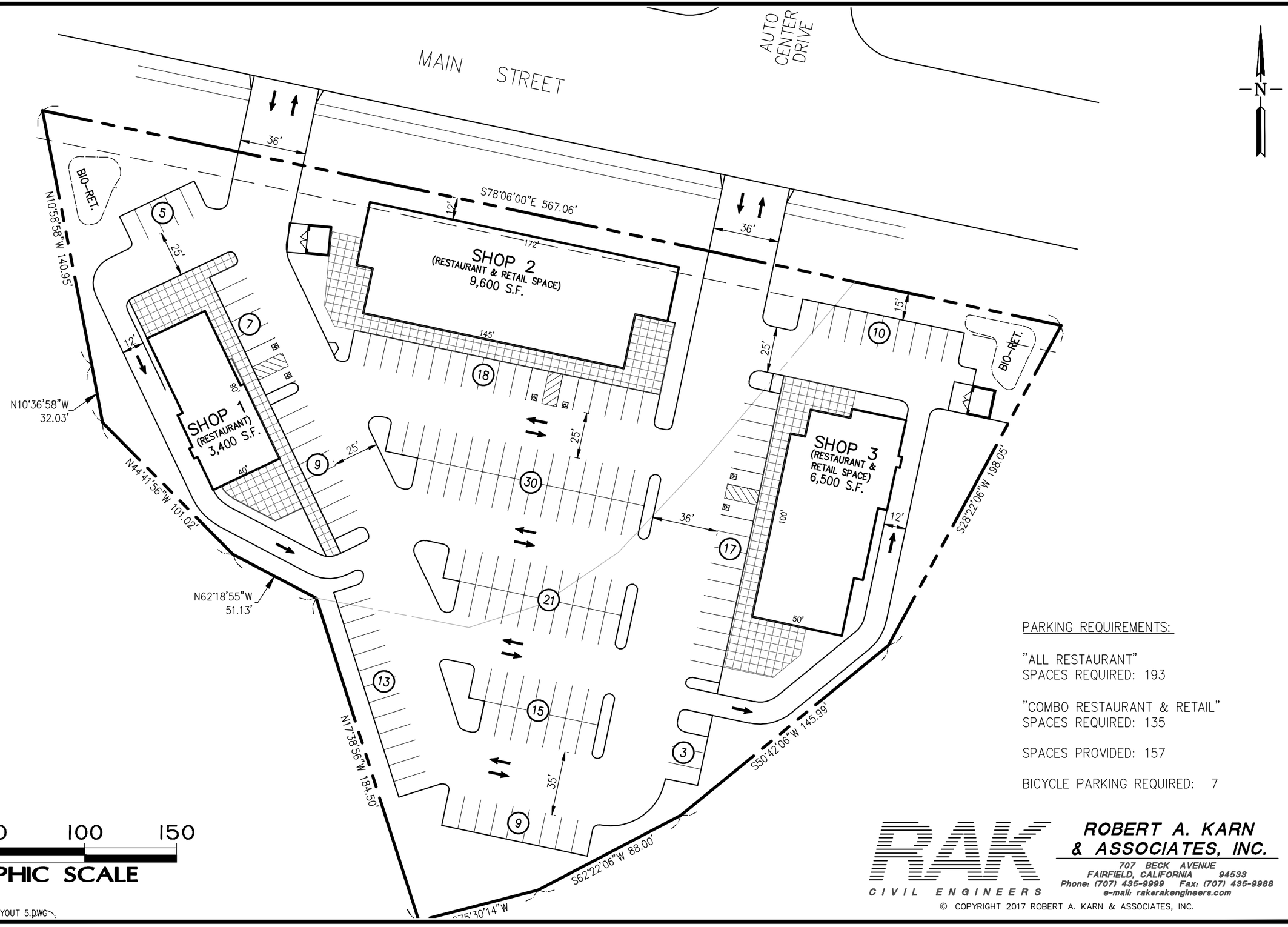
S:\A17026\DWG\A17026 PRE LAYOUT 5.DWG

RAK CIVIL ENGINEERS

ROBERT A. KARN & ASSOCIATES, INC.

707 BECK AVENUE
FAIRFIELD, CALIFORNIA 94533
Phone: (707) 435-9999 Fax: (707) 435-9988
e-mail: rakerakengineers.com

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PARKING REQUIREMENTS:

"ALL RESTAURANT"
SPACES REQUIRED: 193

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SPACES REQUIRED: 135

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BICYCLE PARKING REQUIRED: 7

0 50 100 150

GRAPHIC SCALE

PLOT DATE: February 16, 2018

S:\A17026\DWG\A17026 PRE LAYOUT 5.DWG

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Environmental
Investigation Services, Inc.

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

999, 1017, 1035, 1039 & 1075 Main Street
APNs 018-261-014 & 018-261-029
Watsonville, California

PREPARED FOR:

Charles Canfield
C/o Coldwell Banker
Campos Real Estate
617 East Lake Avenue
Watsonville, California 95076

PROJECT No. 421-1

July 1, 2004

PREPARED BY:



Peter Littman, REA

Environmental Investigation Services, Inc.
417 Racquet Landing
Aptos, CA 95003

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EDR Database Report

I. EXECUTIVE SUMMARY

Environmental Investigation Services Inc. (EIS) has completed an Environmental Site Assessment (ESA) of the commercial properties at 999, 1017, 1035, 1039 & 1075 Main Street in Watsonville, California. Peter Littman Cal EPA Registered Environmental Assessor completed this report according to ASTM Standards.

This Executive Summary is provided solely for the purpose of overview. Any party who relies on this report must read the full report. The Executive Summary omits a number of details, any one of which could be crucial to the proper understanding and risk assessment of the subject matter.

In the professional opinion of EIS an appropriate level of inquiry has been made into the previous ownership and uses of the subject property consistent with good commercial and customary practice in an effort to minimize liability, and no evidence or indication of Recognized Environmental Conditions has been revealed, except the historical gasoline station and truck stop use of 1035 Main Street for approximately twenty-five years from the 1950's through the 1970's.

The subject property was inspected on June 25, 2004. The subject property is composed of two parcels of land that are approximately 3.2 total acres of commercial land to the south of Main Street opposite Auto Center Drive. Four commercial buildings with asphalt parking areas occupy the subject property. Because of the age of the buildings, constructed prior to the 1970's, they may have asbestos containing materials present.

No manufacturing of toxic, inflammable materials, or petrochemicals was observed at the subject property during EIS's site visit. There was no evidence of the on-site disposal of toxic, flammable, or hazardous materials observed on the subject properties.

Historically, there was record of two 6,000-gallon gasoline USTs and one 6,000-gallon diesel UST on the subject property for approximately 25 years at 1035 Main Street in the City of Watsonville Fire Department records and in the assessor's records. The three USTs were removed under permit with the City of Watsonville Fire Department on October 5, 1984. No soil samples were collected during the UST removals. The fire inspector noted that each UST was in good shape, no leaks or no indication of any flammable liquids were in the hole after the USTs were removed. No records of current UST's were found in the regulatory files. The historical presence of these USTs on the subject property is a recognized environmental concern.

Historically, the subject property building located at 999 Main Street appears to have been present since at least 1963. The site address has been listed as occupied since at least 1970. Several businesses have occupied this site address: a retail boat shop, auto repair shops, a family fun center, a bus line company, a truck rental companies, retail stores, small businesses, and a used car dealership.

Historically, the subject property at 1017 Main Street (listed as 975 Main Street) was constructed in approximately 1956 and occupied since at least 1990 by an auto repair shop. It was listed as vacant in 1995. By 1997, this site address was occupied by a piñata manufacturer through at least 2000.

Historically, the subject property located at 1035 Main Street (listed as 609 Hwy 1 from 1956-57 through 1969) was occupied by truck stops and repair shops, gasoline stations, a tire shop, a welding service, and food services beginning from approximately 1945 through at least 1977. In 1980, the site address was not listed. It was listed again in the early 1980's. At this time, the site address changed occupancy a few times. Occupants in the 1980's included a health clinic, a food bank, a food nutrition center, a restaurant, and a small business. By 1990, it was occupied shortly by a retail pet supply shop. In the early 1990's, 1035 Main Street was listed as vacant until at least 1995 when it was occupied by a nightclub through at least 2000.

The 1039 Main Street address was not listed in Santa Cruz County or City of Watsonville directories.

Historically, the subject property located at 1075 (formerly listed as 615 Hwy 1 from 1956-1957 through 1969) was constructed in approximately 1945 and occupied since at least 1950 through the present by several different restaurants.

According to the City of Watsonville Fire Department records from 1968 through 1971, the tenants of the subject property dumped combustible material including: hay, tires, lumber, old cars and parts over the bank on the west side of the subject property, there were old cars abandoned at the rear of the subject property, there were old tires stacked on-site, and there was heavy grease accumulation on a concrete slab, and some oil splashed on the side of a subject property building.

Main Street borders the subject property to the north, a slough borders the subject property to the east and south, and Ramsay Park borders the subject property to the west.

Based on the EDR database list review, there are no NPL, CAL sites, CERCLIS or RCRA TSD sites, located within 1 mile to the subject property. There are 8 Leaking Underground Storage Tank (LUST) sites located within ½ mile of subject property. According to the EDR report two of the LUST sites are located within 1,000 feet and in hydraulically upgradient locations from the subject site. These two sites have had limited soil and groundwater contamination and have had soil remediation performed. They are currently in the processes of remediation for groundwater contamination limited to their respective properties with oversight by the Santa Cruz County Environmental Health Department (SCCEHD) and the Regional Water Quality Control Board. These two sites are unlikely to have impacted the subject property's soil and groundwater resources based on the ¼ mile distance from the subject property.

The groundwater flow in the area has been measured flowing to the southeast. The remainder of the fuel leaks are located more than 1,000 feet from the subject property and in hydraulically downgradient directions; they are not likely to impact the subject property's soil or groundwater resources.

II. CONCLUSIONS AND SPECIFIC RECOMMENDATIONS

EIS recommends additional investigation in the area of the former two gasoline and one diesel underground storage tanks to determine if historical storage and use of fuels impacted the subject properties soil and groundwater resources.

EIS recommends cleaning up the area inside and around the tire repair shop and disposing of any junk tires, parts and automobiles not being used or repaired.

EIS recommends an asbestos inspection prior to renovation or demolition of any of the buildings on the subject property.

EIS recommends checking under vegetation in the area on the west side of the subject property where there was historical dumping of auto related materials.

III. SCOPE OF WORK

This Phase I Environmental Assessment (ESA) was prepared in accordance with *EIS's*, Proposal No. 421-1 with respect to the residential property located at 999, 1017, 1035, 1039 & 1075 Main Street identified at assessor's parcel numbers (APNs) 018-261-014 & 018-261-029 in Watsonville, California. This was an investigation in general accordance with industry guidelines. The work conducted by *EIS* is limited to the services agreed to with Mr. Charles Canfield, and no other services beyond those explicitly stated should be inferred or are implied.

The objective of this Environmental Site Assessment was to evaluate the subject site for potential recognized environmental concerns as outlined in the standards reference above. *EIS's* professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in the location of the subject site at the time of our investigation. This warranty is in lieu of all other warranties, expressed or implied.

Our professional judgment regarding the potential for environmental impacts is based on limited data and our investigation was not intended to be a definitive investigation of contamination at the site. Unless specifically set forth in our proposal, the scope of work did not include groundwater, soil sampling or other subsurface investigations, a strict compliance audit of the site, or a review of the procedures for hazardous material use, waste storage or handling prior to disposal, or for personnel safety and health training and monitoring procedures, analyses of radon, formaldehyde, lead paint, asbestos and other hazardous materials or indoor air quality, occupational health and safety or wetlands surveys.

Regarding any subsurface investigation, sampling undertaken or subsurface reports reviewed, our opinions are limited to only specific areas and analytes evaluated and *EIS* will not be held accountable for analyte quantities falling below recognized standard detection limits for the laboratory method utilized. *EIS* does not warrant or guarantee the subject property suitable for any particular purpose, or certify the subject site as "clean" or free on contamination. As with any assessment, it is possible that past or existing contamination remains undiscovered.

The professional opinions set forth in this report are based solely upon and limited to *EIS's* visual observations of the site and the immediate site vicinity, and upon *EIS's* interpretations of the readily available historical information, interviews with personnel knowledgeable about the site, and other readily available information. Consequently, this report is complete and accurate only to the extent that cited reports; agency information and recollections of persons interviewed are complete and accurate.

The opinions and recommendations in this report apply to site conditions and features, as they existed at the time of *EIS's* investigation. They cannot necessarily apply to conditions and features of which *EIS* is unaware and has not had the opportunity to evaluate. Future regulatory modifications, agency interpretations, and/or policy changes may also affect the compliance status of the subject property. *EIS* has made no attempt to address future financial impacts to the site (e.g., reduced property values) as a result of potential subsurface contaminant migration.

This Phase I Environmental Assessment was prepared for the sole and exclusive use of Charles Canfield, the only intended beneficiaries of our work. This report is intended exclusively for the purpose outlined herein and the site locations and project indicated and is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this assessment. The scope of services performed in execution of this investigation may not be appropriate to satisfy other users, and any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of the user. This report is not a specification for further work and should not be used to bid out any of the recommendations found within.

IV. SURVEY FINDINGS

A. GENERAL INFORMATION

1. PROPERTY NAME AND ADDRESS: The subject property is occupied by five site addresses: 999, 1017, 1035, 1039 and 1075 Main Street in Watsonville. 999 Main Street is occupied by Auto Truck Depot Park and Sell, Eclipse Window Tinting, and JV Towing Rafael & Son Auto Service, 1017 Main Street is occupied by Los Pelones Tires and Wheels, 1035 Main Street is occupied by Street Scene, 1039 Main Street is occupied by Mi Rancho Carniceria/Maranchito Supermercado, and 1075 Main Street is occupied by Taqueria Mundial.

2. FACILITY/SITE DESCRIPTION: The subject property was inspected on June 25, 2004. The subject property is composed of two parcels of land, APNs 018-261-014 and 018-261-029 that are approximately 1.8 and 1.4 acres respectively on the south side of Main Street, opposite Auto Center Drive.

   Four commercial buildings with asphalt parking areas occupy the subject property. 999 Main Street is a 2,400 square foot (SF) building located on the east side of the subject property. Three business suites occupy the building: a used car lot, a window tinting business, and an auto service and towing business. Used cars and cars awaiting repair are parked in the asphalt parking area that surrounds the building.

   1017 Main Street is a 1,464 SF building located on the south side of the subject property behind the 1035 & 1039 Main Street building. A tire repair shop occupies the building. Asphalt parking is located to the east, north, and west of the building. A large number of old tires are stored in a fenced yard behind the building. Approximately 25 cars in need of repair are located in front of this building.

   1035 &1039 Main Street is a 7,113 SF building located in the middle of the subject property. One half of the building is occupied by an auto parts store and the other half is occupied by a grocery store. Asphalt parking surrounds the building.

   1075 Main Street is a single story, 3,651 SF building located on the west side of the subject property. A restaurant occupies the building. Asphalt parking is located near the front entrance of the building.

3. CURRENT USE OF PROPERTY: The subject property is occupied by seven businesses: a used car lot, a window tinting business, an auto service and towing business, an auto repair shop, an auto parts store, a grocery store, and a restaurant. Asphalt parking surrounds these businesses.

4. HISTORICAL USE OF PROPERTY: Historical aerial photographs from 1997, 1989, 1985, 1987, 1982, 1972, 1971, 1963, 1956, 1948, and 1939 were reviewed at the map library at UCSC Science Library.

The aerial photographs from 1997, 1987, and 1982 revealed no changes in the current configuration of the subject property. There appeared to be four buildings on the subject property. A semi-circular shaped building appeared on the west side of the subject property. A second larger rectangular building appeared in the middle of the subject property. A third smaller square-like building appeared on the southern side of the subject property, behind the larger building. A fourth building appeared on the eastern side of the subject property. In the 1997 photograph, parked cars appeared behind the fourth building to the south and east.

In the 1989 photograph, the only significant change was there appeared to be a sand bar-like feature on the southern edge of the subject property behind the 1017 Main Street building. There appeared to be a significant number of parked cars in the parking area near the 1017 Main Street building.

In the 1985 photograph, the only significant change was there appeared to be a miniature racecar track on the east side of the 999 Main Street building.

In the 1972 photograph, there appeared to be a large concrete pad in front of the 1035 & 1039 Main Street building in the middle of the subject property. It appeared that approximately six semi-trucks were all parked parallel to the building on and around the concrete pad. The subject property appeared to have this configuration in the 1971 and 1963 photographs.

In the 1956 photograph, the 999 Main Street building did not appear on-site. There appeared to be at least half a dozen semi-trucks parked on the eastern side of the subject property, and around an island-like structure in the middle of the subject property, again parked in parallel fashions. In the 1948 photograph, the subject property appeared to have the similar configuration.

In the 1939 photograph, the subject property appeared as an open field.

According to Santa Cruz County and City of Watsonville directories, 999 Main Street has been occupied since at least 1970. Custom Speed Marin Boats occupied 999 Main Street beginning in the early 1970's. P&G Auto Repair occupied this site address in the mid-1970, and Watsonville Automatic Transmission occupied the address from the late 1970's through the early 1980's. From the mid-late 1980's, the address was occupied by Family Fun Center. By at least 1987 through the early 1990's, it was occupied by Greyhound Bus Lines. U-Haul Company occupied the 999 Main Street address from the early 1990's through the late 1990's. In the 1990's, the site address was also occupied by various other retail businesses such as Western Union Transfer, Audes Hair Designs, Video Mex, Laestrella Store, Rydee Truck Rental, Watsonville Kung Fu Club, and Carrillo Tires. By at least 2000, a current occupant, Auto Truck Depot Park and Sell occupied the subject property.

According to Santa Cruz County and City of Watsonville directories, 1017 Main Street (listed as 975 Main Street) was occupied since at least 1990 by Chaz Auto Service. It was listed as vacant in 1995. By 1997, this site address was occupied by Marquez Bros Piñata through at least 2000.

According to Santa Cruz County and City of Watsonville directories, 1035 Main Street (formerly listed as 609 Hwy 1 from 1956-1957 through 1969) was first listed by 1950 through 1953 by Carroll's Truck Stop and Coffee Shop, and Chuck's Shell Service Gas Station. By 1956-1957, this site address was occupied by Jim's Shell Service, Carroll's Firestone Center, and Burkett's Welding Service. By 1960, 1035 Main Street remained occupied solely by Carroll's Firestone Center. In at least 1967, P&G Auto Repair Truck Stop occupied the site address. Bob's Truck Stop from at least 1969 through 1973 occupied the site address. By 1976 through at least 1977, 1035 Main Street was occupied by Ron Ahlport Exxon. In 1980, the site address was not listed. It was listed again in the early 1980's. At this time, the site address changed occupancy a few times. Occupants in the 1980's included Suclinica Salud Health Clinic, Emergency Food Bank, Food and Nutrition Services, Golden State Coffee, and Telephone Answering Service. By 1990, it was occupied shortly by Carpet Bank and Koe County Feed and Pet Store. In the early 1990's, 1035 Main Street was listed as vacant until at least 1995 when Conexion Musical Flamingos Club occupied it through at least 2000.

The 1039 Main Street address was not listed in Santa Cruz County or City of Watsonville directories.

According to Santa Cruz County and City of Watsonville directories, 1075 was listed (formerly listed as 615 Hwy 1 from 1956-1957 through 1969) was occupied since at least 1950 through at least 1973 by either Carroll's Drive-In Restaurant, Carroll's BBQ Restaurant, or Carroll's Windmill Restaurant. By 1976 through at least 1977, 1075 Main Street was occupied by Hacienda Restaurant. By 1980, the site address was occupied by The Old Mill: Millang and Mar-Sans Grooming and Pet. By 1983, the site address was occupied by El Molino Restaurant through at least 1987. From the 1990's through the present, several different restaurants including the Vallarta Restaurant, Petroutsas, Café Kokopell/Kokopelli's, Margaritas Grill, and the present occupant, Taqueria Mundial, occupied 1075 Main Street.

According to the Santa Cruz County Assessor, APN 018-261-029 has no improvements on file. The 999 Main Street, 1017 Main Street, 1035 Main Street and 1039 Main Street, and 1075 Main Street buildings occupy APN 018-261-014. The 999 Main Street building was constructed of steel in approximately 1962. No permits are on file with the assessor for this site address. The 1017 Main Street building (on file as 975 Main Street) is a steel building constructed in approximately 1956. The 1035 and 1039 Main Street building was originally

constructed of concrete block and totaled 6,700 SF, and the 1075 Main Street building was initially constructed of concrete brick and totaled 1,964 SF. Each of these two buildings was constructed in approximately 1945.

The subject property was outside of the Sanborn Fire Insurance Maps coverage areas. No Sanborn Fire Insurance Maps were reviewed for the subject property.

According to the City of Watsonville Fire Department records from 1968 through 1971, the tenants of the subject property dumped combustible material including: hay, tires, lumber, old cars and parts over the bank on the west side of the subject property, there were old cars abandoned at the rear of the subject property, there were old tires stacked on-site, and there was heavy grease accumulation on a concrete slab, and some oil splashed on the side of a subject property building.

There was record of two 6,000-gallon gasoline USTs and one 6,000-gallon diesel UST on the subject property for approximately 25 years at 1035 Main Street in the City of Watsonville Fire Department records and in the Santa Cruz County Assessor records. In a 1972 photograph on file with the assessor, there appeared to be gasoline pumps in the front of the 1035 and 1037 building.

The historical gasoline station and truck stop use of 1035 Main Street for approximately twenty-five years occurred from the 1950's through the 1970's. This historical use is considered a recognized environmental concern.

5. CURRENT USE OF SURROUNDING PROPERTIES: Main Street borders the subject property to the north, a slough borders the subject property to the east and south, and Ramsay Park borders the subject property to the west.

6. HISTORICAL USE OF SURROUNDING PROPERTIES: Aerial photographs were reviewed to identify prior land uses of the immediate surrounding properties. The aerial photo research revealed the following: in 1939 through 1956 photographs, surrounding properties appeared as agricultural fields. From 1963 until the present, the surrounding properties have appeared similar, as slough and park uses. No recognized environmental concerns appeared in the surrounding properties.

B. PHYSICAL CHARACTERISTICS

1. TOPOGRAPHY: The site is located in Santa Cruz County. According to a review of the Watsonville West Topographic Map, the elevation is approximately 45-50 feet above mean sea level. The topographic gradient slopes to the southeast at the subject property.

2. SOILS: According to a Geologic Map of Northern Monterey County and Southern Santa Cruz County, the soils of the general area of the subject property consists of

unconsolidated plastic clay and silty clay containing much organic material (Dupre and Tinsley, 1980).

3. VEGETATION: There is grass and there are trees on the south and southwest sides of the subject property. There are several palm trees outlining areas of the eastern and western sides of the subject property.

4. GEOLOGY: According to a Geologic Map of Northern Monterey County and Southern Santa Cruz County, the subject property is located within one mile of the Pajaro River. The geology of the region as described on the map consists of basin deposited clays with an interbedded thin layer of silt and silty sands (Dupre and Tinsley, 1980).

5. HYDROLOGY: Information received from the SCCEHD regarding other sites in the local vicinity indicates that the local groundwater flow is to the southeast. The depth to water at a nearby site within 1,000 feet ranges from 20-30 feet below ground surface.

   No water reservoirs or ponds were observed at the subject property. In review of historic aerial photographs of the site and an U.S. Geological Survey Topographical Map, surface impoundments are not known to have existed on the subject property prior to its development. The site does not fall under the requirements of the National Pollutant Discharge Elimination System (NPDES).

C. NATURAL HAZARDS

1. FLOOD ZONE: According to flood zone maps, the subject property is not within the 100-year flood zone.

2. SEISMIC: No known active faults are believed to exist within the site, and fault rupture is therefore not anticipated. Strong ground shaking can be expected at the site during moderate to severe earthquakes in the general region from the San Andreas Fault.

3. RADON: Radon gas is a by-product of uranium. The gas forms as uranium molecules eject some protons and neutrons from their nuclei changing first into thorium, then radium, and finally radon. Radon tends to accumulate in uranium-rich metamorphic rocks, glacial moraines and till deposits derived from uranium-bearing rocks, marine organic shales, soils derived from carbonate rocks, and uranium-containing alluvial sediments deposited by rivers, deltas, lakes, etc. Outgasing of radon has not been identified as a problem in the County of Santa Cruz. According to radon survey results published by the Department of Health Services, the arithmetic mean or average for all measurements carried out in Region 2, Watsonville location, is 1.1-pico curies per liter of air (pCi/l). The level above which the U.S. Environmental Protection Agency recommends that action be taken to reduce radon levels is 4 pCi/l.

4. SENSITIVE ECOLOGICAL AREAS: The Pajaro River is located one mile east of the subject property. The Harkin Slough is located within 1/8 of a mile south of the subject property.

5. MASS WASTING: No physical evidence of mass wasting, such as landslides or ground subsidence, was observed at the subject property.

D. SITE CHARACTERISTICS

1. PARKING: There is asphalt parking in front of and surrounding the buildings throughout the subject property.

2. ROADWAYS: The subject property is located to the south of Main Street opposite Auto Center Drive.

3. FENCING: There is no fencing on the subject property.

4. STORAGE: There are no exterior storage areas besides an old tire storage yard behind the 1017 Main Street building.

5. EASEMENTS: Other than public utilities, there are no easements on the subject property.

6. WELLS: There are no wells on the subject property.

7. SUMPS: There are no sumps on the subject property.

8. DITCHES: There are no drainage ditches on the subject property.

9. CATCH BASINS: No catch basins were observed on the subject property.

10. SEWAGE SYSTEM: Sewage service is provided by the City of Watsonville for the subject property.

11. POTABLE WATER SYSTEM: There is potable water available to the subject property from the City of Watsonville or Pajaro Valley Water District, the local water provider.

12. WASTE WATER SYSTEM: No wastewater is currently generated at the subject property.

E. HAZARDOUS MATERIALS AND OPERATIONAL SYSTEMS

1. BUILDING STRUCTURE: There are four commercial buildings on the subject property. Because these structures were constructed in the 1940's through 1960's, a thorough asbestos inspection is recommended prior to renovation or demolition.

2. INDUSTRIAL EQUIPMENT: There are aboveground hoists located in the auto repair and tire repair shops.

F. TOXICS, COMPRESSED GASES, AND PETROCHEMICALS

1. MANUFACTURE/USE: No manufacturing of toxic, hazardous materials, or petrochemicals was observed at the subject property during EIS's site visit. No reportable quantities of hazardous materials are used on the subject property.

2. STORAGE: A large number of old tires are stored in a fenced yard behind the 1017 Main Street building. Approximately 25 cars in need of repair are located in front of this building. In the rear of the 999 Main Street building asphalt-parking area, used cars are parked in the "For Sale Lot".

3. DISPOSAL: No hazardous waste is disposed of on the subject property according to the SCCEHD records.

UNDERGROUND STORAGE TANKS: There was no evidence of current UST use noted during the inspection. The SCCEHD has no record of any present UST's at the subject property, and during the site inspection there was no evidence of vent pipes, fill pipes, underground vaults, that would suggest the presence of USTs. But historically, there was record of two 6,000-gallon gasoline USTs and one 6,000-gallon diesel UST on the subject property for approximately 25 years at 1035 Main Street in the City of Watsonville Fire Department records and in the Santa Cruz County Assessor's records. The three USTs were removed under permit with the City of Watsonville Fire Department on October 5, 1984. No soil samples were collected during the UST removals. The fire inspector noted that each UST was in good shape, no leaks or no indication of any flammable liquids were in the hole after the USTs were removed. No records of current UST's were found in the regulatory files. The historical presence of these USTs on the subject property is a recognized environmental concern.

4. ABOVEGROUND STORAGE TANKS: There are no aboveground storage tanks on the subject property. There is no evidence of historical use of above ground storage tanks on the subject property.

G. POLLUTION SOURCES, CONTROLS, AND TREATMENT

1. AIR: The subject property has not been recorded as a source of air pollution by any regulatory agency.

2. SOIL AND GROUNDWATER: No previously documented soil and groundwater investigations have been performed at the subject property.

3. SOLID WASTE: Junk auto parts and tires were observed around the tire repair shop.

4. HAZARDOUS WASTE: No reportable quantities of waste materials are stored on the subject property.

H. ON-SITE AND OFF-SITE ENVIRONMENTAL CONCERNS

A database search was conducted of a neighboring site and all surrounding sites by Environmental Database Reports (EDR). EDR database search distances were in accordance to the ASTM standards. The following lists were searched for a mile radius of the neighboring site; the U.S. Environmental Protection Agency (EPA) National Priorities List (NPL) sites list, the EPA corrective actions and associated treatment, storage, and disposal (CORRACTS-TSD) facility list, the State equivalent priority list (SPL). The following lists were searched within a ½ mile radius of the neighboring site; the CERCLIS NFRAP list, the EPA treatment, storage, and disposal facilities (TSD) list, the state equivalent CERCLIS list (SCL), the leaking underground storage tanks list (LUST), the solid waste landfills, incinerators, or transfer stations (SWLF) list, the sites with deed restrictions (DEED RSTR), the CORTESE list, and the toxic pits cleanup facilities list. The following lists were searched within a 1/4 mile radius of the neighboring site: The Resource Conservation and Recovery Information system – violations/enforcement actions (RCRIS-Viol), the Toxic Release Inventory Database (TRIS), and the registered underground or aboveground storage tanks (UST/AST) list. The Emergency Response Notification System (ERNS), the EPA RCRA generator list, was searched for adjacent sites and the neighboring site. The search radius and site map and the results of the database search are found tabulated below and in a copy of the EDR ASTM report in Appendix C. The subject property was not listed on any of the database searches.

Agency List	Search Radius	Number of Sites
NPL	1 mile	None
CERCLIS/NFRAP	0.5 mile	None
RCRA TSD	1 mile	None
RCRA Generator	Site & Adjacent	None
UST	Site & Adjacent	None
CAL SITES	1 mile	None
SWLF	0.5 mile	None
LUST	0.5 mile	8
SLIC	0.5 mile	None

Based on the EDR database list review, there are no NPL, CAL sites, CERCLIS or RCRA TSD sites, located within 1 mile to the subject property. There are 8 Leaking Underground Storage Tank (LUST) sites located within ½ mile of subject property. Two of the LUST sites are located within 1,000 feet and in hydraulically upgradient locations from the subject site. These two sites have had limited soil and groundwater contamination and have had soil remediation performed. They are currently in the processes of remediation for groundwater contamination limited to their respective properties with oversight by the SCCEHD and the Regional Water Quality Control Board. These two sites are unlikely to have impacted the subject property's soil and groundwater resources based on the ¼ mile distance from the subject property. One of the sites, Ultramar Beacon at 1180 Main Street, is located upgradient and has groundwater contamination. This offsite concern is located over 1/6 of a mile away and is considered unlikely to impact the subject property's resources.

According to a review of SCCEHD files of nearby sites, the groundwater flow in the area has been measured flowing to the southeast. The remainder of the fuel leaks are located more than 1,000 feet from the subject property and in hydraulically downgradient directions; they are not likely to impact the subject property's soil or groundwater resources.

There are no offsite concerns from the database list considered likely to impact the subject property based on hydraulic gradient, site distance, and regulatory status.

V. INFORMATION SOURCES

A. ENVIRONMENTAL STUDIES

- Aerial Photographs from 1997, 1989, 1985, 1987, 1982, 1972, 1971, 1963, 1956, 1948, and 1939, UCSC Science Library, Santa Cruz, CA
- U.S.G.S. 7.5 Minute Topographic Map. Watsonville West Quadrangle.
- Geology of California. Norris & Webb, 1976.
- Haines and Polk Directories, Santa Cruz County Directory 1940-1975, 1976 - 2003, not inclusive.
- Environmental Database Reports (EDR) Transaction Screen Map Report for neighboring property, Watsonville, November 10, 2003.

B. ASSESSORS & BUILDING DEPARTMENT

- Santa Cruz County Assessors Department, Santa Cruz, CA.
- City of Watsonville, Building and Planning Department

C. ENVIRONMENTAL HEALTH

- Santa Cruz County Environmental Health Services, Santa Cruz, CA.

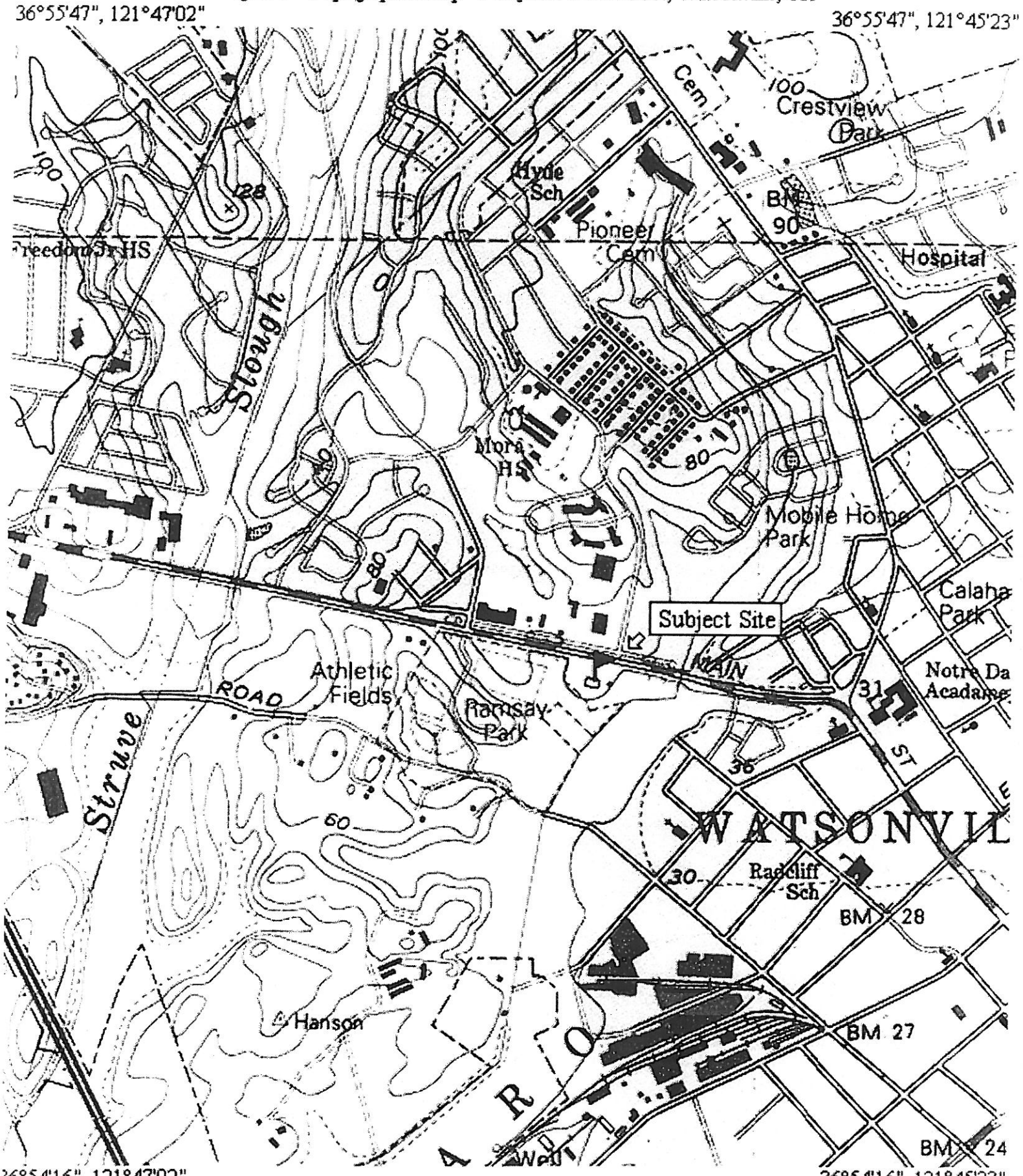
D. WATER QUALITY

- California Water Resources Control Board, Sacramento.
- Central Coast Region, Water Quality Control Board.

APPENDIX

FIGURES

Figure 1 - Topographic Map - 975 _1035 Main Street, Watsonville, CA

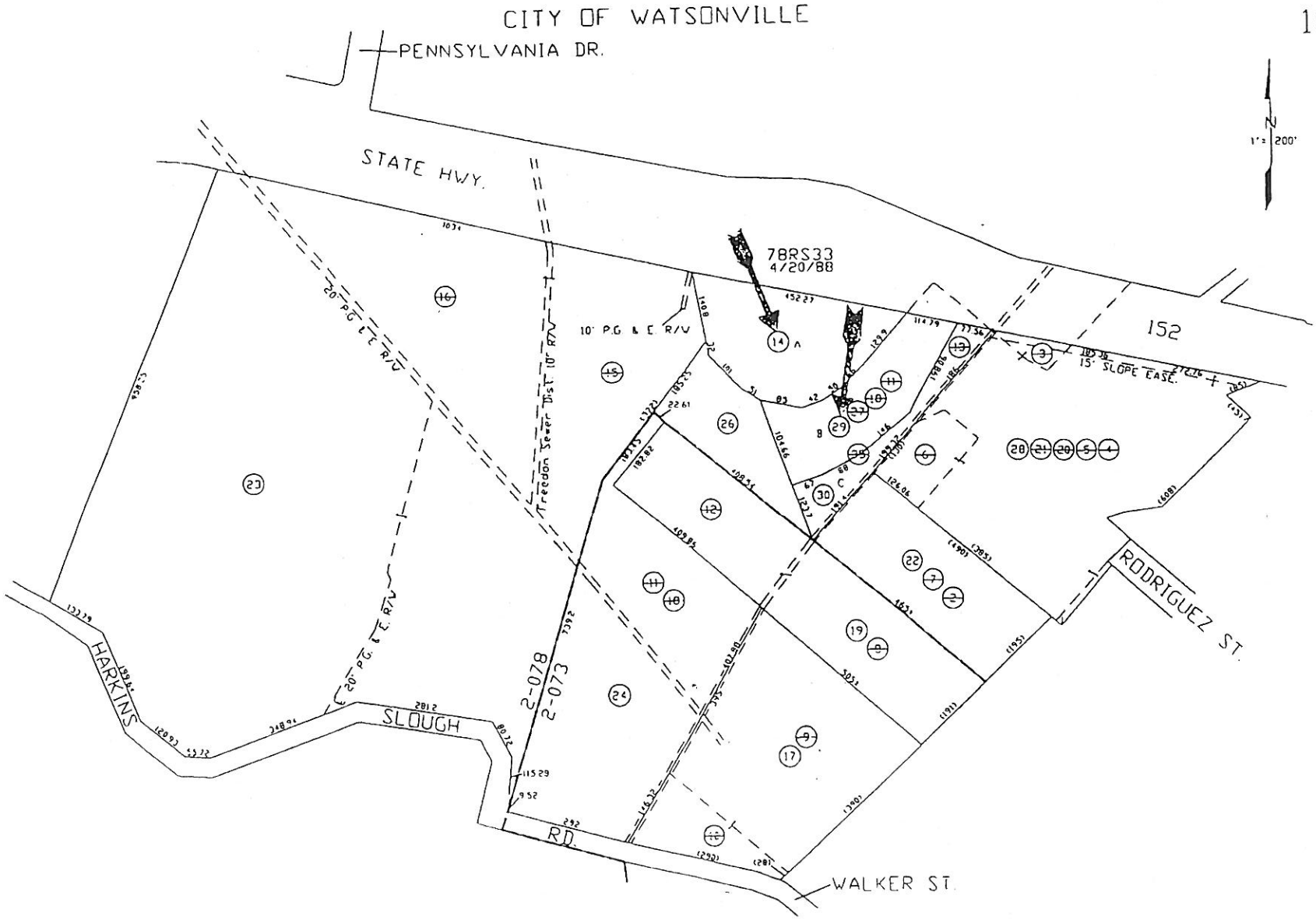


TN 15° MN

0 1/2 1 MILE

1000 0 1000 2000 3000 4000 FEET

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Source:Santa Cruz County Assessor	Parcel Map	Figure 2	Project #421-1
Environmental Investigation Services, Inc	973 & 1035 Main Street Watsonville, California		June, 2004

PHOTOGRAPHS



Photograph #1
View of Mexican Restaurant at 1075 Main Street.



Photograph #2
View of grocery market at 1039 Main Street. Concrete pad outside is approximate location of former underground tanks.



Photograph #3
View of front part of car and truck customizing shop at 1035 Main Street.



Photograph #4
View of fire hydrant in front parking area at the subject property.



Photograph #5
View of east side of the 1035 Main Street building and the parked cars awaiting repair.



Photograph #6
View of the 999 Main Street building.



Photograph #7
View of the tire repair shop behind the 1035 Main Street building.



Photograph #8
View of boat and miscellaneous market supplies stored behind the market.



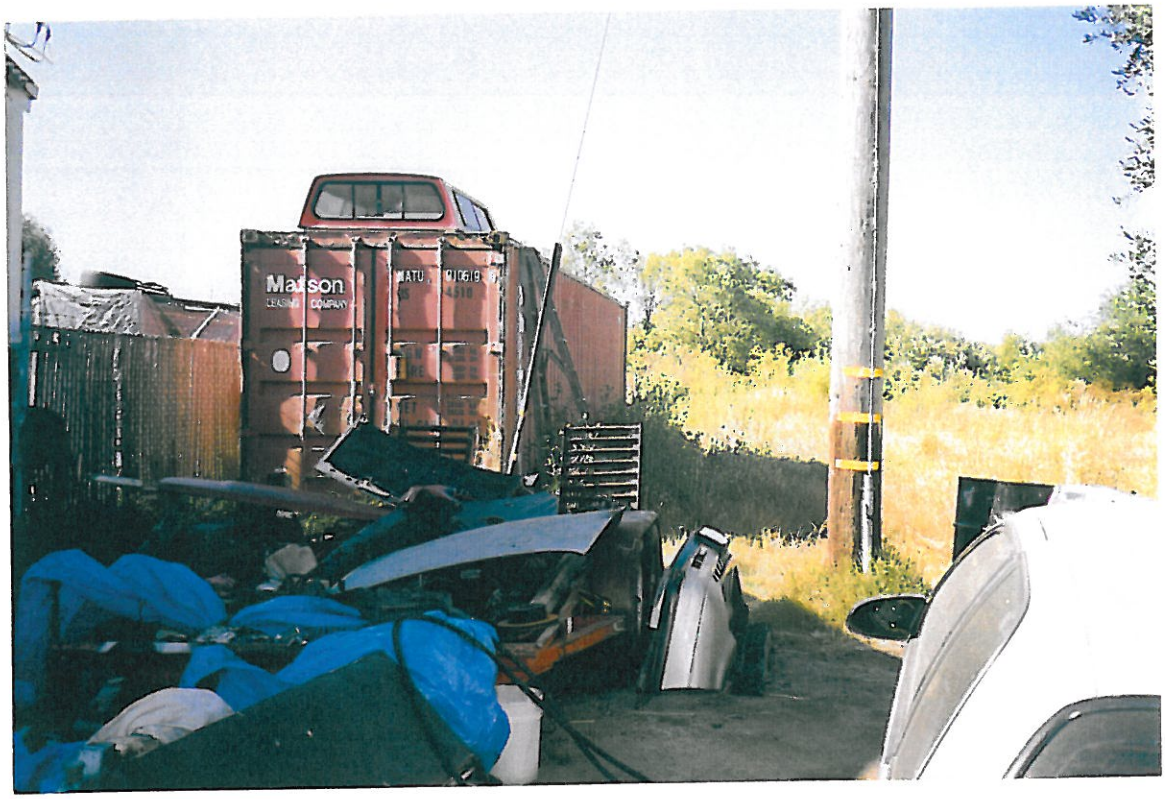
Photograph #9
View of the inside of the tire repair shop.



Photograph #10
View of the tire repair junk on the west side of the tire repair shop.



Photograph #11
View of the drain out front of the tire repair building.



Photograph #12
View of the automotive parts alongside the tire repair building.



Photograph #13
View of used tires stored outside the tire repair building.



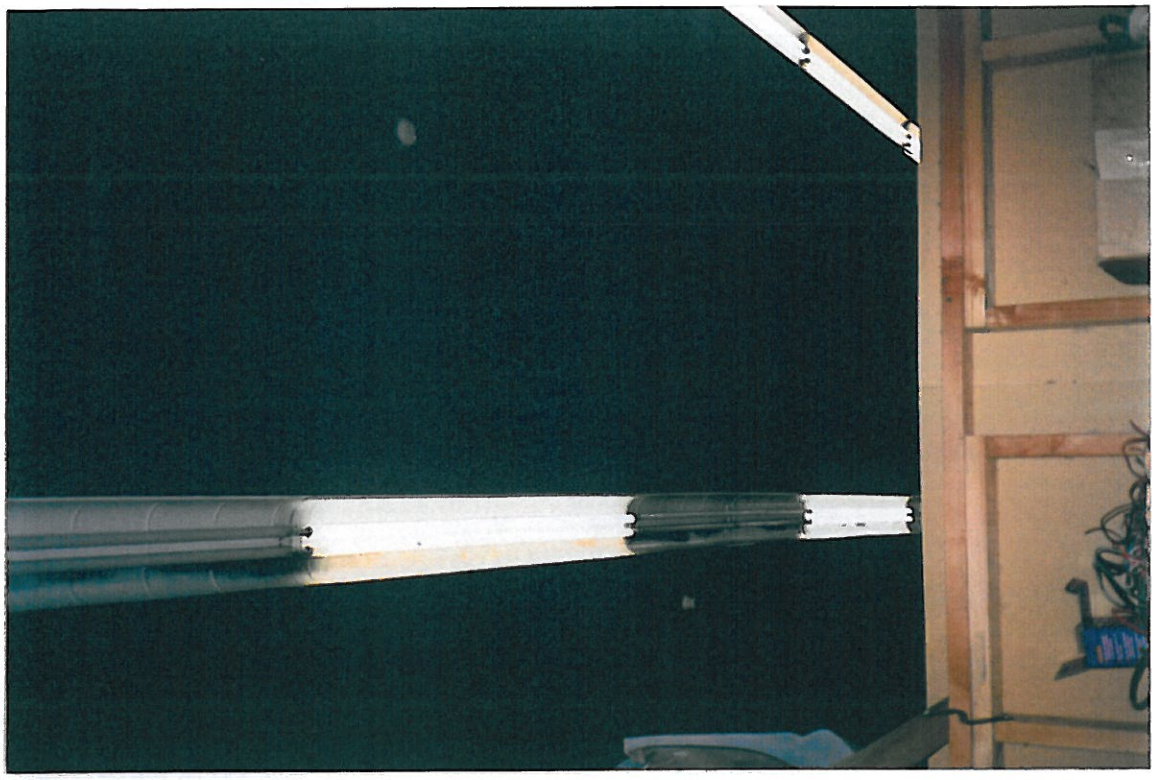
Photograph #14
View of more tires and junk outside the south side of the tire repair building.



Photograph #15
View of the undeveloped southern part of the subject property.



Photograph #16
View of the stained floor inside the tire repair shop.



Photograph #17
View of the ceiling tiles in the auto parts store.



Photograph #18
View of the floor tiles in the auto parts store.



Photograph #19
View of the inside of auto repair garage in the 999 Main Street building.



Photograph #20
View of rear of the 999 Main Street building where used cars are parked in the "For Sale Lot".



Photograph #21
View of the restaurant junk outside the restaurant.



Photograph #22
View of adjacent undeveloped property to the east.

EDR DATABASE REPORT

The EDR Transaction Screen™ Map Report

Watsonville Newspaper
1000 and 1100 Main Street
Watsonville, CA 95076

Inquiry Number: 01079459.1r

November 10, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Map Findings	5
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Government Records Searched / Data Currency Tracking Addendum	GR-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

The EDR-Transaction Screen Map Report is a screening tool which maps sites with potential liability or existing environmental liabilities. Specified government databases are searched in accordance with ASTM Standard E 1528-00.

The ASTM E 1528-00 Transaction Screen property due diligence standard consists of four major components: a government records check, an historical inquiry, an owner/occupant questionnaire, and a site survey. This report contains the results of the government records search on the target property and surrounding area in accordance with the government records search requirements of the ASTM E 1528-00 standard.

The results of the government records search in accordance with **QUESTIONS 21 and 22** (page 15, E 1528-00) of the standard indicated the following:

QUESTION 21

*Do any of the following **Federal** government record systems list the property or any property within the circumference of the area noted below:*

National Priorities List (NPL)	☐ on the property	☐ Within 1 Mile
CERCLIS List	☐ on the property	☐ Within 1/2 Mile
CERCLIS NFRAP List	☐ on the property	☐ Within 1/4 Mile
RCRA-CORRACTS Facilities	☐ on the property	☐ Within 1 Mile
RCRA-TSD Non-CORRACTS Facilities	☐ on the property	☐ Within 1/2 Mile
RCRA LQG Facilities	☐ on the property	☐ Within 1/4 Mile
RCRA SQG Facilities	☐ on the property	☒ Within 1/4 Mile
ERNS	☐ on the property	

QUESTION 22

*Do any of the following **state** government record systems list the property or any property within the circumference of the area noted below:*

AWP (State equivalent to NPL)	☐ on the property	☐ Within 1 Mile
CA Bond Expenditure Plan (State equivalent to NPL)	☐ on the property	☐ Within 1 Mile
State equivalent to NPL	☐ on the property	☐ Within 1 Mile
Cal-Sites	☐ on the property	☒ Within 1 Mile
Toxic Pits (State equivalent to CERCLIS)	☐ on the property	☐ Within 1/2 Mile
WMUDS/SWAT (State equivalent to CERCLIS)	☐ on the property	☐ Within 1/2 Mile
SWIS (Solid Waste/Landfill Facilities)	☐ on the property	☐ Within 1/2 Mile
Leaking Underground Storage Tank List (LUST)	☐ on the property	☒ Within 1/2 Mile
Underground Storage Tank List (UST)	☐ on the property	☒ Within 1/4 Mile

*In accordance with Section 5.6 (page 10, E 1528) If the answer is **(yes) or unknown**, then the user will have to decide what further action, if any, is appropriate. Answers should be evaluated in light of the other information obtained in the transaction screen process. If the user decides no further inquiry is warranted, the rationale must be documented. If the user decides that further inquiry is warranted, it may be necessary to contact an environmental professional.*

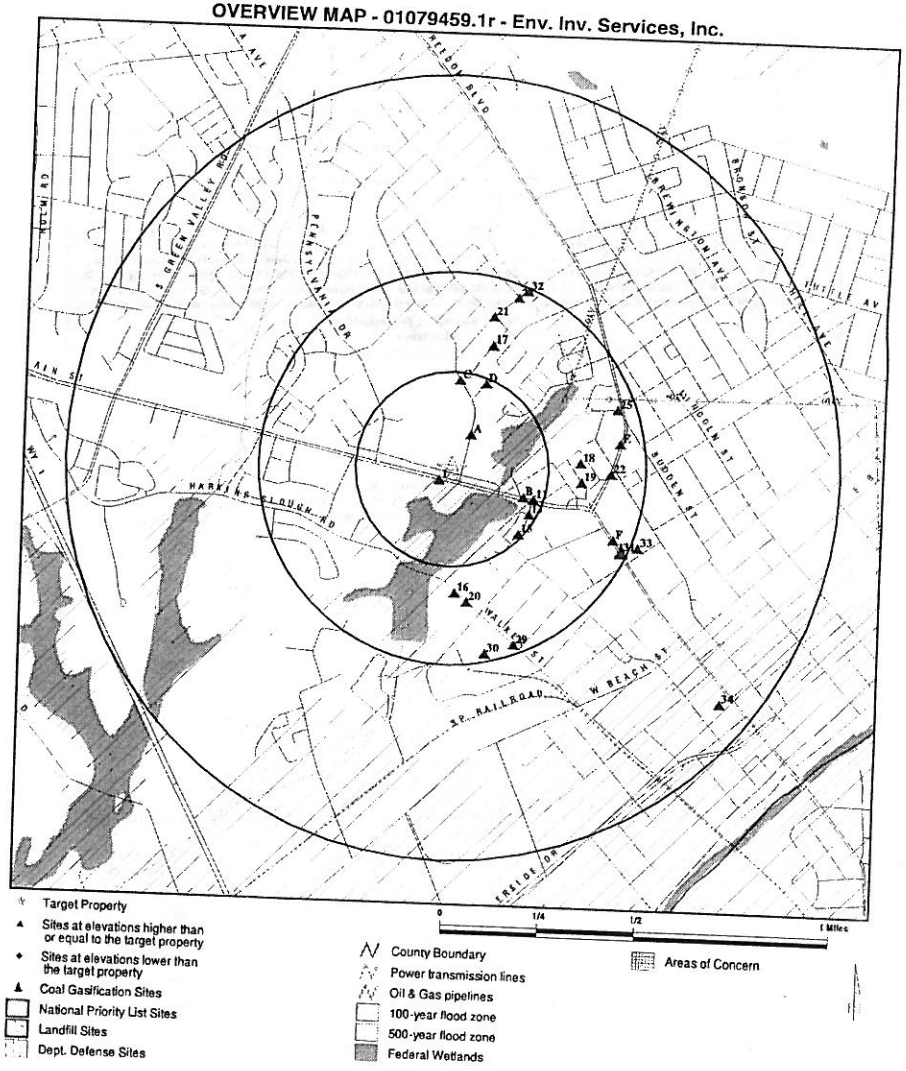
Additional Research - ASTM Supplemental Government Databases

To provide additional information which may assist in the assessment of other components of the ASTM E 1528-00 Transaction Screen, EDR also searches government databases ***not*** included in Questions 21 and 22 of ASTM E 1528-00. This information may be useful in completing the owner/occupant questionnaire.

The results of the search of these additional government records indicated affirmative **(yes)** responses on the target property for the following government databases:

No affirmative responses found in the non-ASTM E 1528-00 government databases.

OVERVIEW MAP - 01079459.1r - Env. Inv. Services, Inc.



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern

TARGET PROPERTY:	Watsonville Newspaper	CUSTOMER:	Env. Inv. Services, Inc.
ADDRESS:	1000 and 1100 Main Street	CONTACT:	Peter Littman
CITY/STATE/ZIP:	Watsonville CA 95076	INQUIRY #:	01079459.1r
LAT/LONG:	36.9164 / 121.7680	DATE:	November 10, 2003 12:32 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	2	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	1	0	NR	1
CHMIRS		0.500	0	3	11	NR	NR	14
Cortese		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	2	NR	2
Toxic Pits		0.500	0	0	0	NR	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	0	4	4	NR	NR	8
CA Bond Exp. Plan		0.500	0	0	0	NR	NR	0
UST		0.250	1	1	NR	NR	NR	2
VCP		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	2	3	NR	NR	NR	5
HIST UST		0.250	2	4	NR	NR	NR	6
FEDERAL ASTM SUPPLEMENTAL								
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		TP	NR	NR	NR	NR	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	1	0	NR	1
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 SW < 1/8 230 ft. Higher — **7-ELEVEN STORE #32323** — UST — U003433951 N/A

1461 MAIN ST
WATSONVILLE, CA 95076

State UST:
Facility ID: FA0003602
Region: STATE
Local Agency: 44000

A2 NNE < 1/8 477 ft. Higher — **MARTY FRANICH LINC MERC** — RCRIS-SQG 1000423147; FINDS CAD982020612; HAZNET; CA FID UST; HIST UST

555 ARTHUR RD
WATSONVILLE, CA 95076

Site 1 of 2 in cluster A

RCRIS:
Owner: ROCKY FRANICH AND BOB CULBERTSON
\(408\) 724-2463
EPA ID: CAD982020612
Contact: ROY BARNEY
\(408\) 724-2463
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System \(FRS\)
Resource Conservation and Recovery Act Information system \(RCRAINFO\)

HAZNET:
Gepaid: CAL000024234
TSD EPA ID: CAD009452657
Gen County: Santa Cruz
Tsd County: San Mateo
Tons: .4170
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: CULBERTSON FRANICH PROPERTIES
Telephone: \(000\) 000-0000
Mailing Address: PO BOX 391
WATSONVILLE, CA 95076
County Santa Cruz

Gepaid: CAL000024234
TSD EPA ID: CAD009452657
Gen County: Santa Cruz
Tsd County: San Mateo
Tons: .3961
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: CULBERTSON FRANICH PROPERTIES
Telephone: \(000\) 000-0000
Mailing Address: PO BOX 391
WATSONVILLE, CA 95076
County Santa Cruz

MARTY FRANICH LINC MERC \(Continued\) — 1000423147

FID:
Facility ID: 44000821 — Regulate ID: 00067692
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported — SIC Code: Not reported
Status: Active — Facility Tel: \(408\) 724-2463
Mail To: Not reported
PO BOX 391
WATSONVILLE, CA 95076
Contact: Not reported — Contact Tel: Not reported
DUNs No: Not reported — NPDES No: Not reported
Creation: 10/22/93 — Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

UST HIST:
Facility ID: 67692 — Tank Used for: WASTE
Tank Num: 1 — Container Num: 1
Tank Capacity: 1000 — Year Installed: 1983
Type of Fuel: Not Reported — Tank Construction: X centimeters
Leak Detection: None
Contact Name: DEALER — Telephone: \(408\) 724-2463
Total Tanks: 1 — Region: STATE
Facility Type: Other — Other Type: AUTO DEALER

A3 NNE < 1/8 529 ft. Higher — **MARTY FRANICH FORD** — RCRIS-SQG 1000840781; FINDS CAD089960116; CA FID UST; HIST UST

550 ARTHUR RD
WATSONVILLE, CA 95076

Site 2 of 2 in cluster A

RCRIS:
Owner: MARTY FRANICH
\(408\) 722-4181
EPA ID: CAD089960116
Contact: SCOTT STANSBERRY
\(408\) 722-4181
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System \(FRS\)
Resource Conservation and Recovery Act Information system \(RCRAINFO\)

MARTY FRANICH FORD \(Continued\) 1000840781

FID:

Facility ID:	44000807	Regulate ID:	00009573
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	\(408\) 722-4181
Mail To:	Not reported PO BOX 391 WATSONVILLE, CA 95076		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

UST HIST:

Facility ID:	9573	Tank Used for:	WASTE
Tank Num:	1	Container Num:	1
Tank Capacity:	0	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	ROCKY FRANICH	Telephone:	\(408\) 722-4181
Total Tanks:	3	Region:	STATE
Facility Type:	Other	Other Type:	AUTO DEALER
Facility ID:	9573	Tank Used for:	PRODUCT
Tank Num:	2	Container Num:	2
Tank Capacity:	1000	Year Installed:	Not reported
Type of Fuel:	UNLEADED	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	ROCKY FRANICH	Telephone:	\(408\) 722-4181
Total Tanks:	3	Region:	STATE
Facility Type:	Other	Other Type:	AUTO DEALER
Facility ID:	9573	Tank Used for:	WASTE
Tank Num:	3	Container Num:	3
Tank Capacity:	0	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not reported
Leak Detection:	None		
Contact Name:	ROCKY FRANICH	Telephone:	\(408\) 722-4181
Total Tanks:	3	Region:	STATE
Facility Type:	Other	Other Type:	AUTO DEALER

B4 **BEACON STATION 737** CA FID UST S101594688
ESE **1180 MAIN ST** N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1045 ft.
Higher **Site 1 of 5 in cluster B**

BEACON STATION 737 \(Continued\) S101594688

FID:

Facility ID:	44000028	Regulate ID:	00011120
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	\(408\) 724-9959
Mail To:	Not reported PO BOX 466 WATSONVILLE, CA 95076		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

B5 **ULTRAMAR BEACON #737** LUST S101304474
ESE **1180 MAIN ST** Cortese N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1045 ft.
Higher **Site 2 of 5 in cluster B**

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	632		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	44000		
Case Type:	Other ground water affected		
Status:	Remedial action \(cleanup\) Underway		
Abate Method:	Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants, Vent Soil - bore holes in soil to allow volatilization of contaminants		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	3/25/01	Remed Plan:	3/25/01
Remed Action:	3/25/01		
Monitoring:	10/1/94		
Close Date:	Not reported		
Release Date:	11/19/1985		
Cleanup Fund Id :	Not reported		
Discover Date :	/ /		
Enforcement Dt :	5/8/87		
Enf Type:	LET		
Enter Date :	07/09/1987		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date :	05/07/2002		
Max MTBE GW :	9700 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Medium priority		
Local Case # :	Not reported		
Beneficial:	MUN		

ULTRAMAR BEACON #737 \(Continued\) **S101304474**

Staff : MTK
GW Qualifier : =
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: 5.1
Operator : Not reported
Oversight Prgm: RB Lead Underground Storage Tank
Oversight Prgm : UST
Review Date : 09/25/2002
Stop Date : / /
Work Suspended : Not reported
Responsible Party ROBERT FISHBURN
RP Address: 685 WEST THIRD STREET
Global Id: T0608700262
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 17
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 3:
Case Number: 632 Release Date 11/19/1985
Cross Street: Not reported Enter Date: 07/09/1987
Basin Plan: 5.10
Global ID: T0608700262
Operator: Not reported
Quantity: Not reported
Local Case Num: Not reported
Priority: 2
Responsible Party ROBERT FISHBURN
Local Agency: 03 Regional Board: Central Coast Region
Discovered: Not reported Stop Date: Not reported
How Found: Tank Closure How Stopped: Not reported
Source: Other
Cause: UNK
Lead Agency: Regional Board
Case Type: Other ground water affected
Contact: Not reported Staff Initials: MTK
Facility Status: Remedial action \(cleanup\) Underway
Facility County: Santa Cruz
Abate Method: Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants, Vent Soil - bore holes in soil to allow volatilization of contaminants
Review Date: 09/25/2002 Funding: Not reported
Confirm Leak: Not reported Workplan: Not reported
Prelim Assess: Not reported Pollution Char: / /
Remedial Plan: 3/25/01 Remedial Action: 3/25/01
Monitoring: 10/01/1994 Close Date: Not reported
Enforce Type: LET
Enforce Date: 5/8/87 Pilot Program: UST
Interim Action: 0 Region: 3
Mtbe Concentratn 17
Mtbe Fuel: 1
Org Name: Not reported

ULTRAMAR BEACON #737 \(Continued\) **S101304474**

Assigned Name: 12S/02E-05K01 M
Dist From Well: 0
Well Name: WELL 17
Mtbe Class: A
Water System: CITY OF WATSONVILLE
Suspended : Not reported
Beneficial : MUN
Max MTBE Ground Water : 14000
Max MTBE Soil : Not reported
Max MTBE Data : 08/01/2002
MTBE Tested : YES
Lat/Long : 36.9181339 / -121.7707279
Soil Qualifier: Not reported
Groundwater Qualifier: =
UST Cleanup Fund ID: Not reported
Summary: GROUNDWATER CLEANUP IS PROGRESSING. VAPOR EXTRACTION SYSTEM DEPARTED FROM '91-'93. RETURN TO QUARTERLY MONITORING, ADDITIONAL SITE ASSESSMENT PROPOSED & APPROVED 6/24/99 REGARDING SUSPECTED NEW RELEASE.

CORTESE:
Reg Id: 632
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

B6 CHMIRS S100278678
ESE **1180 MAIN ST.** N/A
1/8-1/4 **WATSONVILLE, CA**
1045 ft.
Higher **Site 3 of 5 in cluster B**

CHMIRS:
OES Control Number: 8800282
Chemical Name: Not reported
Extent of Release: Not reported
Property Use: Mercantile, Business
Incident Date: 29-JAN-88
Date Completed: 29-JAN-88
Time Completed : 1445
Agency Id Number : 44080
Agency Incident Number : 881100
OES Incident Number : 8800282
Time Notified : 1414
Surrounding Area : 962
Estimated Temperature : 60
Property Management : P
More Than Two Substances Involved? : N
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : Not reported
Responding Agency Personel # Of Fatalities : Not reported
Resp Agncy Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported
Others Number Of Injuries : Not reported
Others Number Of Fatalities : Not reported

\(Continued\) S100278678

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 :	J. FRAGA, CAPT.
Report Date :	29-JAN-88
Comments :	No
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

B7 **FAST GAS** HIST UST U001602206
ESE **1180 MAIN ST** N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1045 ft.
Higher **Site 4 of 5 in cluster B**

UST HIST:

Facility ID:	11120	Tank Used for:	PRODUCT
Tank Num:	1	Container Num:	1
Tank Capacity:	10000	Year Installed:	1965
Type of Fuel:	REGULAR	Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test		
Contact Name:	Not reported	Telephone:	\(408\) 724-9959
Total Tanks:	3	Region:	STATE
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	11120	Tank Used for:	PRODUCT
Tank Num:	2	Container Num:	2
Tank Capacity:	10000	Year Installed:	1965
Type of Fuel:	UNLEADED	Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test		
Contact Name:	Not reported	Telephone:	\(408\) 724-9959
Total Tanks:	3	Region:	STATE
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	11120	Tank Used for:	PRODUCT
Tank Num:	3	Container Num:	3
Tank Capacity:	7500	Year Installed:	1965
Type of Fuel:	PREMIUM	Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test		
Contact Name:	Not reported	Telephone:	\(408\) 724-9959
Total Tanks:	3	Region:	STATE
Facility Type:	Gas Station	Other Type:	Not reported

FAST GAS \(Continued\) U001602206

B8 **BEACON STATION #5-737** UST U003786255
ESE **1180 MAIN ST** CA WDS N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1045 ft.
Higher **Site 5 of 5 in cluster B**

WDS:

Facility ID:	0		
Facility Contact	GARY BARKER	Facility Telephone	\(831\) 722-5249
SIC Code:	Not reported	SIC Code 2:	Not reported
Agency Name:	HORIZON ENVIRONMENTAL INC.		
Agency Address:	5011 GOLDEN FOOTSHILLS PKWY EL DORADO HILLS 95762		
Agency Contact:	GARY BARKER	Agency Phone:	\(916\) 939-2170
Design Flow:	0 Million Gal/Day	Baseline Flow:	0 Million Gal/Day
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste \(Class I, II or III\)		
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.		
Agency Type:	Private		
Waste Type:	Not reported		
Threat to Water:	Not reported		
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.		
Reclamation:	No reclamation requirements associated with this facility.		
POTW:	The facility is not a POTW.		
NPDES Number:	CAG993002 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board		
Subregion:	3		

State UST:

Facility ID:	FA0003211
Region:	STATE
Local Agency:	44000

C9 **PORTOLA MOTORS** RCRIS-SQG 1000415486
North **500 ARTHUR RD** FINDS CAD981445992
1/8-1/4 **WATSONVILLE, CA 95076** HAZNET
1113 ft. Cortese
Higher **Site 1 of 2 in cluster C** CA FID UST
HIST UST

PORTOLA MOTORS \(Continued\) 1000415486

RCRIS:
Owner: NOT REQUIRED
\(415\) 555-1212
EPA ID: CAD981445992
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System \(FRS\)
Resource Conservation and Recovery Act Information system \(RCRAINFO\)

HAZNET:
Gepaid: CAD981445992
TSD EPA ID: CAD093459485
Gen County: Santa Cruz
Tsd County: Fresno
Tons: .0000
Waste Category:
Disposal Method: Not reported
Contact: TODD MILLSLAGLE/MIKE MACHADO
Telephone: \(408\) 722-3522
Mailing Address: 500 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3728
County Santa Cruz

Gepaid: CAD981445992
TSD EPA ID: CAD093459485
Gen County: Santa Cruz
Tsd County: Fresno
Tons: .0291
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Contact: TODD MILLSLAGLE/MIKE MACHADO
Telephone: \(408\) 722-3522
Mailing Address: 500 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3728
County Santa Cruz

Gepaid: CAD981445992
TSD EPA ID: CAD980887418
Gen County: Santa Cruz
Tsd County: 1
Tons: 1.8346
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: TODD MILLSLAGLE/MIKE MACHADO
Telephone: \(408\) 722-3522
Mailing Address: 500 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3728
County Santa Cruz

PORTOLA MOTORS \(Continued\) 1000415486

Gepaid: CAD981445992
TSD EPA ID: CAD008302903
Gen County: Santa Cruz
Tsd County: Los Angeles
Tons: .1251
Waste Category: Oxygenated solvents \(acetone, butanol, ethyl acetate, etc.\)
Disposal Method: Recycler
Contact: TODD MILLSLAGLE/MIKE MACHADO
Telephone: \(408\) 722-3522
Mailing Address: 500 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3728
County Santa Cruz

Gepaid: CAD981445992
TSD EPA ID: CAL000161743
Gen County: Santa Cruz
Tsd County: Santa Clara
Tons: 3.9195
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: TODD MILLSLAGLE/MIKE MACHADO
Telephone: \(408\) 722-3522
Mailing Address: 500 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3728
County Santa Cruz

The CA HAZNET database contains 17 additional records for this site.
Please contact your EDR Account Executive for more information.

CORTESE:
Reg Id: 2462
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

FID:
Facility ID: 44000651 Regulate ID: 00011415
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: \(408\) 722-3522
Mail To: Not reported
500 ARTHUR RD
WATSONVILLE, CA 95076
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

UST HIST:
Facility ID: 11415 Tank Used for: WASTE
Tank Num: 1 Container Num: 1
Tank Capacity: 550 Year Installed: 1966
Type of Fuel: WASTE OIL Tank Construction: Not reported
Leak Detection: None
Contact Name: RICHARD LYNCH Telephone: \(408\) 722-3522
Total Tanks: 3 Region: STATE
Facility Type: Other Other Type: Not reported

Facility ID. 11415 Tank Used for: PRODUCT

PORTOLA MOTORS \(Continued\) 1000415486

Tank Num:	2	Container Num:	2
Tank Capacity:	550	Year Installed:	1966
Type of Fuel:	DIESEL	Tank Construction:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	RICHARD LYNCH	Telephone:	\(408\) 722-3522
Total Tanks:	3	Region:	STATE
Facility Type:	Other	Other Type:	Not reported
Facility ID:	11415	Tank Used for:	PRODUCT
Tank Num:	3	Container Num:	3
Tank Capacity:	1000	Year Installed:	1975
Type of Fuel:	UNLEADED	Tank Construction:	Not reported
Leak Detection:	Stock Inventor		
Contact Name:	RICHARD LYNCH	Telephone:	\(408\) 722-3522
Total Tanks:	3	Region:	STATE
Facility Type:	Other	Other Type:	Not reported

D10 **PORTOLA MOTORS** LUST S105520732
NNE **500 AUTO CENTER DR.** N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1149 ft.
Higher **Site 1 of 2 in cluster D**

State LUST:

Cross Street:	MAIN ST		
Qty Leaked:	Not reported		
Case Number:	2462		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	44000		
Case Type:	Other ground water affected		
Status:	No Action		
Abate Method:	Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\)		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	8/9/01	Prelim Assess:	8/9/01
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	6/23/94		
Close Date:	09/25/1995		
Release Date:	06/23/1994		
Cleanup Fund Id :	Not reported		
Discover Date :	12/07/1993		
Enforcement Dt :	Not reported		
Enf Type:	LET		
Enter Date :	07/07/1994		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	Overfill		
Leak Source:	Other Source		
MTBE Date :	09/12/2002		
Max MTBE GW :	1 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	Not reported		

PORTOLA MOTORS \(Continued\) S105520732

Beneficial:	Not reported		
Staff :	MTK		
GW Qualifier :	<		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	5.1		
Operator :	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm :	UST		
Review Date :	06/23/1994		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	Not reported		
RP Address:	Not reported		
Global Id:	T0608700082		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	1		
Mtbe Fuel:	1		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 3:

Case Number:	2462	Release Date	06/23/1994
Cross Street:	MAIN ST	Enter Date:	07/07/1994
Basin Plan:	5.10		
Global ID:	T0608700082		
Operator:	Not reported		
Quantity:	Not reported		
Local Case Num:	Not reported		
Priority:	Not reported		
Responsible Party:	Not reported		
Local Agency:	03	Regional Board:	Central Coast Region
Discovered:	12/7/93	Stop Date:	Not reported
How Found:	Tank Closure	How Stopped:	Not reported
Source:	Other		
Cause:	Overfill		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Contact:	Not reported	Staff Initials:	MTK
Facility Status:	Preliminary site assessment underway		
Facility County:	Santa Cruz		
Abate Method:	Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\)		
Review Date:	06/23/1994	Funding:	Not reported
Confirm Leak:	Not reported	Workplan:	Not reported
Prelim Assess:	8/9/01	Pollution Char:	/ /
Remedial Plan:	Not reported	Remedial Action:	Not reported
Monitoring:	06/23/1994	Close Date:	9/25/95
Enforce Type:	LET		
Enforce Date:	Not reported	Pilot Program:	UST
Interim Action:	0	Region:	3
Mtbe Concentratn:	2		
Mtbe Fuel:	1		
Org Name:	Not reported		

PORTOLA MOTORS \(Continued\) S105520732

Assigned Name: 12S/02E-05K01 M
Dist From Well: 0
Well Name: WELL 17
Mtbe Class: D
Water System: CITY OF WATSONVILLE
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : 1
Max MTBE Soil : Not reported
Max MTBE Data : 09/12/2002
MTBE Tested : YES
Lat/Long : 36.916099 / -121.7673308
Soil Qualifier: Not reported
Groundwater Qualifier: <
UST Cleanup Fund ID: Not reported
Summary: SITE/CASE WAS CLOSED AS A SOIL CASE IN 1995 BY THE LOCAL AGENCY. 7/9/2001 SITE INVESTIGATION DETECTED 3500 PPB MTBE IN GW.

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11 **COASTAL ENTERPRISES** HIST UST U001602187
ESE **1138 MAIN ST** N/A
1/8-1/4 **WATSONVILLE, CA 95076**
1187 ft.
Higher

UST HIST:

Facility ID:	1589	Tank Used for:	PRODUCT
Tank Num:	1	Container Num:	1
Tank Capacity:	4000	Year Installed:	1979
Type of Fuel:	REGULAR	Tank Construction:	3/10 inches
Leak Detection:	Visual, Stock Inventor		
Contact Name:	Not reported	Telephone:	\(408\) 722-6154
Total Tanks:	2	Region:	STATE
Facility Type:	Other	Other Type:	TRUCKING

Facility ID:	1589	Tank Used for:	PRODUCT
Tank Num:	2	Container Num:	2
Tank Capacity:	2000	Year Installed:	1983
Type of Fuel:	DIESEL	Tank Construction:	3/16 inches
Leak Detection:	Visual, Stock Inventor		
Contact Name:	Not reported	Telephone:	\(408\) 722-6154
Total Tanks:	2	Region:	STATE
Facility Type:	Other	Other Type:	TRUCKING

C12 **CENTURY CHEVROLET** RCRIS-SQG 1000422693
North **490 ARTHUR ROAD** FINDS CAD029628377
1/8-1/4 **WATSONVILLE, CA 95076** HAZNET
1214 ft. LUST
Higher **Site 2 of 2 in cluster C** CA FID UST
HIST UST

CENTURY CHEVROLET \(Continued\) 1000422693

RCRIS:
Owner: MIKE KOLKO
\(415\) 555-1212
EPA ID: CAD029628377
Contact: ENVIRONMENTAL MANAGER
\(408\) 722-4122
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System \(FRS\)
Resource Conservation and Recovery Act Information system \(RCRAINFO\)

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	3341		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	44000		
Case Type:	Other ground water affected		
Status:	No Action		
Review Date:	05/19/1999	Confirm Leak:	05/19/1999
Workplan:	12/12/98	Prelim Assess:	12/12/98
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	05/19/1999		
Cleanup Fund Id :	Not reported		
Discover Date :	05/19/1999		
Enforcement Dt :	Not reported		
Enf Type:	LET		
Enter Date :	/ /		
Funding:	Not reported		
Staff Initials:	UNK		
How Discovered:	OM		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date :	06/24/2002		
Max MTBE GW :	1 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	MTK		
GW Qualifier :	<		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		

CENTURY CHEVROLET \(Continued\) **1000422693**

Operator : Not reported
Oversight Prgm. RB Lead Underground Storage Tank
Oversight Prgm : UST
Review Date : 08/14/2002
Stop Date : / /
Work Suspended :Not reported
Responsible PartyMIKE KOLKO
RP Address. 490 AUTOCENTER DR
Global Id: T060870819
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 4
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 3:
Case Number: 3341 Release Date 05/19/1999
Cross Street: Not reported Enter Date: / /
Basin Plan: Not reported
Global ID: T060870819
Operator: Not reported
Quantity: Not reported
Local Case Num: Not reported
Priority: Not reported
Responsible PartyMIKE KOLKO
Local Agency: 03 Regional Board: Central Coast Region
Discovered: 5/19/99 Stop Date: Not reported
How Found: Not reported How Stopped: Not reported
Source: Other
Cause: UNK
Lead Agency: Regional Board
Case Type: Other ground water affected
Contact: Not reported Staff Initials: MTK
Facility Status: Pollution Characterization
Facility County: Santa Cruz
Review Date: 08/14/2002 Funding: Not reported
Confirm Leak: 5/19/99 Workplan: 7/14/99
Prelim Assess: 12/12/98 Pollution Char: 11/29/2000
Remedial Plan: Not reported Remedial Action: Not reported
Monitoring: / / Close Date: Not reported
Enforce Type: LET
Enforce Date: Not reported Pilot Program: UST
Interim Action: Not reported Region: 3
Mtbe Concentratn 5
Mtbe Fuel 1
Org Name: Not reported
Assigned Name: Not reported
Dist From Well: 0
Well Name: Not reported
Mtbe Class. D
Water System: Not reported
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : 1

CENTURY CHEVROLET \(Continued\) **1000422693**

Max MTBE Soil : Not reported
Max MTBE Data : 06/24/2002
MTBE Tested : YES
Lat/Long : 36.920634 / -121.768168
Soil Qualifier: Not reported
Groundwater Qualifier: <
UST Cleanup Fund ID: Not reported
Summary: Haz Mat incident report filed : SITE CONSISTS OF TWO SEPARATE UST/AST AREAS. EXCAVATION OF ~240CY IMPACTED SOIL AT SOUTHEASTERN WASTE OIL/LUBRICATTING OIL UST/AST AREA. SIX MW'S INSTALLED 11/00.

HAZNET:
Gepaid: CAX000207233
TSD EPA ID: CAL000048571
Gen County: Santa Cruz
Tsd County: Santa Clara
Tons: .5212
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: Not reported
Telephone: \(000\) 000-0000
Mailing Address: WATSONVILLE, CA 95076
County Santa Cruz

Gepaid: CAD029628377
TSD EPA ID: CAD009466392
Gen County: Santa Cruz
Tsd County: 7
Tons: 2.34
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: MIKE KOLKO/PRESIDENT
Telephone: \(408\) 722-4122
Mailing Address: 490 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3726
County Santa Cruz

Gepaid: CAD029628377
TSD EPA ID: CAD980887418
Gen County: Santa Cruz
Tsd County: 1
Tons: 7.1932
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MIKE KOLKO/PRESIDENT
Telephone: \(408\) 722-4122
Mailing Address: 490 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3726
County Santa Cruz

Gepaid: CAD029628377
TSD EPA ID: CAD982446874
Gen County: Santa Cruz
Tsd County: Yolo
Tons: 1.8139
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: MIKE KOLKO/PRESIDENT
Telephone: \(408\) 722-4122

CENTURY CHEVROLET \(Continued\) **1000422693**

Mailing Address: 490 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3726
County Santa Cruz

Gepaid: CAD029628377
TSD EPA ID: CAD009452657
Gen County: Santa Cruz
Tsd County: San Mateo
Tons: 1.0006
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: MIKE KOLKO/PRESIDENT
Telephone: \(408\) 722-4122
Mailing Address: 490 AUTO CENTER DR
WATSONVILLE, CA 95076 - 3726
County Santa Cruz

The CA HAZNET database contains 12 additional records for this site.
Please contact your EDR Account Executive for more information.

FID:
Facility ID: 44000790 Regulate ID: Not reported
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: \(408\) 722-4122
Mail To: Not reported
490 ARTHUR RD
WATSONVILLE, CA 95076
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

UST HIST:
Facility ID: 9411 Tank Used for: PRODUCT
Tank Num: 1 Container Num: 1
Tank Capacity: 500 Year Installed: Not reported
Type of Fuel: UNLEADED Tank Construction: Not reported
Leak Detection: Visual
Contact Name: MICHAEL G. KOLKO Telephone: \(408\) 722-4122
Total Tanks: 2 Region: STATE
Facility Type: Other Other Type: AUTO DEALER

Facility ID: 9411 Tank Used for: PRODUCT
Tank Num: 2 Container Num: 2
Tank Capacity: 500 Year Installed: Not reported
Type of Fuel: UNLEADED Tank Construction: Not reported
Leak Detection: Visual
Contact Name: MICHAEL G. KOLKO Telephone: \(408\) 722-4122
Total Tanks: 2 Region: STATE
Facility Type: Other Other Type: AUTO DEALER

13 **CHMIRS** **S105885856**
ESE **788 RODRIQUEZ STREET** **N/A**
1/8-1/4 **WATSONVILLE, CA**
1216 ft.
Higher

CHMIRS:
OES Control Number: 02-4769
Chemical Name: raw sewage
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 02-4769
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : 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
Comments : Not reported
Facility Telephone Number : Not reported
Waterway Involved : Yes
Waterway : storm drain
Spill Site : Residence
Cleanup By : Unknown
Containment : No
What Happened : This release started last Friday. Today, the City Source Control Inspector found the Green Line Septic Tank Service dumping one of their trucks into a private manhole. The inspector talked to the driver who said the apartment complex had a pump station f
Type : N/A
Other : Not reported
Chemical 1 : Not Reported
Chemical 2 : Not Reported
Chemical 3 : Not Reported

\(Continued\) S105885856

Date/Time : 8/30/2001 1200
Evacuations : 0

D14 NNE 1/8-1/4 1244 ft. Higher

MARTY FRANICH CHRYSLER DODGE J LUST S104228622
555 AUTO CENTER DR N/A
WATSONVILLE, CA 95076

Site 2 of 2 in cluster D

State LUST:

Cross Street:	MARIN ST		
Qty Leaked:	Not reported		
Case Number	3072		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	44000		
Case Type:	Other ground water affected		
Status:	No Action		
Abate Method:	Other Means		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	7/27/99	Prelim Assess:	7/27/99
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	09/02/1999		
Cleanup Fund Id :	Not reported		
Discover Date :	04/27/1999		
Enforcement Dt :	Not reported		
Enf Type:	LET		
Enter Date :	10/26/1999		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Overfill		
Leak Source:	UNK		
MTBE Date :	12/18/2001		
Max MTBE GW :	11 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	MTK		
GW Qualifier :	<		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	5.1		
Operator :	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm :	UST		
Review Date :	09/17/2002		
Stop Date :	/ /		
Work Suspended	Not reported		
Responsible Party	BOB CULBERTSON		
RP Address:	555 AUTO CENTER DR		
Global Id:	T0608700172		

MARTY FRANICH CHRYSLER DODGE J \(Continued\) S104228622

Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	4
Mtbe Fuel:	1
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported

LUST Region 3:

Case Number:	3072	Release Date	09/02/1999
Cross Street:	MARIN ST	Enter Date:	10/26/1999
Basin Plan:	5.10		
Global ID:	T0608700172		
Operator:	Not reported		
Quantity:	Not reported		
Local Case Num:	Not reported		
Priority:	Not reported		
Responsible Party	BOB CULBERTSON		
Local Agency:	03	Regional Board:	Central Coast Region
Discovered:	4/27/99	Stop Date:	Not reported
How Found:	Tank Closure	How Stopped:	Not reported
Source:	Other		
Cause:	Overfill		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Contact:	Not reported	Staff Initials:	MTK
Facility Status:	Pollution Characterization		
Facility County:	Santa Cruz		
Abate Method:	Other		
Review Date:	09/17/2002	Funding:	Not reported
Confirm Leak:	Not reported	Workplan:	Not reported
Prelim Assess:	7/27/99	Pollution Char:	07/02/2001
Remedial Plan:	Not reported	Remedial Action:	Not reported
Monitoring:	/ /	Close Date:	Not reported
Enforce Type:	LET		
Enforce Date:	Not reported	Pilot Program:	UST
Interim Action:	Not reported	Region:	3
Mtbe Concentratn	5		
Mtbe Fuel:	1		
Org Name:	Not reported		
Assigned Name:	12S/02E-05K01 M		
Dist From Well:	0		
Well Name:	WELL 17		
Mtbe Class:	C		
Water System:	CITY OF WATSONVILLE		
Suspended :	Not reported		
Beneficial :	Not reported		
Max MTBE Ground Water :	10.8		
Max MTBE Soil :	Not reported		
Max MTBE Data :	12/18/2001		
MTBE Tested :	YES		
Lat/Long :	36.91631 / -121.7672718		
Soil Qualifier:	Not reported		
Groundwater Qualifier:	<		
UST Cleanup Fund ID:	Not reported		

MARTY FRANICH CHRYSLER DODGE J \(Continued\) **S104228622**

Summary: 1000 GAL UST REMOVED 7/24/99; 12/8/99 GW GRAB SAMPLE DETECTED 38000/430/13000 PPB TPHG/B/MTBE. ROUGHLY 611 TONS OF SOURCE AREA SOIL EXCAVATED.

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15 **CHMIRS** **S100275608**
SE **762 RODRIGUEZ ST.** **N/A**
1/8-1/4 **WATSONVILLE, CA 95076**
1262 ft.
Higher

CHMIRS:

OES Control Number:	9009704
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Residential
Incident Date:	11-JAN-90
Date Completed:	11-JAN-90
Time Completed :	1639
Agency Id Number :	44080
Agency Incident Number :	1-043
OES Incident Number :	9009704
Time Notified :	1457
Surrounding Area :	400
Estimated Temperature :	60
Property Management :	C
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
Vehicle Make/year :	PETERBILT, 1978
Vehicle License Number :	1668160
Vehicle State :	CA
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	WILLIAM S. FARR
Report Date :	11-JAN-90
Comments :	Not reported
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported

\(Continued\) **S100275608**

Date/Time :	Not reported
Evacuations :	Not reported

---

16 **NEW WEST FOODS** **HAZNET** **S102434339**
South **841 WALKER** **LUST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076** **Cortese**
1677 ft.
Higher

State LUST:

Cross Street:	FORD/HARKINS SLOUGH		
Qty Leaked:	Not reported		
Case Number	472		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	44000		
Case Type:	Soil only		
Status:	Case Closed		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	11/12/87	Remed Plan:	11/12/87
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	04/27/1988		
Release Date:	11/09/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	11/06/1987		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	11/20/1987		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	Corrosion		
Leak Source:	Tank		
MTBE Date :	/ /		
Max MTBE GW :	0 Parts per Billion		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	0		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	MTK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	5.1		
Operator :	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm :	UST		
Review Date :	04/27/1988		
Stop Date :	11/06/1987		
Work Suspended :	Not reported		
Responsible Party	Not reported		
RP Address:	Not reported		

NEW WEST FOODS \(Continued\) **S102434339**

Global Id: T0608700203
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 3:
Case Number: 472
Release Date: 11/09/1987
Cross Street: FORD/HARKINS SLOUGH
Enter Date: 11/20/1987
Basin Plan: 5.10
Global ID: T0608700203
Operator: Not reported
Quantity: Not reported
Local Case Num: Not reported
Priority: 0
Responsible Party: Not reported
Local Agency: 03
Regional Board: Central Coast Region
Discovered: 11/6/87
Stop Date: 11/6/87
How Found: Tank Closure
How Stopped: Not reported
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Contact: Not reported
Staff Initials: MTK
Facility Status: Case Closed
Facility County: Santa Cruz
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 04/27/1988
Funding: Not reported
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 01/07/1988
Remedial Plan: 11/12/87
Remedial Action: Not reported
Monitoring: / /
Close Date: 4/27/88
Enforce Type: Not reported
Enforce Date: Not reported
Pilot Program: UST
Interim Action: 0
Region: 3
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Assigned Name: 12S/02E-08A02 M
Dist From Well: 0
Well Name: WELL 02
Mtbe Class: *
Water System: Not reported
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : Not reported
Max MTBE Soil : Not reported
Max MTBE Data : / /
MTBE Tested : NT
Lat/Long : 36.9119211 / -121.7679158
Soil Qualifier: Not reported
Groundwater Qualifier: Not reported

NEW WEST FOODS \(Continued\) **S102434339**

UST Cleanup Fund ID: Not reported
Summary: G/W LEVEL SUSPECTED @ APPROX. 17'-20'. CONT SOIL REMOVED & DISPOSED OF TO DEPTH OF 15' BELOW GROUND SURFACE. PAVING OF SITE RECOMMENDED. ONCE PAVED, BARRING UNFORSEEN CIRCUMSTANCES, CASE TO BE CLOSED.

HAZNET:
Gepaid: CAC001154176
TSD EPA ID: CAD980887418
Gen County: Santa Cruz
Tsd County: 1
Tons: 1.0842
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: NEW WEST FOODS
Telephone: \(000\) 000-0000
Mailing Address: PO BOX 1315
WATSONVILLE, CA 95076
County Santa Cruz

Gepaid: CAC001435396
TSD EPA ID: CAD980887418
Gen County: Santa Cruz
Tsd County: 1
Tons: .4378
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: NEW WEST FOODS
Telephone: \(000\) 000-0000
Mailing Address: PO BOX 1315
WATSONVILLE, CA 95076
County Santa Cruz

CORTESE:
Reg Id: 472
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

17
NNE
1/4-1/2
1736 ft.
Higher

145 MADERA ST.
WATSONVILLE, CA

CHMIRS **S100278939**
N/A

CHMIRS:
OES Control Number: 8802552
Chemical Name: Not reported
Extent of Release: Not reported
Property Use: Residential
Incident Date: 15-AUG-88
Date Completed: 15-AUG-88
Time Completed : 1607
Agency Id Number : 44080
Agency Incident Number : 88-1-850
OES Incident Number : 8802552
Time Notified : 1530
Surrounding Area : 400
Estimated Temperature : 75
Property Management : P
More Than Two Substances Involved? : N
Special Studies 1 : Not reported

\(Continued\) S100278939

Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	Not reported
Resp Agncy Personel # Of Decontaminated :	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 :	PAUL FAUROT
Report Date :	17-AUG-88
Comments :	No
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

18
East
1/4-1/2
1755 ft.
Higher

9 MIDDLEFIELD LANE
WATSONVILLE, CA 29540

CHMIRS S105634332
N/A

CHMIRS:

OES Control Number:	3737
Chemical Name:	engine cleaner
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	3737
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported

\(Continued\) S105634332

Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	NO
Responding Agency Personel # Of Fatalities :	NO
Resp Agncy Personel # Of Decontaminated :	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
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	NO
Waterway :	pajaro river
Spill Site :	RESIDENCE
Cleanup By :	Not reported
Containment :	YES
What Happened :	individual using engine cleaner flushed the chemical into a gutter and eventually into a storm drain.
Type :	OTHER
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	8/20/94 1747
Evacuations :	NO

19
East
1/4-1/2
1778 ft.
Higher

30 WESTERN DRIVE
WATSONVILLE, CA 95076

CHMIRS S100275734
N/A

CHMIRS:

OES Control Number:	9010659
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	County/City Road
Incident Date:	05-MAY-90
Date Completed:	05-MAY-90
Time Completed :	1213
Agency Id Number :	44080
Agency Incident Number :	90-1-519
OES Incident Number :	9010659
Time Notified :	933
Surrounding Area :	962
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported

\(Continued\) S100275734

Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
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 :	THOMAS A. WILEY, ACT.CAPT
Report Date :	05-MAY-90
Comments :	No
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

20
South
1/4-1/2
1807 ft.
Higher

MOYER PRODUCTS INC
834 WALKER
WATSONVILLE, CA 95076

RCRIS-SQG 1000211161
FINDS CAD990802860
LUST
Cortese
HIST UST

RCRIS:
Owner: MOYER CHEMICAL COMPANY CORPORATION
\(415\) 555-1212
EPA ID: CAD990802860

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

MOYER PRODUCTS INC \(Continued\) 1000211161

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System \(FRS\)
Resource Conservation and Recovery Act Information system \(RCRAINFO\)

State LUST:

Cross Street:	FORD		
Qty Leaked:	Not reported		
Case Number	485		
Reg Board:	3		
Chemical:	Regular Gasoline		
Lead Agency:	Local Agency		
Local Agency :	44000		
Case Type:	Soil only		
Status:	Case Closed		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	10/24/1986		
Release Date:	01/01/1988		
Cleanup Fund Id :	Not reported		
Discover Date :	09/16/1986		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	12/31/1986		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	Corrosion		
Leak Source:	Tank		
MTBE Date :	/ /		
Max MTBE GW :	0 Parts per Billion		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	0		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	MTK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	5.1		
Operator :	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm :	UST		
Review Date :	10/29/1986		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	Not reported		
RP Address.	Not reported		
Global Id:	T0608700216		
Org Name:	Not reported		

MOYER PRODUCTS INC \(Continued\) **1000211161**

Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 3:
Case Number: 485
Release Date 01/01/1988
Cross Street: FORD
Enter Date: 12/31/1988
Basin Plan: 5.10
Global ID: T0608700216
Operator: Not reported
Quantity: Not reported
Local Case Num: Not reported
Priority: 0
Responsible Party Not reported
Local Agency: 03
Regional Board: Central Coast Region
Discovered: 9/16/86
Stop Date: Not reported
How Found: Tank Closure
How Stopped: Not reported
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Contact: Not reported
Staff Initials: MTK
Facility Status: Case Closed
Facility County: Santa Cruz
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 10/29/1986
Funding: Not reported
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Close Date: 10/24/86
Enforce Type: Not reported
Enforce Date: Not reported
Pilot Program: UST
Interim Action: 0
Region: 3
Mtbe Concentratn 0
Mtbe Fuel: 1
Org Name: Not reported
Assigned Name: 12S/02E-08A02 M
Dist From Well: 0
Well Name: WELL 02
Mtbe Class: *
Water System: Not reported
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : Not reported
Max MTBE Soil : Not reported
Max MTBE Data : / /
MTBE Tested : NT
Lat/Long : 36.9119501 / -121.7675348
Soil Qualifier: Not reported
Groundwater Qualifier: Not reported
UST Cleanup Fund ID: Not reported

MOYER PRODUCTS INC \(Continued\) **1000211161**

Summary: SOIL SAMPLES TAKEN ON 9/16/86: 2600 PPM TPH, WATSONVILLE FIRE DEPT. CONSIDERS IT A CLEAN HOLE AND HAVE AUTHORIZED BACKFILL WITH CLEAN SOIL. CONSIDERED CLOSED OTHER THAN TRACKING THE REMOVED CONT. SOIL.

CORTESE:
Reg Id: 485
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

UST HIST:
Facility ID: 4624
Tank Used for: WASTE
Tank Num: 1
Container Num: 1
Tank Capacity: 5000
Year Installed: 1980
Type of Fuel: Not Reported
Tank Construction: 12 inches
Leak Detection: None
Contact Name: WATSONVILLE BRANCH
Telephone: \(408\) 722-2683
Total Tanks: 2
Region: STATE
Facility Type: Other
Other Type: PESTICIDES

Facility ID: 4624
Tank Used for: PRODUCT
Tank Num: 2
Container Num: 2
Tank Capacity: 550
Year Installed: 1976
Type of Fuel: REGULAR
Tank Construction: 12 gauge
Leak Detection: Stock Inventor
Contact Name: WATSONVILLE BRANCH
Telephone: \(408\) 722-2683
Total Tanks: 2
Region: STATE
Facility Type: Other
Other Type: PESTICIDES

21
NNE
1/4-1/2
2105 ft.
Higher

INTERSECTION OF SANTA CLARA / MARIN ST
WATSONVILLE, CA

CHMIRS **S105629589**
N/A

CHMIRS:
OES Control Number: 61020
Chemical Name: oil
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 61020
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? . Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : NO
Responding Agency Personel # Of Fatalities : NO
Resp Agncy Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported

\(Continued\) S105629589

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
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	YES
Waterway :	Not reported
Spill Site :	RD
Cleanup By :	watsonville fd
Containment :	NO
What Happened :	fell off truck .
Type :	PETROLEUM
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	11/23/93 1215
Evacuations :	NO

22
East
1/4-1/2
2170 ft.
Higher

732 FREEDOM BLVD.
WATSONVILLE, CA 95076

CHMIRS S100276168
N/A

CHMIRS:

OES Control Number:	9014074
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Residential
Incident Date:	20-NOV-90
Date Completed:	20-NOV-90
Time Completed :	412
Agency Id Number :	44080
Agency Incident Number :	90-1-1282
OES Incident Number :	9014074
Time Notified :	309
Surrounding Area :	500
Estimated Temperature :	40
Property Management :	Not reported
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0

\(Continued\) S100276168

Others Number Of Fatalities :	0
Vehicle Make/year :	90 TOYOTA MR2
Vehicle License Number :	TEMPORARY
Vehicle State :	CA
Vehicle Id Number :	JTZ8W22N8M
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	CAPT. WILLIAM FARR
Report Date :	20-NOV-90
Comments :	Yes
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

E23
East
1/4-1/2
2292 ft.
Higher

814 FREEDOM BLVD
WATSONVILLE, CA 0

Site 1 of 2 in cluster E

CHMIRS S105649007
N/A

CHMIRS:

OES Control Number:	97-3969
Chemical Name:	natural gas
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-3969
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported

\(Continued\) S105649007

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
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Road
Cleanup By :	Release to atmosphere//no cleanup
Containment :	Yes
What Happened :	A 4 inch gas line was struck by a tractor, the release continued for 3 hours before the release was stopped. The line was plugged & capped by PG&E personnel at 1733 hrs. A daycare center "After School Daycare" was evacuated the children moved to a nearb
Type :	VAPOR
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	10/6/97
Evacuations :	0

E24
East
1/4-1/2
2319 ft.
Higher

819 FREEDOM BLVD.
WATSONVILLE, CA 0

Site 2 of 2 in cluster E

CHMIRS S105648864
N/A

CHMIRS:

OES Control Number:	97-4134
Chemical Name:	Natural Gal
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-4134
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported

\(Continued\) S105648864

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
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Residence
Cleanup By :	Unknown
Containment :	Yes
What Happened :	Natural pipe line hit by grader, split pipe. Stopped At 1044
Type :	UNSPECIFIED
Other :	1 1/4 pipe 50 min release
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	10/16/97
Evacuations :	0

25
ENE
1/4-1/2
2391 ft.
Higher

24 W HIGH STREET
WATSONVILLE, CA 29540

CHMIRS S105666275
N/A

CHMIRS:

OES Control Number:	00-3534
Chemical Name:	Natural Gas
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	00-3534
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved?	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported

\(Continued\) S105666275

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
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Residence
Cleanup By :	none
Containment :	Yes
What Happened :	A maintenance worker was snaking a sewer line, worker hit service gas line to a residence.
Type :	VAPOR
Other :	2 hr release
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	8/7/00 923
Evacuations :	0

F26 **AAMCO TRANSMISSIONS** HAZNET S104162797
ESE **640 MAIN ST** LUST N/A
1/4-1/2 **WATSONVILLE, CA 95076** Cortese
2392 ft.
Higher **Site 1 of 2 in cluster F**

State LUST:

Cross Street:	FORD & FIFTH STREETS		
Qty Leaked:	Not reported		
Case Number	478		
Reg Board:	3		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	44000		
Case Type:	Other ground water affected		
Status:	Case Closed		
Abate Method:	Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\)		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	4/5/02		
Close Date:	06/05/2002		
Release Date:	10/01/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	/ /		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	10/09/1987		
Funding:	Not reported		
Staff Initials:	UST		

AAMCO TRANSMISSIONS \(Continued\) S104162797

How Discovered:	Tank Closure
How Stopped:	Not reported
Interim :	Not reported
Leak Cause:	Corrosion
Leak Source:	Tank
MTBE Date :	04/05/2002
Max MTBE GW :	1 Parts per Billion
MTBE Tested:	MTBE Detected, Site tested for MTBE & MTBE detected
Priority:	Not reported
Local Case # :	Not reported
Beneficial:	Not reported
Staff :	MTK
GW Qualifier :	<
Max MTBE Soil :	Not reported
Soil Qualifier :	Not reported
Hydr Basin #:	5.1
Operator :	Not reported
Oversight Prgm:	RB Lead Underground Storage Tank
Oversight Prgm :	UST
Review Date :	03/11/2002
Stop Date :	/ /
Work Suspended :	Not reported
Responsible Party:	PETER DWARES
RP Address:	331 FILBERT ST
Global Id:	T0608700209
Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	1
Mtbe Fuel:	1
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported

LUST Region 3:

Case Number:	478	Release Date	10/01/1987
Cross Street:	FORD & FIFTH STREETS	Enter Date:	10/09/1987
Basin Plan:	5.10		
Global ID:	T0608700209		
Operator:	Not reported		
Quantity:	Not reported		
Local Case Num:	Not reported		
Priority:	Not reported		
Responsible Party:	PETER DWARES		
Local Agency:	03	Regional Board:	Central Coast Region
Discovered:	Not reported	Stop Date:	Not reported
How Found:	Tank Closure	How Stopped:	Not reported
Source:	Tank		
Cause:	Corrosion		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Contact:	Not reported	Staff Initials:	MTK
Facility Status:	Case Closed		
Facility County:	Santa Cruz		
Abate Method:	Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\)		
Review Date:	03/11/2002	Funding:	Not reported

AAMCO TRANSMISSIONS \(Continued\) **S104162797**

Confirm Leak: Not reported
Prelim Assess.: Not reported
Remedial Plan: Not reported
Monitoring: 04/05/2002
Enforce Type: Not reported
Enforce Date: Not reported
Interim Action: Not reported
Mtbe Concentratn: 1
Mtbe Fuel: 1
Org Name: Not reported
Assigned Name: 12S/02E-08A03 M
Dist From Well: 0
Well Name: WELL 03
Mtbe Class: Not reported
Water System: Not reported
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : 1
Max MTBE Soil : 44
Max MTBE Data : 04/05/2002
MTBE Tested : YES
Lat/Long : 36.9147261 / -121.7610235
Soil Qualifier: =
Groundwater Qualifier: <
UST Cleanup Fund ID: Not reported
Workplan: Not reported
Pollution Char: 10/23/2000
Remedial Action: Not reported
Close Date: 6/5/02
Pilot Program: UST
Region: 3
Summary: 9-21-87 SOIL SAMPLE RESULTS: THC AS GASOLINE = 4000 PPM. CASE CLOSED ON LOCAL LEVEL 10/88. PROPERTY TRANSACTION IMV. IN 2000 DETECTED HIGH LEVELS OF TPHD \(88,000 PPB\) AND TPHG \(44,000 PPB\) IN GROUNDWATER. THIRTEEN HYDRAULIC HOISTS REMOVED 945 CY SOIL E

HAZNET:

Gepaid: CAL000112558
TSD EPA ID: CAD083166728
Gen County: Santa Cruz
Tsd County: Stanislaus
Tons: .7714
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: MICHAEL LIGHTFOOT
Telephone: \(000\) 000-0000
Mailing Address: 640 MAIN ST
WATSONVILLE, CA 95076 - 4352
County Santa Cruz

Gepaid: CAL000112558
TSD EPA ID: CAD083166728
Gen County: Santa Cruz
Tsd County: Stanislaus
Tons: .5838
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: MICHAEL LIGHTFOOT
Telephone: \(000\) 000-0000
Mailing Address: 640 MAIN ST
WATSONVILLE, CA 95076 - 4352
County Santa Cruz

AAMCO TRANSMISSIONS \(Continued\) **S104162797**

Gepaid: CAL000112558
TSD EPA ID: CAL000161743
Gen County: Santa Cruz
Tsd County: Santa Clara
Tons: .6255
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: MICHAEL LIGHTFOOT
Telephone: \(000\) 000-0000
Mailing Address: 640 MAIN ST
WATSONVILLE, CA 95076 - 4352
County Santa Cruz

Gepaid: CAL000112558
TSD EPA ID: CAD083166728
Gen County: Santa Cruz
Tsd County: Stanislaus
Tons: .3544
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: MICHAEL LIGHTFOOT
Telephone: \(000\) 000-0000
Mailing Address: 640 MAIN ST
WATSONVILLE, CA 95076 - 4352
County Santa Cruz

Gepaid: CAL000112558
TSD EPA ID: NVD982358483
Gen County: Santa Cruz
Tsd County: 99
Tons: .5629
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: MICHAEL LIGHTFOOT
Telephone: \(000\) 000-0000
Mailing Address: 640 MAIN ST
WATSONVILLE, CA 95076 - 4352
County Santa Cruz

CORTESE:
Reg Id: 478
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

F27 **PAJARO VALLEY BANK** LUST **S102434929**
ESE **655 MAIN ST** **N/A**
1/4-1/2 **WATSONVILLE, CA 95076**
2413 ft.
Higher **Site 2 of 2 in cluster F**

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number 2545
Reg Board: 3
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 44000
Case Type: Soil only
Status: Case Closed
Abate Method: Cap Site - install horizontal impermeable layer to reduce rainfall infiltration, Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\)

PAJARO VALLEY BANK \(Continued\) **S102434929**

Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 08/01/1989
Release Date: 06/15/1995
Cleanup Fund Id : Not reported
Discover Date : 07/24/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 06/30/1995
Funding: Not reported
Staff Initials: UST
How Discovered: OM
How Stopped: Not reported
Interim : No
Leak Cause: UNK
Leak Source: UNK
MTBE Date : / /
Max MTBE GW : 0 Parts per Billion
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : MTK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: 5.1
Operator : Not reported
Oversight Prgm: RB Lead Underground Storage Tank
Oversight Prgm : UST
Review Date : 06/30/1995
Stop Date : / /
Work Suspended :Not reported
Responsible Party Not reported
RP Address: Not reported
Global Id: T0608700109
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

Confirm Leak: Not reported
Prelim Assess.: Not reported
Remed Plan: Not reported

LUST Region 3:
Case Number: 2545
Cross Street: Not reported
Basin Plan: 5.10
Global ID: T0608700109
Operator: Not reported
Quantity: Not reported
Local Case Num: Not reported
Priority: Not reported

Release Date 06/15/1995
Enter Date: 06/30/1995

PAJARO VALLEY BANK \(Continued\) **S102434929**

Responsible Party Not reported
Local Agency: 03
Discovered: 7/24/89
How Found: Not reported
Source: Other
Cause: UNK
Lead Agency: Local Agency
Case Type: Soil only
Contact: Not reported
Facility Status: Case Closed
Facility County: Santa Cruz
Abate Method: Excavate and Treat - remove contaminated soil and treat \(includes spreading or land farming\), Cap Site - install horizontal impermeable layer to reduce rainfall infiltration
Review Date: 06/30/1995
Confirm Leak: Not reported
Prelim Assess: Not reported
Remedial Plan: Not reported
Monitoring: / /
Enforce Type: Not reported
Enforce Date: Not reported
Interim Action: 0
Mtbe Concentratn 0
Mtbe Fuel: 1
Org Name: Not reported
Assigned Name: 12S/02E-08A03 M
Dist From Well: 0
Well Name: WELL 03
Mtbe Class: *
Water System: Not reported
Suspended : Not reported
Beneficial : Not reported
Max MTBE Ground Water : Not reported
Max MTBE Soil : Not reported
Max MTBE Data : / /
MTBE Tested : NT
Lat/Long : 36.9136611 / -121.7604864
Soil Qualifier: Not reported
Groundwater Qualifier: Not reported
UST Cleanup Fund ID: Not reported
Summary: **** CASE CLOSED ****

Regional Board: Central Coast Region
Stop Date: Not reported
How Stopped: Not reported
Staff Initials: MTK
Funding: Not reported
Workplan: Not reported
Pollution Char: / /
Remedial Action: Not reported
Close Date: 8/1/89
Pilot Program: UST
Region: 3

28
NNE
1/4-1/2
2460 ft.
Higher

MARIN ST. / MANANA LANE
WATSONVILLE, CA

CHMIRS S100278832
N/A

CHMIRS:
OES Control Number: 8801604
Chemical Name: Not reported
Extent of Release: Not reported
Property Use: County/City Road
Incident Date: 13-MAY-88
Date Completed: 13-MAY-88
Time Completed : 1805
Agency Id Number : 44080
Agency Incident Number : 88-1-516
OES Incident Number : 8801604

\(Continued\) S100278832

Time Notified :	1753
Surrounding Area :	400
Estimated Temperature :	74
Property Management :	C
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	Not reported
Resp Agncy Personel # Of Decontaminated :	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 :	unspecified
Report Date :	07-DEC-41
Comments :	No
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

29
SSE
1/4-1/2
2514 ft.
Higher

BERMAN STEEL Cal-Sites 1003878320
627 WALKER ST CERC-NFRAP CAD029625787
WATSONVILLE, CA 95076

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Non NPL Code: NFRAP
Ownership Status: Unknown
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:
Assessment: DISCOVERY Completed: 10/01/1985
Assessment: ARCHIVE SITE Completed: 10/01/1987
Assessment: PRELIMINARY ASSESSMENT Completed: 10/01/1987
CAL-SITES:
Facility ID 44290003
Status: CERT - CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC

BERMAN STEEL \(Continued\) 1003878320

	OVERSIGHT
Status Date:	05/01/1981
Lead:	Not reported
Region:	2 - BERKELEY
Branch:	NC - NORTH COAST
File Name:	Not reported
Status Name:	CERTIFIED
Lead Agency:	N/A
NPL:	Not reported
SIC:	29 MANU - PETROLEUM & COAL PRODUCTS
Facility Type:	RESPONSIBLE PARTY
Type Name:	RP
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
No. of Contamination Sources:	0.00000
Lat/Long:	0.00000° 0.00000' 0.00000" / 0° 0.00000' 0.00000"
Lat/long Method:	Not reported
State Assembly District Code:	Not reported
State Senate District:	Not reported

Not reported

The CAL-SITES database may contain additional details for this site.
Please contact your EDR Account Executive for more information.

30
SSE
1/4-1/2
2530 ft.
Higher

555 WALKER ST. CHMIRS S100217891
WATSONVILLE, CA 95076 N/A

CHMIRS:

OES Control Number:	8908594
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Industrial, Utility
Incident Date:	29-OCT-89
Date Completed:	29-OCT-89
Time Completed :	934
Agency Id Number :	44080
Agency Incident Number :	1-1110
OES Incident Number :	8908594
Time Notified :	755
Surrounding Area :	600
Estimated Temperature :	70
Property Management :	P
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	1
Responding Agency Personel # Of Fatalities :	0

\(Continued\) S100217891

Resp Agncy Personel # Of Decontaminated :	9
Others Number Of Decontaminated :	4
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
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 :	ACT. CAPT. D. KIKUCHI
Report Date :	29-OCT-89
Comments :	Not reported
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

31 ESE 1/4-1/2 2559 ft. Higher

WATSONVILLE MAXIM GAS CO.
618 MAIN STREET
WATSONVILLE, CA 95076

Coal Gas G000000935 N/A

COAL GAS SITE DESCRIPTION:
Maxim Gas Co. is located on the east side of MainStreet, north of Fourth Street, tersection of Fifth and Main. 1902, Watsonville Gas Co. on site. By 1908 School 920, Auto Painting on site, gas holder still shown; Fifth street goes through fr y 1958, Pacific Gas and Electric Co. owns site, gasometers gone.

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32 NNE 1/4-1/2 2594 ft. Higher

71 MARIN STREET
WATSONVILLE, CA 95076

CHMIRS S100277295 N/A

CHMIRS:

OES Control Number:	9115613
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Open Land
Incident Date:	19-FEB-91
Date Completed:	19-FEB-91
Time Completed :	1948
Agency Id Number :	44080
Agency Incident Number :	91-1-156
OES Incident Number :	9115613

\(Continued\) S100277295

Time Notified :	1751
Surrounding Area :	400
Estimated Temperature :	70
Property Management :	C
More Than Two Substances Involved? :	N
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
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 :	CAPT. FARR
Report Date :	23-FEB-91
Comments :	No
Facility Telephone Number :	408 728-6060
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported

33 ESE 1/2-1 2745 ft. Higher

PG&E, WATSONVILLE SITE #1
618 MAIN STREET
WATSONVILLE, CA 93208

Notify 65 S100177955 N/A

NOTIFY 65:

Date Reported:	Not reported	Staff Initials: Not reported
Board File Number:	Not reported	
Facility Type:	Not reported	
Discharge Date:	Not reported	
Incident Description:	93208	

MAP FINDINGS

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
34 SE 1/2-1 4816 ft. Higher	**GAS STATION** **222 MAIN STREET** **WATSONVILLE, CA 93208**	Notify 65 EMI	S100178688 N/A

NOTIFY 65:

Date Reported:	Not reported	Staff Initials. Not reported
Board File Number:	Not reported	
Facility Type:	Not reported	
Discharge Date:	Not reported	
Incident Description:	93208	

EMISSIONS :

Facility ID :	1051
Air District Code :	MBU
SIC Code :	5541
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	NCC
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 :	Not reported
Reactive Organic Gases :	Not reported
Carbon Monoxide Emissions :	Not reported
NOX Gas Emissions \(Nitrogen - Oxygen\) :	Not reported
SOX Gas Emissions \(Sulphur - Oxygen\) :	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WATSONVILLE	U001602415	WATSONVILLE STATE PARK	37.03 (121.73)	95076	HIST UST
WATSONVILLE	1002851017	MOSS LANDING POWER PLANT	HWY 1 3 MILES S OF WATSONVILLE	95076	CERC-NFRAP
WATSONVILLE	1000375088	MOSS LANDING	HIGHWAY 1, 3 MILES SOUTH OF WATSONVILLE	95076	REF
WATSONVILLE	94362169	SR 129, 5 MI E OF WATSONVILLE	SR 129, 5 MI E OF WATSONVILLE		ERNS
WATSONVILLE	S103957445	CITY OF WATSONVILLE AIRPORT	100 B AVIATION WAY	95076	HAZNET
WATSONVILLE	S105027308	WFS - WATSONVILLE FACILIT	405 BRANCH	95076	Cortese
WATSONVILLE	S105093883	CITY OF WATSONVILLE	51 BURCHELL	95076	HAZNET
WATSONVILLE	S101594794	CITY OF WATSONVILLE WATER DEPT	50 BURCHELL AVE	95076	CA FID UST
WATSONVILLE	1003878916	PG&E GAS PLANT WATSONVILLE 408 8	N COR WLKER & FRONT STS	95076	CERC-NFRAP
WATSONVILLE	S103678665	CITY OF WATSONVILLE BLDG DEPT	END OF 4TH ST CUL DE SAC		HAZNET
WATSONVILLE	S103678766	P G & E/WATSONVILLE SERVICE CENTER	FRONT / WALKER STREETS	95076	HAZNET
WATSONVILLE	S102382558	XANTHUS PROPERTY EXEMPTION	LARKIN VALLEY ROAD		SWF/LF
WATSONVILLE	S103636738	CITY OF WATSONVILLE 669	1785 MAIN ST	95076	HAZNET
WATSONVILLE	S103619891	WATSONVILLE REGISTER PAJARONIAN	10001 MAIN STREET	95076	HAZNET
WATSONVILLE	1003878945	PG&E GAS PLANT WATSONVILLE 408 8A	MAIN NR 5TH STS	95076	CERC-NFRAP
WATSONVILLE	S102804212	CITY OF WATSONVILLE	PARCEL #015-151-05 ACROSS THE	95076	HAZNET
WATSONVILLE	S100186313	BOYER FERTILIZER SERVICE, INC	619 RIVERSIDE ROAD (HIGHWAY 129)	95076	REF
WATSONVILLE	A100211484	WATSONVILLE BERRY COLLER	416 SALINAS RD	95076	AST
WATSONVILLE	1006829627	OLD CITY OF WATSONVILLE DISPOSAL SITE	SAN ANDREAS ROAD		FINDS
WATSONVILLE	93309408	NB SR 1 AT GREEN VALLEY RD 2 MILES E OF WATSONVILLE	NB SR 1 AT GREEN VALLEY RD 2 MILES E OF WATSONVILLE	95076	ERNS
WATSONVILLE	S102798984	IX P G & E WATSONVILLE SUBSTATION	WATER ST SOUTH OF FIRST ST		HAZNET
WATSONVILLE	93343267	WATSONVILLE HIGH SCHOOL, 250 EAST BEACH ST	WATSONVILLE HIGH SCHOOL, 250 EAST BEAC ST	95076	ERNS

AREA RADON INFORMATION

No records reported for ZIP:95076 CA

- Federal EPA Radon Zone for SANTA CRUZ County, CA: 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 SANTA CRUZ County, CA

Number of sites tested: 9

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.100 pCi/L	89%	11%	0%
Living Area - 2nd Floor	1.900 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
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: 07/22/03
Date Made Active at EDR: 08/26/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/04/03
Elapsed ASTM days: 22
Date of Last EDR Contact: 08/04/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 06/10/03
Date Made Active at EDR: 08/26/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/04/03
Elapsed ASTM days: 22
Date of Last EDR Contact: 08/04/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/11/03
Date Made Active at EDR: 10/29/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 09/24/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 09/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 09/11/03
Date Made Active at EDR: 10/29/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 09/24/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 09/24/03

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/13/03
Date Made Active at EDR: 09/18/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/22/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 09/08/03

RCRIS: Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 09/10/03
Date Made Active at EDR: 10/01/03
Database Release Frequency: Varies
Date of Data Arrival at EDR: 09/11/03
Elapsed ASTM days: 20
Date of Last EDR Contact: 09/11/03

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
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: 12/01/01
Database Release Frequency: Biennially
Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/15/03

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
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: 07/22/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
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: 07/25/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/07/03
Date of Next Scheduled EDR Contact: 01/05/04

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/03
Database Release Frequency: Annually
Date of Last EDR Contact: 10/23/03
Date of Next Scheduled EDR Contact: 01/19/04

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 07/16/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/07/03
Date of Next Scheduled EDR Contact: 01/05/04

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/27/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/29/03

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/25/03
Date of Next Scheduled EDR Contact: 11/24/03

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
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: 06/30/03
Database Release Frequency: Annually
Date of Last EDR Contact: 08/13/03
Date of Next Scheduled EDR Contact: 11/10/03

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-648-5920
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: 04/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/15/03
Date of Next Scheduled EDR Contact: 11/10/03

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/01
Database Release Frequency: Annually
Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
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: 12/31/98
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/08/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 08/21/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
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: 12/31/01
Database Release Frequency: Annually
Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
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: 08/21/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 08/31/03
Date Made Active at EDR: 09/17/03
Database Release Frequency: Annually
Date of Data Arrival at EDR: 09/02/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 09/02/03

CAL-SITES: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
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.

Date of Government Version: 08/31/03
Date Made Active at EDR: 09/17/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 09/02/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 09/02/03

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/02
Date Made Active at EDR: 08/07/03
Database Release Frequency: Varies
Date of Data Arrival at EDR: 07/11/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/25/03

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
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: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 10/27/03

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 10/20/03

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
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: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/04/03

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
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: 09/12/03
Date Made Active at EDR: 10/16/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/15/03
Elapsed ASTM days: 31
Date of Last EDR Contact: 09/15/03

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
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: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 09/12/03

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5740
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/02/03
Date Made Active at EDR: 04/25/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/16/03
Elapsed ASTM days: 9
Date of Last EDR Contact: 10/14/03

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
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: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5700
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/02/03
Date Made Active at EDR: 04/30/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/16/03
Elapsed ASTM days: 14
Date of Last EDR Contact: 10/14/03

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 08/31/03
Date Made Active at EDR: 09/17/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/02/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 09/02/03

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: Varies

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: 0
Date of Last EDR Contact: N/A

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
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: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
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: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 07/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-225-0873
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: 03/11/03
Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/05/04

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-657-1571
Sites which have been issued waste discharge requirements.

Date of Government Version: 09/22/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/24/03
Date of Next Scheduled EDR Contact: 12/22/03

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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.

Date of Government Version: 10/07/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/08/03
Date of Next Scheduled EDR Contact: 01/05/04

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 08/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

EMI: Emissions Inventory Data
Source: California Air Resources Board
Telephone: 916-322-2990
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/01
Database Release Frequency: Varies

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 08/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 08/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

HAZNET: Hazardous Waste Information System
Source: California Environmental Protection Agency
Telephone: 916-255-1136
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.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 08/12/03
Date of Next Scheduled EDR Contact: 11/10/03

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 07/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 07/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 09/04/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

FRESNO COUNTY:

CUPA Resources List
Source: Dept. of Community Health
Telephone: 559-445-3271
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: 10/07/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/21/03
Date of Next Scheduled EDR Contact: 11/10/03

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 07/25/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

LOS ANGELES COUNTY:

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 08/18/03
Date of Next Scheduled EDR Contact: 11/17/03

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 09/11/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/18/03
Date of Next Scheduled EDR Contact: 11/17/03

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 05/30/02
Database Release Frequency: Annually

Date of Last EDR Contact: 08/29/03
Date of Next Scheduled EDR Contact: 11/24/03

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 09/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/18/03
Date of Next Scheduled EDR Contact: 11/17/03

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/02
Database Release Frequency: Varies

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/18/03
Date of Next Scheduled EDR Contact: 11/17/03

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/18/03
Date of Next Scheduled EDR Contact: 11/17/03

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 08/19/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/02/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/30/03
Date of Next Scheduled EDR Contact: 12/29/03

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/02/03
Database Release Frequency: Annually

Date of Last EDR Contact: 09/30/03
Date of Next Scheduled EDR Contact: 12/29/03

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/11/03
Date of Next Scheduled EDR Contact: 12/08/03

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/11/03
Date of Next Scheduled EDR Contact: 12/08/03

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 10/24/00
Database Release Frequency: Annually

Date of Last EDR Contact: 09/11/03
Date of Next Scheduled EDR Contact: 12/08/03

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/03/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 05/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 07/17/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 07/17/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
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: 09/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/03
Date of Next Scheduled EDR Contact: 12/08/03

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 08/25/03
Date of Next Scheduled EDR Contact: 11/24/03

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
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: 03/31/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03
Date of Next Scheduled EDR Contact: 01/05/04

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 09/11/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 09/11/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 07/21/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/16/03
Database Release Frequency: Annually

Date of Last EDR Contact: 10/13/03
Date of Next Scheduled EDR Contact: 01/12/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 07/02/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/30/03
Date of Next Scheduled EDR Contact: 12/29/03

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 12/11/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 08/21/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 08/21/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 07/28/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/26/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 07/01/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/27/03
Date of Next Scheduled EDR Contact: 01/05/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 08/26/03
Date of Next Scheduled EDR Contact: 11/24/03

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/26/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/16/03
Date of Next Scheduled EDR Contact: 01/12/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
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: 09/02/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 06/19/03
Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/19/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
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: 02/01/01 — Date of Last EDR Contact: 08/25/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 11/24/03

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/28/03 — Date of Last EDR Contact: 10/14/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/12/04

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03 — Date of Last EDR Contact: 08/18/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 11/17/03

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 08/09/01 — Date of Last EDR Contact: 09/30/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 12/29/03

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 07/01/03 — Date of Last EDR Contact: 10/16/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/05/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03 — Date of Last EDR Contact: 09/08/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 12/08/03

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 05/29/03 — Date of Last EDR Contact: 10/07/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/05/04

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 07/02/02 — Date of Last EDR Contact: 09/30/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 12/29/03

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
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: 09/16/03 — Date of Last EDR Contact: 08/11/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 11/10/03

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
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: 03/01/01 — Date of Last EDR Contact: 10/20/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 01/19/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03 — Date of Last EDR Contact: 08/25/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 11/24/03

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/28/03 — Date of Last EDR Contact: 10/14/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/12/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/16/03 — Date of Last EDR Contact: 08/18/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 11/17/03

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/01/03 — Date of Last EDR Contact: 10/27/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/26/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 10/20/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/07/03
Date of Next Scheduled EDR Contact: 01/05/04

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/09/03
Database Release Frequency: Varies

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 05/08/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/07/03
Date of Next Scheduled EDR Contact: 01/05/04

SLIC REG 7: SLIC List
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 05/29/03
Database Release Frequency: Varies

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Date of Next Scheduled EDR Contact: 11/24/03

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/20/03
Date of Next Scheduled EDR Contact: 01/05/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 09/08/03
Database Release Frequency: Annually

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
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: 08/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/02/03
Date of Next Scheduled EDR Contact: 12/01/03

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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LIMITED PHASE II SOIL AND GROUNDWATER INVESTIGATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION FOR 999, 1035, 1039, AND 1075 MAIN STREET WATSONVILLE, CALIFORNIA

Draft

FOR
SANTA CRUZ SEASIDE COMPANY
SANTA CRUZ, CALIFORNIA

BY
PACIFIC CREST ENGINEERING INC.
CONSULTING GEOTECHNICAL ENGINEERS
0481-SZ81-F31
OCTOBER 2004
www.4pacific-crest.com

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October 12, 2004

Project No. 0481-SZ81-F31

Mr. Charles Canfield
Santa Cruz Seaside Company
400 Beach Street
Santa Cruz, CA 95060

Subject: Limited Phase II Soil and Groundwater Investigation and Preliminary Geotechnical Investigation
999, 1035, 1039, and 1075 Main Street (APN 018-261-14 & 27)
Watsonville, California

Dear Mr. Canfield,

In accordance with your authorization, we have performed preliminary geotechnical and environmental services for the above referenced property located in Watsonville, California.

The accompanying report presents our conclusions and recommendations as well as the results of the preliminary studies. Since low levels of diesel and motor oil have been confirmed for the subject property in the southern fill area, we recommend a copy of this report be forwarded to the Santa Cruz County Environmental Health Services for their review and comment. If you have any questions concerning the data, conclusions or recommendations presented in this report, please call our office.

Very truly yours,

PACIFIC CREST ENGINEERING INC.

David Eckhardt
Staff Geologist

Michael D. Kleames, G.E.
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Exp. 3/31/06

Copies: 4 to Mr. Charles Canfield, Santa Cruz Seaside Company

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LIMITED PHASE II SOIL AND GROUNDWATER INVESTIGATION

INTRODUCTION

This Limited Phase II Soil and Groundwater Investigation focuses on the impact of Total Petroleum Hydrocarbons (TPH) as diesel, gasoline, and motor oil as well as the gasoline constituents BTEX and MTBE to the soil in the former underground storage tank area. At the Clients request, additional and follow-up test borings were also advanced in the Southern Fill Area to check for possible environmental impacts at that location.

Former Underground Storage Tank Area

An Environmental Site Assessment (ESA) was completed for the several properties dated June, 2004, by Environmental Investigation Services, Inc. The properties included in the ESA were 999, 1035, 1039 and 1075 Main Street in Watsonville, California. This study noted that at 1035 Main Street, there was a historical record of two 6,000-gallon gasoline Underground Storage Tanks (USTs) and one 6,000-gallon diesel UST. These tanks were in service for approximately 25 years and were removed under permit from the City of Watsonville in 1984. The report indicated no soil samples were collected during the UST removals. The fire inspector noted that each UST was in good shape, no leaks or indication of flammable liquids were found in the excavations after the tanks were removed.

Southern Fill Area

The ESA also noted there were old cars abandoned at the rear of the subject property at 1075 Main Street, along with old tires stacked on-site, heavy grease accumulation on a concrete slab, and some oil splashed on the side of a building. In addition, the properties at 999 and 1017 Main Street appear to have been occupied by auto repair businesses at some point in the past. These areas could be additional areas of environmental concern.

In addition, the ESA noted that the property at 1075 Main Street had Fire Department records during the period of 1968 to 1971 that indicated the tenants of the subject property dumped combustible materials including hay, tires, lumber, old cars and parts over the bank on the west side of the subject property (now referred to as the southern fill area). The ESA recommended "checking under vegetation in the area on the west side of the subject property where there was historical dumping of auto related materials." Refer to page 4 of the ESA report.

During the preliminary geotechnical investigation significant levels of TPH as diesel and motor oil were detected within Boring No. 7, located in the southern fill area. We recommended that a total of five follow-up borings be advanced in the area of Boring No. 7 to determine the depth and lateral extent of the impacted soil. The samples were tested for TPH as gasoline, diesel, motor oil, and the gasoline constituents MTBE and BTEX.

After completion of the five follow-up test borings, it was determined that Boring No.7 and the five follow-up test borings (Boring No.'s 8-12) were located on City of Watsonville property to the west, not the subject property of this investigation.

SCOPE OF WORK

Former Underground Storage Tank Area

PCEI's scope of work for the Limited Phase II Investigation was limited to the following: One soil sample from each of the four test borings was obtained from the perimeter of the removed USTs (Refer to **Figure No. 2** within Appendix A for sampling locations) at depths ranging from approximately 8 to 11 feet below the ground surface for a total of four (4) soil samples.

All soil samples were analyzed by McCampbell Analytical Inc., a state certified laboratory, using a standard chain-of-custody. All samples were analyzed for TPH as diesel, gasoline, and motor oil as well as the gasoline constituents BTEX and MTBE.

Southern Fill Area

PCEI's scope of work for the initial and follow up environmental sampling was limited to the following:

Six soil samples from the four geotechnical test borings (Boring No.'s 4-7) and five soil samples from each of the five follow-up environmental test borings (Boring No.'s 8-12) were obtained from the southern fill area (Refer to **Figure No. 2** within Appendix A for sampling locations). The samples were obtained at depths of approximately 2, 5, and 10 feet within Boring No.'s 4 through 7 and at depths of approximately 2, 5, 10, 15, and 20 feet below the ground surface within Boring No.'s 8 through 12 for a total of 31 soil samples from the southern fill area.

All soil samples were analyzed by McCampbell Analytical Inc., a state certified laboratory, using a standard chain-of-custody. All samples were analyzed for TPH as diesel, gasoline, and motor oil as well as the gasoline constituents BTEX and MTBE.

The laboratory reports for the soil samples are located in Appendix B. This report includes tabulated data summaries, a site plan showing the sampling locations, laboratory analytical results as well as chains-of-custodies.

FIELD INVESTIGATION

Former Underground Storage Tank Area

Four 2 inch diameter environmental test borings were advanced on the site on August 12, 2004. The locations of the borings are shown on **Figure 2** within Appendix A. The drilling method used was a Geoprobe "direct push" sampling system. All downhole sampling equipment was decontaminated prior to and in between each boring or sampling location. Samples were collected from the holes created with direct push equipment using plastic

tubes. A geologist from Pacific Crest Engineering Inc., was present during the drilling operations to log the soil encountered and choose selected samples for analysis.

From the environmental borings, located adjacent to the east and west side of the removed USTs, one soil sample from each boring was submitted for analysis. From Boring No.'s 1, 2, 3, and 4 samples were collected at depths of approximately 8, 11, 10, and 10 feet respectively. Samples were labeled with the project number, date and boring number, sealed with Teflon^{R} sheeting, plastic end caps and stored in a pre-cleaned cooler with "blue iced" storage and transported under the standard chain of custody. All test borings were backfilled with neat concrete upon completion of drilling and capped with cold patch AC mix.

The soil samples were submitted to McCampbell Analytical, using standard chain-of-custody procedures.

Southern Fill Area

Four test borings were originally completed in the southern fill area on August 10, 2004 for the purpose of both preliminary geotechnical and environmental evaluation (Boring No.'s 4 to 7). These test borings were completed with a truck-mounted drill rig using a hydraulically operated 6-inch diameter drill auger.

Due to relatively high TPH diesel and motor oil findings within Boring No.7, additional test borings were placed in the area immediately surrounding this test boring. On September 7, 2004, five 2-inch diameter test borings (Boring No.'s 8 through 12) were performed to further evaluate environmental issues in this area. The drilling method used for the follow-up environmental test borings was a Geoprobe "direct push" sampling system. A geologist from Pacific Crest Engineering Inc., was present during the drilling operations to log the soil encountered and to choose soil sampling type and locations.

On October 7, 2004, PCEI was provided with a property boundary map, completed by Dunbar and Craig land surveyors. This boundary map indicated Boring No.'s 7 to 12 were located on City of Watsonville property immediately to the west.

Appendix A contains the site plan showing the locations of the test borings and the Log of Test Borings presenting the soil profile explored in each boring, the sample locations, and the SPT "N" values for each sample. Stratification lines on the boring logs are approximate as the actual transition between soil types may be gradual.

SOIL CONDITIONS

Former Underground Storage Tank Area

Soil Borings

Underlying the asphaltic concrete (AC) and aggregate base (AB) section, which ranged from 5 to 8 inches, our test borings encountered native soils consisting of damp to very damp silty sand. These silty sands were underlain by interbedded sands, silts, and clays

No free groundwater was encountered within the four test borings advanced to the maximum depth explored of 44 feet.

Southern Fill Area

Soil Borings
Loose fill soils, consisting of native material, were encountered in the southern fill area within Boring No.'s 4 through 12. The average depth of fill soil was 11 ½ feet. Underlying the loose fill soils within Boring No. 4 was loose native soil consisting of moist silty sand. Within Boring No.'s 5, 6, and 7 underlying the loose fill soils were stiff to very stiff, silt and silty clay. Located within Boring No.'s 5 and 6 at a depth of approximately 19 ½ and 15 respectively our borings encountered a 1 ½ to 2 ½ foot layer of organic peat. Underlying the fill soils within Boring No.'s 8 through 12 was interbedded very moist silts and clays.

No free groundwater was encountered within ten of the eleven test borings advanced to the maximum depth explored of 44 feet. A small perched water zone was encountered within Boring No.5 at a depth of approximately 13 feet.

INVESTIGATIVE FINDINGS

Laboratory Results
McCampbell Analytical Inc., a state-certified laboratory, performed the analysis on the soil samples for the project. All laboratory reports for the soil samples are located in Appendix B.

Table 3 and 4 within Appendix B contains a summary of the analytical laboratory results for TPH as diesel, gasoline, and motor oil as well as the gasoline constituents BTEX and MTBE within the soil samples (all results are in ppm or mg/Kg).

Former Underground Storage Tank Area
All soil samples tested non-detect for TPH as gasoline and diesel as well as gasoline constituents MTBE and BTEX except for EB-1-2 at a depth of 8 feet which detected trace amounts of Toluene at 0.0051 ppm (this is just above the laboratory detection limit of 0.005 ppm).

Southern Fill Area
For Boring No.'s 4 through 6 all soil samples tested non-detect for Total Petroleum Hydrocarbons (TPH) as gasoline except for the sample obtained at a depth of 1.5 feet within Boring No. 4, which contained a trace amount at 1.8 ppm. Small quantities of diesel and motor oil were encountered within Boring No.'s 4 to 6 in the southern fill area of the subject property, with TPH diesel ranging from 1.2 to 14 ppm, and TPH motor oil ranging from non-detect to 110 ppm.

Boring No.'s 7 through 12 were later determined to be located off the subject property, on City of Watsonville property to the west. The Client should be aware that TPH diesel was found with concentrations as high as 1,000 ppm, and TPH motor oil was found with concentrations as high as 5,500 ppm in these test borings. Refer to Table 1 attached and the laboratory test results for additional information.

Draft

CONCLUSIONS

Former Underground Storage Tank Area

The test borings in the former underground fuel tank area of 1075 Main Street did not find any significant levels of petroleum compounds. Only a trace amount of the gasoline constituent Toluene was detected within one of the four borings (EB-1-2) at a depth of 8 feet at 0.0051 ppm. All other soil samples were non-detect for TPH as gasoline, diesel, motor oil, BTEX and MTBE compounds.

When the tanks were removed the fire inspector noted that each UST was in good shape, no leaks or indication of flammable liquids were found in the excavations after the tanks were removed. This is supported by our findings and no further testing appears to be warranted in this area.

Southern Fill Area

Boring No.'s 4 through 6 performed on the subject property encountered relatively low levels of TPH diesel and motor oil compounds, and only trace amounts of TPH gasoline. Based on the sampling performed at these specific locations, the impacts from petroleum related compounds appears relatively minor. We do not believe these specific areas on the subject property warrant any significant environmental remediation.

The Client should also be aware that TPH diesel was found with concentrations as high as 1,000 ppm, and TPH motor oil was found with concentrations as high as 5,500 ppm in Boring No.'s 7 through 12 located on the City of Watsonville property immediately west of the subject property.

The test borings completed in the southern fill area should be considered preliminary. Should the Client decide to purchase the property, it is with the full understanding that this study is not providing a guarantee or warranty the subject property is free of any environmental impacts. Additional test borings could determine areas with potentially higher petroleum impacts, as was found in the area of Boring No.7 (located off the subject property). It is also possible additional test borings could continue to find relatively low levels of petroleum compounds – or no impacts, as was found in Boring No.'s 4 through 6 (located on the subject property). The Client may also want to consult an environmental attorney regarding the responsibilities that will be assumed once the property is purchased.

We recommend this report be forwarded to the Santa Cruz County Environmental Health Services (SCCEHS) for their review to determine if they concur with our assessment that the test borings performed on the subject property do not warrant additional environmental study or remediation. However, the SCCEHS may conclude the findings for the City of Watsonville property does warrant further assessment and\or remediation. Environmental remediation for environmental impacts to soil and groundwater rests solely with the property owner (past or present).

PRELIMINARY GEOTECHNICAL INVESTIGATION

PURPOSE AND SCOPE

This report describes the preliminary geotechnical investigation and presents results, including preliminary foundations design and major geotechnical issues associated with the project site located at 999, 1035, 1039, and 1075 Main Street in Watsonville, California. Our scope of services for this project has consisted of:

1. Discussions with you.

2. Review of the pertinent published material concerning the site including geologic and topographic maps, aerial photos, and other available literature.

3. The drilling and logging of 7 test borings for both geotechnical and environmental issues.

4. Laboratory analysis of retrieved soil samples.

5. Engineering analysis of the field and laboratory results.

6. Preparation of this report summarizing the results of the soil samples and analyses. Typical figures presented within this report include: a Regional Site Map, Site Plan Showing Boring Locations, and Soil Sampling Logs. This report also includes the certified analytical reports and chain-of-custody.

LOCATION AND DESCRIPTION

The commercial building complex is located on the south side of Main Street (Figure No.1, Regional Site Plan) with location addresses 999, 1035, 1039, and 1075 Main Street in Watsonville, California. The site is relatively flat with a moderate to steep slope surrounding the perimeter of the property. Part of the flat area appears to have been formed by cutting the central area and filling the perimeter areas. The northern area, approximately 2/3 of the property, is developed with one storey commercial buildings and the southern area is undeveloped. There are five structures located on the property with the following businesses operating from them: Auto Truck Depot, Eclipse Window Tint, Rafael & Son, Street Scene, Mr. Ranchito Supermercaco, The Tire Shop, and Taqueria Mundial. There are old cars abandoned to the west of the tire shop in the southwest area of the site. The southern part of the southern fill area is covered with heavy vegetation.

Draft

FIELD INVESTIGATION

Soil Borings

Seven 6-inch diameter test borings were drilled on the site on August 10, 2004. The location of the test borings are shown on Figure No. 2, Site Plan Showing Test Borings. The drilling method used was a hydraulically operated continuous flight augers. A geologist from Pacific Crest Engineering Inc., was present during the drilling operations to log the soil encountered and to choose soil sampling type and locations. Relatively undisturbed soil samples were obtained at various depths by driving a split spoon sampler 18 inches into the ground. This was achieved by dropping a 140 pound down hole safety hammer through a vertical height of 30 inches. The number of blows needed to drive the sampler for each 6 inch portion is recorded and the total number of blows needed to drive the last 12 inches is reported as the Standard Penetration Test (SPT) value. The outside diameter of the samplers used in this investigation was either 3 inches or 2½ inches, and is noted respectively as "L" or "M" on the boring logs. All standard penetration test data has been normalized to a 2 inch O.D. sampler so as to be the SPT "N" value.

Appendix A contains the site plan showing the locations of the test borings and the Log of Test Borings presenting the soil profile explored in each boring, the sample locations, and the SPT "N" values for each sample. Stratification lines on the boring logs are approximate as the actual transition between soil types may be gradual.

LABORATORY INVESTIGATION

The laboratory testing program was developed to help in evaluating the engineering properties of the materials encountered on the site. Laboratory tests performed include:

a. Moisture Density relationships in accordance with ASTM test D2937.

The results of the Moisture Density tests are presented on the boring logs opposite the sample tested.

SOIL CONDITIONS

Regional Geologic Maps

The surficial geology in the area of the project site is mapped as Basin deposits (Brabb, 1989). The Basin deposits are described as unconsolidated, plastic, silty clay and clay rich in organic material. Locally the deposits contain interbedded thin layers of silt and silty sand. The native soils encountered within the test borings are consistent with this description.

Soil Borings

Our borings encountered native soils consisting of damp to wet, loose to dense, clayey sand to silty sand with interbedded moist to very moist, stiff to hard, silt, clay, and clayey silt.

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Loose native soils were encountered within Boring No.'s 2 and 3 to a depth of approximately 4 to 2 ½ feet respectively. Expansive clays were encountered within Boring No.'s 1, 2, and 3 at depths ranging from 2 ½ to 5 feet.

Loose fill soils, consisting of native material, were encountered in the Southern Fill Area within Boring No.'s 4 through 7. The fill soil extended to a depth of approximately 11, 10, 10, and 9 feet respectively. Underlying the loose fill soils within Boring No. 4 was loose native soil consisting of moist silty sand. Within Boring No.'s 5, 6, and 7 underlying the loose fill soils were stiff to very stiff, silt and silty clay. Located within Boring No.'s 5 and 6 at a depth of approximately 19 ½ and 15 respectively our borings encountered a 1 ½ to 2 ½ foot layer of organic peat.

No free groundwater was encountered within ten of the eleven test borings advanced to the maximum depth explored of 44 feet. A small perched water zone was encountered within Boring No.5 at a depth of approximately 13 feet.

REGIONAL SEISMIC SETTING

The seismic setting of the site is one in which it is reasonable to assume that the site will experience significant seismic shaking during the lifetime of the project. Based upon our review of the Maps of Known Active Fault Near-Source Zones in California and Adjacent Portions of Nevada (CDMG, 1998), active or potentially active faults which may significantly affect the site include those listed in the Table No. 1, below.

TABLE No. 1, Faults in the Santa Cruz Area

Fault Name	Distance (miles)	Distance (km.)	Direction	Type*	Slip Rate* (mm/yr)	MG Max.*
San Andreas – 1906 Segment	4⅞	7⅔	Northeast	A	24	7.9
San Gregorio	21½	34½	Southwest	A	5	7.3
Zayante – Vergeles	2⅛	3½	Northeast	B	0.1	6.8
Monterey Bay – Tularcitos	15⅛	24½	Southwest	B	0.5	7.1
Sargent	8⅔	13⅞	Northeast	B	3	6.8

*Source: CDMG, February, 1998

SEISMIC HAZARDS

Seismic hazards which may affect project sites in the Santa Cruz area include ground shaking, ground surface fault rupture, liquefaction and lateral spreading, and seismically induced slope instabilities.

Ground Shaking

Ground shaking will be felt on the site. Structures founded on thick soft soil deposits are more likely to experience more destructive shaking, with higher amplitude and lower frequency, than structures founded on bedrock. Generally, shaking will be more intense closer to earthquake epicenters. Thick soft soil deposits large distances from earthquake epicenters, however, may result in seismic accelerations significantly greater than expected in bedrock. Structures built in accordance with the latest edition of the Uniform Building Code for Seismic Zone 4 have an increased potential for experiencing relatively minor damage which should be repairable. The seismic design of the project should be based on the 1997 Uniform Building Code as it has incorporated the most recent seismic design parameters. The following values for the seismic design of the project site were derived or taken from the 1997 UBC.

TABLE No. 2, The 1997 UBC Seismic Design Parameters

Seismic Zone	Zone 4
Seismic Zone Factor	Z = 0.4
Soil Profile Type	Stiff Soil (S_D)
Near Source Factor N_a	N_a =1.2
Seismic coefficient C_a	C_a =0.51
Near Source Factor N_v	N_v =1.4
Seismic coefficient C_v	C_v =0.90

Ground Surface Fault Rupture

Ground surface fault rupture occurs along the surficial trace(s) of active faults during significant seismic events. Pacific Crest Engineering Inc., has not performed a specific investigation for the presence of active faults on the project site. The nearest known active or potentially active fault is mapped approximately 2⅛ miles (approximately 3½ km) from the site (CDMG, 1998), the potential for ground surface fault rupture at this site is low.

Liquefaction

Liquefaction tends to occur in loose, saturated fine grained sands or coarse silts. Based upon our review of the regional liquefaction maps (Dupre', 1975) your site is located in an area classified as high potential for liquefaction. Our site specific investigation of this project site, including the nature of the subsurface soil, the location of the ground water table, and the estimated ground accelerations, leads to the conclusion that the liquefaction potential is low.

Liquefaction Induced Lateral Spreading

Liquefaction induced lateral spreading occurs when a liquefied soil mass fails toward an open slope face, or fails on an inclined topographic slope. Our analysis of the project site indicates that the potential for liquefaction to occur is low, and consequently the potential for lateral spreading is also low.

Landsliding

Seismically induced landsliding is a hazard which may affect the fill slopes on the outer fringe of the project site. A rigorous numerical analysis of the stability of the slopes on and surrounding your project site was beyond our scope of services on this project.

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DISCUSSIONS, CONCLUSIONS AND RECOMMENDATIONS

GENERAL

1. The results of our investigation indicate that from a geotechnical engineering standpoint the property may be developed as proposed provided these recommendations are included in the design and construction.

2. Our laboratory testing indicates that the near surface soils possess low expansive properties.

3. It is our understanding that at present, all development will likely occur away from the Southern Fill Area. We would recommend major development be set-back at least **50 feet** from the top of slope areas for the southern portions of the site.

4. Although further test borings will be required to confirm site grading and foundation designs, it appears that the site can likely be developed with standard conventional spread footings, with removal and recompaction of the upper 3 to 4 feet of on-site soil. This assumes building heights of two-stories or less. We would roughly estimate allowable soil bearing values of 2,000 to 2,500 psf, dead plus normal live loading.

5. It is possible that there are areas of man-made fill on the project site that our field investigation did not detect (away from the Southern Fill Area). Areas of man-made fill, if encountered on the project site will need to be completely excavated to undisturbed native material for areas of planned buildings or new pavement. The excavation process should be observed and the extent designated by a representative of Pacific Crest Engineering Inc., in the field. Any voids created by fill removal must be backfilled with properly compacted approved native soils that are free of organic and other deleterious materials, or with approved imported fill.

6. Cut and fill slopes will need to be no steeper than 3:1 (h:v) to meet City of Watsonville grading requirements.

7. We would roughly estimate a required pavement section ranging from 2 to 3 inches of asphaltic concrete, overlying 9 to 13 ½ inches of Class 2 aggregate base, for a Traffic Index ranging between 4-1/2 and 6-1/2 respectively.

8. Once the building locations and site development details are finalized, we recommend that you contact our firm for preparation of a final geotechnical report for the project site. These recommendations are considered preliminary and should not be used for final project design.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. It should be understood that our environmental investigation was limited solely to petroleum related compounds. There could be other environmental contaminants present which our preliminary investigation did not detect. This includes heavy metals (such as arsenic or lead), pesticides, solvents, asbestos, radon, and other hazardous chemicals or compounds.

2. This preliminary study was prepared specifically for you and for the specific project and location described in the body of this report. This report and the recommendations included herein should be utilized for this specific project and location exclusively. This preliminary study should not be applied to nor utilized on any other project or project site.

3. The recommendations of this report are based upon the assumption that the soil conditions do not deviate from those disclosed in the borings. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that planned at the time, our firm should be notified so that supplemental recommendations can be given.

4. The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural process or the works of man, on this or adjacent properties. In addition, changes in applicable or appropriate standards occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or partially, by changes outside of our control. This report should therefore be reviewed in light of future planned construction and then current applicable codes.

5. This report was prepared upon your request for our services in accordance with currently accepted standards of professional geotechnical engineering practice. No warranty as to the contents of this report is intended, and none shall be inferred from the statements or opinions expressed.

DRAFT

Important Information About Your

Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

The following information is provided to help you manage your risks.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you* — should apply the report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations" many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

Rely, on Your ASFE-Member Geotechncial Engineer for Additional Assistance

Membership in ASFE/The Best People on Earth exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you ASFE-member geotechnical engineer for more information.

ASFE
The Best People on Earth

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@asfe.org www.asfe.org

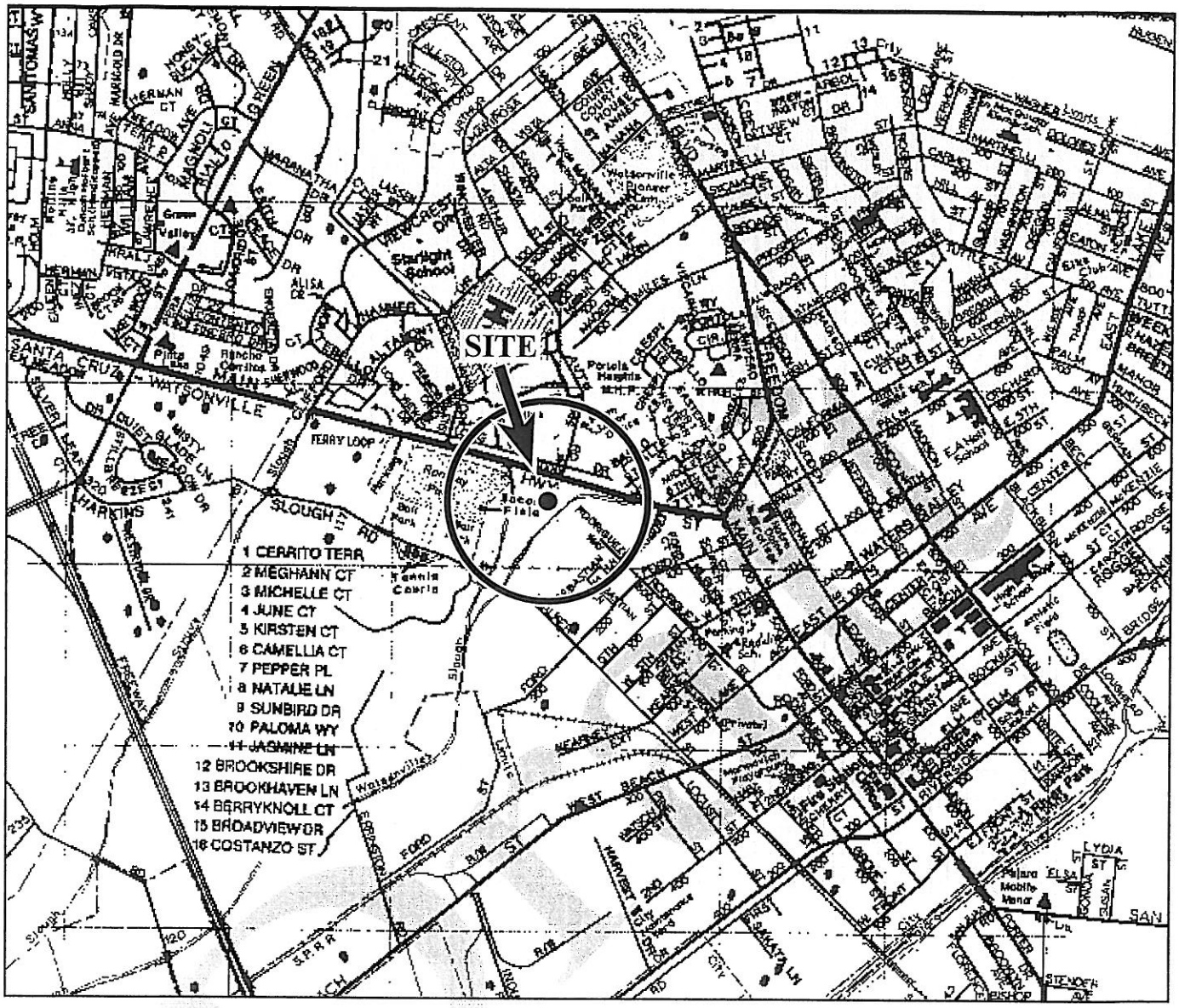
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APPENDIX A

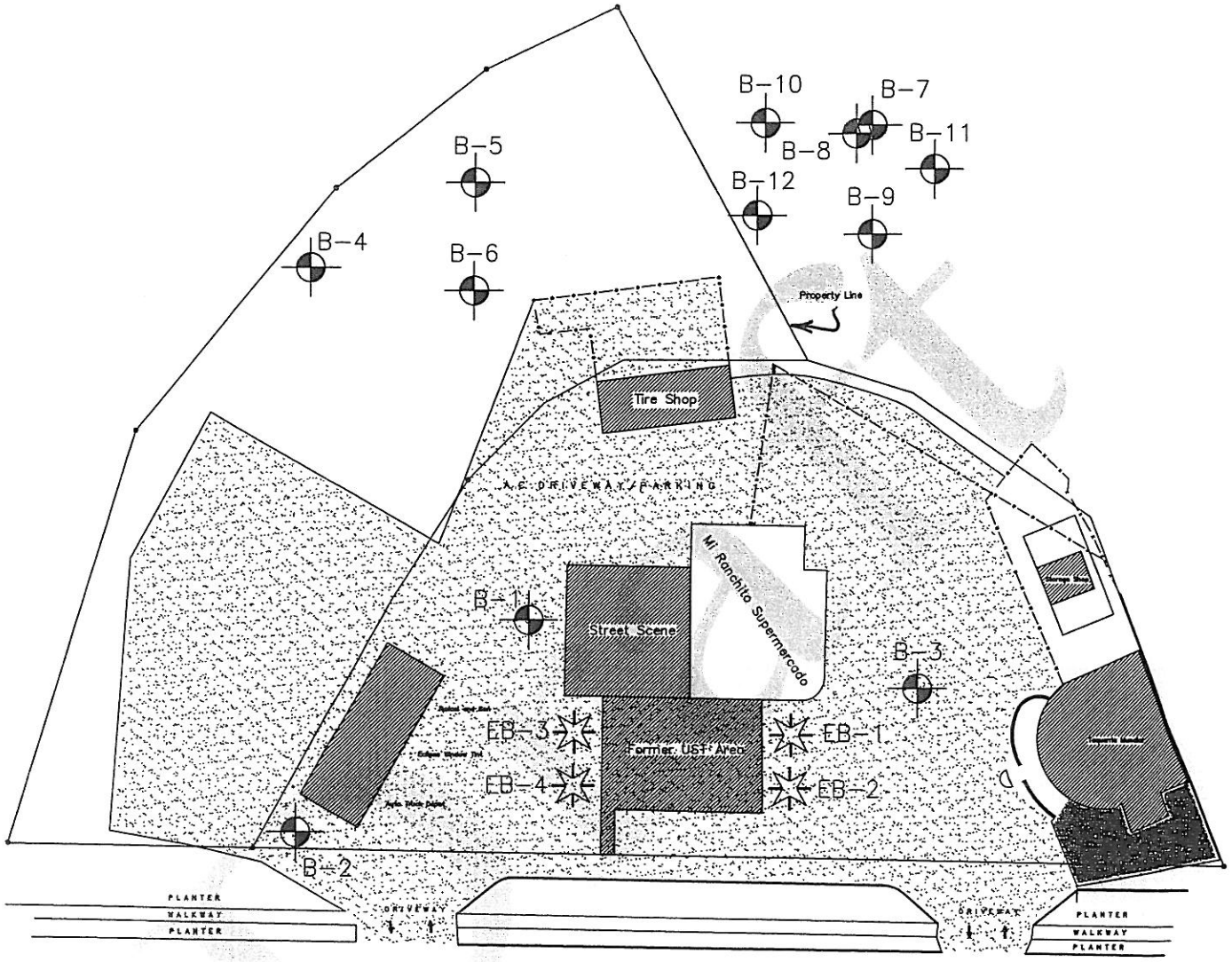
Regional Site Plan
Site Plan Showing Test Borings
Boring Log Explanation
Log of Test Borings

Draft



Base Map from Regal Map Company

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Regional Site Plan** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 1 Project No. 0481 Date: 10/12/04



N

= APPROXIMATE LOCATION OF ENVIRONMENTAL TEST BORING

= APPROXIMATE LOCATION OF GEOTECHNICAL TEST BORING

PACIFIC CREST ENGINEERING INC.

444 AIRPORT BLVD SUITE 106 TEL (831) 722-9446
WATSONVILLE, CA 95076 FAX (831) 722-9158

999, 1035, 1039 AND 1075 MAIN STREET
WATSONVILLE, CALIFORNIA

10/12/04 0498
REV. 0 MDK

SITE PLAN SHOWING TEST BORING LOCATIONS

FIGURE 2

Pacific Crest Engineering Inc. 10/12/2004 1:07 PM New Site Plan with Borings.dwg

UNIFIED SOIL CLASSIFICATION SYSTEM - ASTM D2488 (Modified)

PRIMARY DIVISIONS			GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN #200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN #4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)	GW	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels or gravels-sand mixtures, little or no fines
		GRAVELS (MORE THAN 12% FINES)	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN #4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)	SW	Well graded sands, gravelly sands, little or no fines
			SP	Poorly graded sands or gravelly sands, little or no fines
		SANDS (MORE THAN 12% FINES)	SM	Silty sands, sand-silt mixtures, non-plastic fines
			SC	Clayey sands, sand-clay mixtures, plastic fines
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN #200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 35%		ML	Inorganic silts and very fine clayey sand silty sands, with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly, sand, silty or lean clays
			OL	Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS LIQUID LIMIT IS BETWEEN 35% AND 50%		MI	Inorganic silts, clayey silts and silty fine sands of intermediate plasticity
			CI	Inorganic clays, gravelly/sandy clays and silty clays of intermediate plasticity
			OI	Organic clays and silty clays of intermediate plasticity
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Organic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils

BORING LOG EXPLANATION

LOGGED BY_____ DATE DRILLED_____ BORING DIAMETER_____ BORING NO.____

Depth, ft.	Sample No. and Type	Symbol	SOIL DESCRIPTION	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density, p.c.f.	Moisture % of Dry Wt.	MISC. LAB RESULTS
1			← Ground water elevation						
2	1-1 L		← Soil Sample Number ← Soil Sampler Size/Type L = 3" Outside Diameter M = 2.5" Outside Diameter T = 2" Outside Diameter ST = Shelby Tube BAG = Bag Sample						
3									
4									
5									

NOTE: All blows/foot are normalized to 2" outside diameter sampler size

RELATIVE DENSITY

SANDS AND GRAVELS	BLOWS/FOOT
VERY LOOSE	0-4
LOOSE	4-10
MEDIUM DENSE	10-30
DENSE	30-50
VERY DENSE	OVER 50

CONSISTENCY

SILTS AND CLAYS	BLOWS/FOOT
VERY SOFT	0-2
SOFT	2-4
FIRM	4-8
STIFF	8-16
VERY STIFF	16-32
HARD	OVER 32

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Regional Site Plan** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 3 Project No. 0481 Date: 09/30/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-1

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
			2" AC						
			6" Baserock						
1			Native	SM-SC					
2									
3									
4	1-1 EB		Yellowish brown Silty SAND, fine grained sand, damp					6.9	
5									
6									
7									
8	1-2 EB		Yellowish brown Clayey Silty SAND, medium grained sand, very damp						
9									
10	1-3 EB		Olive brown SILT, moist	ML				25.0	
11				SM					
12	1-4 EB		Yellowish brown Silty SAND, medium grained sand, very damp					11.5	
13									
14			Yellowish brown Sandy SILT, moist	ML				16.6	
15	1-5 EB		Yellowish brown Silty SAND, very damp	SM					
16									
17									
18									
19	1-6 EB		Olive brown Sandy SILT, iron oxide staining, moist	ML				34.4	
20									
21				SM					
22	1-7 EB		Olive brown Silty SAND, medium grained sand					6.6	
23									
24									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 4 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-1

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25	1-8 EB		Yellowish brown Silty SAND, medium grained sand, very damp	SM				11.5	
27	1-9 EB		Yellowish brown Clayey SILT, iron oxide and black staining, moist	MH				35.3	
29			Yellowish brown Gravelly SAND, medium to coarse grained sand, rounded gravel to >1/4", wet	SM					
30				MH					
31	1-10 EB		Olive brown SILT, iron oxide staining, moist					37.9	
34	1-11 EB		Mottled olive and yellowish brown Clayey SILT, moist					36.3	
44			Boring Terminated at 44'						

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Watsonville, CA 95076

Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 5
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-2

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
0			2" AC 5" Baserock						
1			Native	SM					
3	2-1 EB		Yellowish brown Silty SAND, fine grained sand, damp					6.7	
6				MI					
7	2-2 EB		Yellowish brown Sandy SILT, very fine grained sand, iron oxide staining					30.0	
9			Yellowish brown Silty SAND, medium grained sand, trace subrounded gravel to >1/8", very damp	SM					
11	2-3 EB		Mottled gray and yellowish brown Sandy SILT, very fine grained sand, iron oxide staining, moist	ML					
14	2-4 EB		Yellowish brown Sandy SILT, very fine grained sand, iron oxide staining, moist					19.6	
16			Yellowish brown Silty SAND, fine grained sand, very damp	SM					
18	2-5 EB		Yellowish brown Sandy SLIT, very fine grained sand, iron oxide staining	ML				23.8	
20				SM					
21	2-6 EB		Yellowish brown Silty SAND, fine grained sand, very damp					5.3	
24									

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Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 6
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-2

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25	2-7 EB		Yellowish brown Silty SAND, medium grained sand, very damp	SM				5.0	
26				CH					
27									
28	2-8 EB		Yellowish brown Silty CLAY, iron oxide and black staining, very moist						
29								37.7	
30									
31									
32	2-9 EB		Yellowish brown Silty CLAY, iron oxide and black staining, very moist						
33								36.1	
34			Boring Terminated at 33'						
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 7 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-3

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
0			1" AC, 4" Baserock						
1			Native	SM					
3	3-1 EB		Yellowish brown Silty SAND, fine grained sand, very damp					8.4	
7	3-2 EB		Yellowish brown Silty SAND, fine grained sand, very damp					10.7	
10	3-3 EB		Yellowish brown Silty SAND, medium grained sand, very damp						
14	3-4 EB		Yellowish brown Silty SAND, medium grained sand, very damp					7.6	
17				ML					
18	3-5 EB		Yellowish brown Sandy SILT, very fine grained sand					26.5	
21				SM-ML					
22	3-6 EB		Yellowish brown Silty SAND/Sandy SILT, fine grained sand, iron oxide staining, micaceous, moist					17.6	
24									

ORIGINAL

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 8 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-3

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25				SM					
26	3-7 EB		Yellowish brown Silty SAND, fine grained sand, very damp					11.2	
27									
28									
29				MH					
30	3-8 EB		Gray Clayey SILT, moist					35.6	
31			Boring Terminated at 31'						
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									

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LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-4

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
			2" AC, 3" Baserock						
1			Native	SM					
3	4-1 EB		Yellowish brown Silty SAND, fine grained sand, damp					8.0	
7	4-2 EB		Yellowish brown Silty SAND, fine grained sand, damp					7.8	
11	4-3 EB		Yellowish brown Clayey SILT, moist	MI					
13				SM					
15	4-4 EB		Yellowish brown Silty SAND, fine grained sand, very damp					8.1	
19	4-5 EB		Yellowish brown Silty SAND, fine grained sand, moist					16.5	
23	4-6 EB		Yellowish brown Silty SAND, fine grained sand, moist					9.7	

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 10 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/12/04 BORING DIAMETER 2 1/2" GP BORING NO. EB-4

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25–29	4-7 EB		Yellowish brown Silty SAND, fine grained sand, very moist	SM				12.9	
30–32	4-8 EB		Olive brown Clayey SILT, very moist	MH				42.2	
32			Boring Terminated at 32'						
33–48									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 11 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 1

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
			2" AC						
1			Native	SC					
2	1-1 L		Yellowish brown Clayey SAND, medium grained sand, moist, medium dense		17		112.6	16.3	
3				CH					
4			Yellowish brown CLAY, very moist						
5				SM					
6	1-2 L		Yellowish brown Silty SAND, medium grained sand, moist, medium dense		30		107.1	14.4	
7									
8									
9									
10	1-3 L		Yellowish brown Silty SAND, medium grained sand, moist, medium dense		19		104.3	12.2	
11									
12									
13				ML					
14									
15	1-4 L		Yellowish brown SILT with sand, very fine grained sand, moist, hard		39		103.6	25.0	
16									
17									
18									
19									
20				MH					
21	1-5 L		Light olive brown Clayey SILT, moist, very stiff		23		92.0	7.4	
22			Boring Terminated at 21 1/2'						
23									
24									

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Watsonville, CA 95076

Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 12
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 2

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
			3" AC						
			8" Baserock						
1			Native	SM					
2	2-1 L		Yellowish brown Silty SAND, fine grained sand, very damp, loose						
3					9		99.4	7.4	
4			Yellowish brown CLAY, very moist	CH					
5	2-2 L		Dark brown SILT with trace sand, very fine grained sand, moist, very stiff	ML					
6					21		105.7	15.8	
7									
8				MH					
9									
10	2-3 L		Light olive brown SILT, iron oxide staining, very moist						
11			Yellowish brown SILT with sand, very fine grained sand, moist, hard	ML	31		91.3	33.3	
12									
13									
14									
15	2-4 L								
16			Yellowish brown Silty SAND, fine grained sand, very damp, dense	SM	35		107.2	11.8	
17									
18									
19									
20	2-5 L		Yellowish brown Silty SAND, medium grained sand, moist, medium dense						
21					26		89.9	6.4	
22			Boring Terminated at 21 1/2'						
23									
24									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 13 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 3

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
			2"AC						
1	3-1 L		Native Yellowish brown Silty SAND, fine grained sand, very damp, loose	SM	8		105.4	14.1	
2			Yellowish brown SILT, very moist, stiff	MH					
3				SM					
4									
5	3-2 L		Yellowish brown Silty SAND, fine grained sand, very damp, medium dense						
6					30		104.0	14.7	
7									
8									
9									
10	3-3 L		Yellowish brown Silty SAND, fine to medium grained sand, very damp, medium dense						
11					25		101.9	21.7	
12									
13									
14									
15	3-4 L		Yellowish brown Silty SAND, medium grained sand, very damp, medium dense						
16					26		100.9	15.1	
17									
18									
19									
20	3-5 L								
21			Light olive brown SILT, moist, hard	MI	41		96.2	16.2	
22									
23									
24									

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LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 3

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25	3-6 L		Light olive brown SILT, very moist, hard	MI	31		89.3	36.3	
30	3-7 L		Light olive brown SILT, very moist, hard		31		79.4	38.7	
32			Boring Terminated at 31 1/2'						

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Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 15
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 4

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
0			FILL	SM					
1	4-1 L		Yellowish brown Silty SAND, fine to medium grained sand, trace gravel to >1/8", damp, loose						
2					7		95.5	7.3	
3									
4									
5	4-2 L		Yellowish brown Silty SAND, fine to medium grained sand, trace rounded granite gravel to >2", damp, loose						
6					8		98.6	5.8	
7			Harder drilling						
8									
9									
10	4-3 L		Reddish brown Silty SAND/Sandy SILT with concrete and brick, moist						
11					8		111.3	9.7	
12			NATIVE Dark brown Silty SAND, fine grained sand, moist, loose	SM					
13									
14									
15	4-4 L		Dark brown Sandy GRAVEL, rounded gravel to >3", fine to medium grained sand, very moist, very dense	GP-GW	50/5"				
16			Boring Terminated at 15 1/2' Upon Auger Refusal						
17									
18									
19									
20									
21									
22									
23									
24									

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Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 16
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 5

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	5-1 L		FILL Yellowish brown Sandy SILT, very fine grained sand, damp, very stiff	ML	23		112.6	10.0	
4			Concrete and brick in returns						
5	5-2 L		Dark brown Sandy Clayey SILT, fine grained sand, trace angular gravel to >1/4", moist, very hard		50/3"		99.9	21.7	
10	5-3 L		Native (?) Dark brown Sandy SILT, fine grained sand, gravel to >2", very moist, stiff	ML	14		80.8	26.7	
12			Native Perched Cobble layer at ~14'	ML					
15	5-4 L		No Sample Recovered						
20	5-5 L		Black PEAT, very stiff	PT	23		23.6	226.8	
22			Black CLAY, very moist	CH					
24									

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 17 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 5

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
25	5-6 L		Black CLAY, moist, very stiff	CH	30		90.6	36.1	
26									
27									
28				SC					
29									
30	5-7 M		Yellowish brown Clayey Gravelly SAND, rounded gravel to >1", very moist, medium dense		30		73.6	15.3	
31									
32			Boring Terminated at 31 1/2'						
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 18 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 6

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1			FILL Yellowish brown Silty SAND, fine grained sand, damp	SM					
2			FILL	ML					
5	6-1 L		Dark yellowish brown Sandy SILT with gravel, fine to medium grained sand, angular gravel to >1/2", moist, stiff		14		109.3	14.7	
10	6-2 M		NATIVE Dark gray CLAY, moist, very stiff	CH	26		77.9	37.5	
15	6-3 L		Black PEAT, very stiff	PT	23		33.8	124.3	
17				CH					
20	6-4 L		Black CLAY, very moist, very stiff		28		90.4	36.8	
22			Boring Terminated at 21 1/2'						

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Watsonville, CA 95076

Log of Test Borings
999, 1035, 1039, and 1075 Main Street
Watsonville, California

Figure No. 19
Project No. 0481
Date: 10/12/04

LOGGED BY DE DATE DRILLED 8/10/04 BORING DIAMETER 6" HS BORING NO. 7

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	SPT "N" Value	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	7-1 M		FILL Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, AC fragments, damp, dense	SM	33		97.5	6.1	
5	7-2 M		Yellowish brown Silty SAND with AC, moist, medium dense		12		83.1	13.2	
9	7-3 M		Fill Mottled yellowish brown and dark brown Sandy Silty CLAY, medium grained sand, trace angular gravel to >1/4", stiff	CI	12		97.0	21.6	
13			Native Dark olive brown SILT off auger	MH					
15			Boring Terminated at 15' due to auger refusal						

Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 20 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 9/07/04 BORING DIAMETER 2 1/2" GP BORING NO. 8

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	PID Reading	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	8-1 at 2'		FILL Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, AC fragments, damp	SM	0.5				
5	8-2 at 5'		Yellowish brown Silty SAND with AC, moist		0.4				
9			Fill	CI					
10	8-3 at 10'		Mottled yellowish brown and dark brown Sandy Silty CLAY, medium grained sand, trace angular gravel to >1/4"		0.4				
13			Native Dark olive brown SILT, very moist	MH					
15	8-4 at 15'				0.1				
17			Black CLAY, very moist	CH					
19			Olive brown sandy CLAY, very mois t	CI					
20	8-5 at 20'				0.2				
21			Boring Terminated at 20 1/2'						
24									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 21 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 9/07/04 BORING DIAMETER 2 1/2" GP BORING NO. 9

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	PID Reading	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	9-1 at 2'		FILL Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, damp	SM	0.2				
5	9-2 at 5'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, AC fragments, damp		0.2				
10	9-3 at 10'		Native Dark olive brown SILT, very moist	MH	0.4				
14			Black Clay, very moist	CH					
15	9-4 at 15'				0.1				
16			Olive brown sandy Clay, very moist	CI					
20	9-5 at 20'				0.1				
21			Boring Terminated at 20 1/2'						

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 22 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 9/07/04 BORING DIAMETER 2 1/2" GP BORING NO. 10

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	PID Reading	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
0			FILL	SM					
1	10-1 at 2'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", damp						
2					1.0				
3									
4									
5	10-2 at 5'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/2", concrete fragments, very damp		0.6				
6									
7									
8									
9									
10	10-3 at 10'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", very damp		0.5				
11									
12			Native Dark olive brown SILT, very moist	MH					
13									
14									
15	10-4 at 15'								
16			Black Clayey SILT, very moist	MH	0.4				
17									
18			Dark grayish brown sandy Clay, very moist	CL					
19									
20	10-5 at 20'				0.2				
21			Boring Terminated at 20 1/2'						
22									
23									
24									

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 23 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 9/07/04 BORING DIAMETER 2 1/2" GP BORING NO. 11

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	PID Reading	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	11-1 at 2'		FILL Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", damp	SM	0.3				
5	11-2 at 5'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/2", very damp		0.5				
10	11-3 at 10'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", very damp		0.6				
12			Native Yellowish brown SILT, very moist	MH					
15	11-4 at 15'				0.4				
16			Black Clay, very moist	CH					
20	11-5 at 20'				0.1				
21			Boring Terminated at 20 1/2'						

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 24 Project No. 0481 Date: 10/12/04

LOGGED BY DE DATE DRILLED 9/07/04 BORING DIAMETER 2 1/2" GP BORING NO. 12

Depth (feet)	Sample No. and Type	Symbol	Soil Description	Unified Soil Classification	PID Reading	Plasticity Index	Dry Density (pcf)	Moisture % of Dry Wt.	Misc. Lab Results
1	12-1 at 2'		FILL Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/2", damp	SM	0.2				
5	12-2 at 5'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", very damp		0.8				
10	12-3 at 10'		Yellowish brown Silty SAND with angular gravel, fine to coarse grained sand, gravels to > 1/4", very damp		0.3				
11			Native Dark olive brown SILT, very moist	MH					
15	12-4 at 15'		Black Clay, very moist	CH	0.2				
20	12-5 at 20'		Yellowish brown Clay, very moist		0.1				
21			Boring Terminated at 20 1/2'						

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	**Log of Test Borings** 999, 1035, 1039, and 1075 Main Street Watsonville, California	Figure No. 25 Project No. 0481 Date: 10/12/04

APPENDIX B

Table 3-Soil Sampling Laboratory Results (Former UST Area)
Table 4- Soil Sampling Laboratory Results (Southern Fill Area)
Analytical Laboratory Report
Chain of Custody

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Table No. 3, Soil Sample Results
Former UST Area at 1035 Main Street, Watsonville

		Concentrations in ppm			
Sample Location	Date	TPH as Diesel	TPH as Gas	MTBE	Gasoline Constituents
EB-1-2 from 7½ to 8½"	8/11/04	ND	ND	ND	Toluene 0.0051
EB-2-3 from 11 to 12'	8/11/04	ND	ND	ND	ND
EB-3-3 from 10 to 11'	8/11/04	ND	ND	ND	ND
EB-4-3 @ 10 to 11'	8/11/04	ND	ND	ND	ND

Note:
See soil sampling laboritory results for reporting limits

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Table No. 4 - Soil Sample Results
Southern Fill Area at 1035 Main Street, Watsonville

		Concentration in ppm (or mg\Kg)				
Sample Location	Date	TPH as Diesel	TPH as Gas	TPH as Motor Oil	MTBE	BTEX
4-1-2 @ 2.0'	8/10/04	14	1.8	110	ND	ND
5-1-2 @ 2.0'	8/10/04	1.2	ND	5.9	ND	ND
6-1-2 @ 2.0'	8/10/04	1.8	ND	ND	ND	ND
6-2-2 @ 10.0'	8/10/04	5.6	ND	34	ND	ND
7-1-2 @ 2.0'	8/10/04	4.7	ND	22	ND	ND
7-2-2 @ 5.0'	8/10/04	330	ND	1,700	ND	Xylenes 0.013
8-1 @ 2.0'	9/7/04	ND	ND	ND	ND	ND
8-2 @ 5.0'	9/7/04	470	ND	5,500	ND	ND
8-3 @ 10.0'	9/7/04	1000	ND	3,100	ND	Toluene 0.016
8-4 @ 15.0'	9/7/04	ND	ND	ND	ND	ND
8-5 @ 20.0'	9/7/04	ND	ND	ND	ND	ND
9-1 @ 2.0'	9/7/04	73	ND	580	ND	Xylenes 0.0059
9-2 @ 5.0'	9/7/04	44	ND	280	ND	ND
9-3 @ 10.0'	9/7/04	ND	ND	ND	ND	ND
9-4 @ 15.0'	9/7/04	1.8	ND	ND	ND	ND
9-5 @ 20.0'	9/7/04	ND	ND	ND	ND	ND
10-1 @ 2.0'	9/7/04	1.7	ND	11	ND	ND
10-2 @ 5.0'	9/7/04	1.5	ND	7.5	ND	ND
10-3 @ 10.0'	9/7/04	2.4	ND	15	ND	ND
10-4 @ 15.0'	9/7/04	ND	ND	ND	ND	ND
10-5 @ 20.0'	9/7/04	ND	ND	ND	ND	ND
11-1 @ 2.0'	9/7/04	57	1.9	400	ND	Xylene 0.0062
11-2 @ 5.0'	9/7/04	15	ND	260	ND	ND
11-3 @ 10.0'	9/7/04	3.3	ND	33	ND	ND
11-4 @ 15.0'	9/7/04	ND	ND	ND	ND	ND
11-5 @ 20.0'	9/7/04	1.3	ND	ND	ND	ND
12-1 @ 2.0'	9/7/04	390	ND	3,900	ND	ND
12-2 @ 5.0'	9/7/04	ND	ND	ND	ND	ND
12-3 @ 10.0'	9/7/04	31	ND	280	ND	ND
12-4 @ 15.0'	9/7/04	ND	ND	ND	ND	ND
12-5 @ 20.0'	9/7/04	ND	ND	ND	ND	ND

Note:
See soil sampling laboritory results for reporting limits
Soil sample results from Boring No.'s 7-12 were not from the subject property, but from City of Watsonville property to the west

McCampbell Analytical, Inc.

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Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 MAIN ST	Date Sampled: 08/11/04-08/12/04
444 Airport Blvd., Suite 106		Date Received: 08/16/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 08/16/04
	Client P.O.:	Date Analyzed: 08/16/04-08/18/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0408202

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	4-1-2	S	1.8,g	ND	ND	ND	ND	ND	1	88.2
002A	5-1-2	S	ND	ND	ND	ND	ND	ND	1	79.7
003A	6-1-2	S	ND	ND	ND	ND	ND	ND	1	91.4
004A	6-2-2	S	ND	ND	ND	ND	ND	ND	1	92.4
005A	7-1-2	S	ND	ND	ND	ND	ND	ND	1	93.8
006A	7-2-2	S	ND	ND	ND	ND	ND	0.013	1	114
007A	EB-1-2	S	ND	ND	ND	0.0051	ND	ND	1	102
008A	EB-2-3	S	ND	ND	ND	ND	ND	ND	1	98.9
009A	EB-3-3	S	ND	ND	ND	ND	ND	ND	1	103
010A	EB-4-3	S	ND	ND	ND	ND	ND	ND	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Pacific Crest Engineering Inc. 444 Airport Blvd., Suite 106 Watsonville, CA 95076	Client Project ID: #0481; 1035 MAIN ST	Date Sampled: 08/11/04-08/12/04
		Date Received: 08/16/04
	Client Contact: David Eckhardt	Date Extracted: 08/16/04
	Client P.O.:	Date Analyzed: 08/17/04-08/22/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0408202

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0408202-001A	4-1-2	S	14,g	5	95.9
0408202-002A	5-1-2	S	1.2,g	1	102
0408202-003A	6-1-2	S	1.8,b	1	103
0408202-004A	6-2-2	S	5.6,g	2	104
0408202-005A	7-1-2	S	4.7,g,b	2	98.3
0408202-006A	7-2-2	S	330,g	200	118
0408202-007A	EB-1-2	S	ND	1	111
0408202-008A	EB-2-3	S	ND	1	97.9
0408202-009A	EB-3-3	S	ND	1	98.8
0408202-010A	EB-4-3	S	ND	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 MAIN ST	Date Sampled: 08/11/04
444 Airport Blvd., Suite 106		Date Received: 08/16/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 08/16/04
	Client P.O.:	Date Analyzed: 08/17/04-08/22/04

Diesel Range (C10-C23) & Oil Range (C18+) Extractable Hydrocarbons as Diesel & Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0408202

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0408202-001A	4-1-2	S	14,g	110	5	95.9
0408202-002A	5-1-2	S	1.2,g	5.9	1	102
0408202-003A	6-1-2	S	1.8,b	ND	1	103
0408202-004A	6-2-2	S	5.6,g	34	2	104
0408202-005A	7-1-2	S	4.7,g,b	22	2	98.3
0408202-006A	7-2-2	S	330,g	1700	200	118

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 Main Street	Date Sampled: 09/07/04
444 Airport Blvd., Suite 106		Date Received: 09/08/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 09/08/04
	Client P.O.:	Date Analyzed: 09/09/04-09/15/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409098

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	8-1 @ 2'	S	ND	ND	ND	ND	ND	ND	1	84.2
002A	8-2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	87.5
003A	8-3 @ 10'	S	ND	ND	ND	0.016	ND	ND	1	97.6
004A	8-4 @ 15'	S	ND	ND	ND	ND	ND	ND	1	80.0
005A	8-5 @ 20'	S	ND	ND	ND	ND	ND	ND	1	102
006A	9-1 @ 2'	S	ND	ND	ND	ND	ND	0.0059	1	86.4
007A	9-2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	86.0
008A	9-3 @ 10'	S	ND	ND	ND	ND	ND	ND	1	94.0
009A	9-4 @ 15'	S	ND	ND	ND	ND	ND	ND	1	117
010A	9-5 @ 20'	S	ND	ND	ND	ND	ND	ND	1	101
011A	10-1 @ 2'	S	ND	ND	ND	ND	ND	ND	1	102
012A	10-2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	98.5
013A	10-3 @ 10'	S	ND	ND	ND	ND	ND	ND	1	92.0
014A	10-4 @ 15'	S	ND	ND	ND	ND	ND	ND	1	86.0
015A	10-5 @ 20'	S	ND	ND	ND	ND	ND	ND	1	85.0
016A	11-1 @ 2'	S	1.9,b	ND	ND	ND	ND	0.0062	1	99.7
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

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Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 Main Street	Date Sampled: 09/07/04
444 Airport Blvd., Suite 106		Date Received: 09/08/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 09/08/04
	Client P.O.:	Date Analyzed: 09/09/04-09/15/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409098

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
017A	11-2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	101
018A	11-3 @ 10'	S	ND	ND	ND	ND	ND	ND	1	92.0
019A	11-4 @ 15'	S	ND	ND	ND	ND	ND	ND	1	109
020A	11-5 @ 20'	S	ND	ND	ND	ND	ND	ND	1	91.0
021A	12-1 @ 2'	S	ND	ND	ND	ND	ND	ND	1	ND
022A	12-2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	106
023A	12-3 @ 10'	S	ND	ND	ND	ND	ND	ND	1	105
024A	12-4 @ 15'	S	ND	ND	ND	ND	ND	ND	1	101
025A	12-5 @ 20'	S	ND	ND	ND	ND	ND	ND	1	97.5

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

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Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 Main Street	Date Sampled: 09/07/04
444 Airport Blvd., Suite 106		Date Received: 09/08/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 09/08/04
	Client P.O.:	Date Analyzed: 09/12/04-09/15/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0409098

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0409098-001A	8-1 @ 2'	S	ND	ND	1	112
0409098-002A	8-2 @ 5'	S	470,g,b	5500	200	94.4
0409098-003A	8-3 @ 10'	S	1000,g,b	3100	200	103
0409098-004A	8-4 @ 15'	S	ND	ND	1	116
0409098-005A	8-5 @ 20'	S	ND	ND	1	109
0409098-006A	9-1 @ 2'	S	73,g	580	20	95.4
0409098-007A	9-2 @ 5'	S	44,g	280	10	97.1
0409098-008A	9-3 @ 10'	S	ND	ND	1	118
0409098-009A	9-4 @ 15'	S	1.8,b	ND	1	119
0409098-010A	9-5 @ 20'	S	ND	ND	1	119
0409098-011A	10-1 @ 2'	S	1.7,g,b	11	1	104
0409098-012A	10-2 @ 5'	S	1.5,g	7.5	1	99.4
0409098-013A	10-3 @ 10'	S	2.4,g,b	15	2	98.4
0409098-014A	10-4 @ 15'	S	ND	ND	1	119
0409098-015A	10-5 @ 20'	S	ND	ND	1	119
0409098-016A	11-1 @ 2'	S	57,g,b	400	20	113
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	ug/L	
		S	1.0	5.0	mg/Kg	

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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Pacific Crest Engineering Inc.	Client Project ID: #0481; 1035 Main Street	Date Sampled: 09/07/04
444 Airport Blvd., Suite 106		Date Received: 09/08/04
Watsonville, CA 95076	Client Contact: David Eckhardt	Date Extracted: 09/08/04
	Client P.O.:	Date Analyzed: 09/12/04-09/15/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0409098

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0409098-017A	11-2 @ 5'	S	15,g	260	10	101
0409098-018A	11-3 @ 10'	S	3.3,g,b	33	2	106
0409098-019A	11-4 @ 15'	S	ND	ND	1	119
0409098-020A	11-5 @ 20'	S	1.3,b	ND	1	106
0409098-021A	12-1 @ 2'	S	390,g	3900	200	122
0409098-022A	12-2 @ 5'	S	ND	ND	1	117
0409098-023A	12-3 @ 10'	S	31,g	280	20	92.0
0409098-024A	12-4 @ 15'	S	ND	ND	1	117
0409098-025A	12-5 @ 20'	S	ND	ND	1	119

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0409098

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13022 Spiked Sample ID: 0409088-004A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	98.2	106	7.73	106	103	3.06	70	130
MTBE	ND	0.10	101	98.5	2.27	98.3	98.4	0.0657	70	130
Benzene	ND	0.10	110	113	3.10	112	113	1.08	70	130
Toluene	ND	0.10	87.3	91	4.21	90.2	90.4	0.318	70	130
Ethylbenzene	ND	0.10	107	110	3.28	110	109	0.797	70	130
Xylenes	ND	0.30	94.7	96	1.40	95.7	95.3	0.349	70	130
%SS:	88.7	0.10	106	107	0.912	107	109	2.17	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0409098

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13033 Spiked Sample ID: 0409098-020A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	102	107	4.98	100	101	0.268	70	130
MTBE	ND	0.10	96.7	88.3	9.15	85.8	83.8	2.41	70	130
Benzene	ND	0.10	109	105	4.42	92.4	93.8	1.57	70	130
Toluene	ND	0.10	88.9	84.2	5.43	83.5	83.8	0.438	70	130
Ethylbenzene	ND	0.10	110	102	7.57	110	112	1.29	70	130
Xylenes	ND	0.30	95.3	88	8.00	96.3	100	3.74	70	130
%SS:	91.0	0.10	102	112	9.35	98.6	98.7	0.101	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0409098

EPA Method: SW8015C Extraction: SW3550C BatchID: 13021 Spiked Sample ID: 0409088-004A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	94	93.8	0.183	90	92.2	2.45	70	130
%SS:	115	50	104	103	0.239	101	103	2.11	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

Draft

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0409098

EPA Method: SW8015C Extraction: SW3550C BatchID: 13034 Spiked Sample ID: 0409098-020A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	1.28	150	92.3	94.3	2.09	92.8	91.9	0.996	70	130
%SS:	106	50	104	105	1.43	102	100	1.15	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

Draft

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

PCE

0408202

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: David Bakhtari Bill To: PGE

Company: Pacific Gas Environmental Inc.

E-Mail: dave@pgeenvironmental.com

Tele: ( ) Fax: ( )

Project #: 0481 Project Name: 1035 Main St.

Project Location: 1035 Main St.

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: pH	Other: TSS	Other: Specific Conductivity	Comments
4-1-2		8/11/04	8:30	1	liner		X				X				X	X																
5-1-2			9:30	1			X				X				X	X																
6-1-2			10:30	1			X				X				X	X																
6-2-2			11:30	1			X				X				X	X																
7-1-2			12:30	1			X				X				X	X																
7-2-2			1:30	1			X				X				X	X																
EB-1-2		8/12/04	9:00	1			X				X				X	X																
EB-2-3			12:00	1			X				X				X	X																
EB-3-3			2:00	1			X				X				X	X																
EB-4-3			3:00	1			X				X				X	X																

Relinquished By:	Date:	Time:	Received By:
	8/13/04	1345	8/13/04
Relinquished By:	Date:	Time:	Received By:
Relinquished By: Fed Ex	Date: 8/13	Time: 8:30	Received By:

ICE/t° ✓ ✓

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

DECHLORINATED IN LAB ✓ PERSERVED IN LAB ✓

PRESERVATION APPROPRIATE ✓

VOAS	O&G	METALS	OTHER

CONTAINERS ✓

REC'D SEALED & INTACT VIA Fed Ex

XF 0409098

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: David Eckhardt	Bill To: PCEI
Company: Pacific Crest Eng. Inc.	
	E-Mail: dave@pacengineering.net
Tele: (831-722-9446	Fax: (831-722-9155
Project #: 0481	Project Name: 1035 Main St.
Project Location: 1035 Main Street, Watsonville, Ca 95076	
Sampler Signature: David Eckhardt	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
8-1@2'		9/7/04	8:00	1	liner		X				X			
8-2@5'			8:10	1										
8-3@10'			8:20	1										
8-4@15'			8:30	1										
8-5@20'			8:40	1										
9-1@2'			9:00	1										
9-2@5'			9:10	1										
9-3@10'			9:20	1										
9-4@15'			9:30	1										
9-5@20'			9:40	1										
10-1@2'			10:00	1										
10-2@5'			10:10	1										
10-3@10'			10:10	1										
10-4@15'			10:20	1										

Analysis Request																Other				Comments
BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	pH	TSS	Specific Conductivity	TPH as Motor oil	
X	X																	X	

Relinquished By:	Date:	Time:	Received By:
	9/7/04	3:15	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date: 9/8	Time: 9:30	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB

PRESERVATION APPROPRIATE ✓

VOAS	O&G	METALS	OTHER

CONTAINERS ✓

REC'D SEALED & INTACT VIA Fed Ex

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: David Eckhardt **Bill To:** PCEI

Company: Pacific Crest Eng. Inc.

E-Mail: dave@pacengineering.net

Tele: ( ) 831-722-9446 **Fax:** ( ) 831-722-9158

Project #: 0481 **Project Name:** 1035 Main St

Project Location: 1035 Main Street Watsonville, CA 95076

Sampler Signature: David Eckhardt

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: pH	Other: TSS	Other: Specific Conductivity	Other: TPH as Motor Oil	Comments
10-5 @ 20'		9/7/04	10:30	1	liner		X				X				X	X																	X
11-1 @ 2'			10:50	1																													
11-2 @ 5'			10:00	1																													
11-3 @ 10'			11:10	1																													
11-4 @ 15'			11:20	1																													
11-5 @ 20'			11:30	1																													
12-1 @ 2'			11:40	1																													
12-2 @ 5'			11:50	1																													
12-3 @ 10'			12:00	1																													
12-4 @ 15'			12:10	1																													
12-5 @ 20'			12:20	1																													

Relinquished By:	Date:	Time:	Received By:
	9/7/04	3:15	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date: 9/8	Time: 9:30	Received By:

ICE/t° _____ PRESERVATION APPROPRIATE ✓

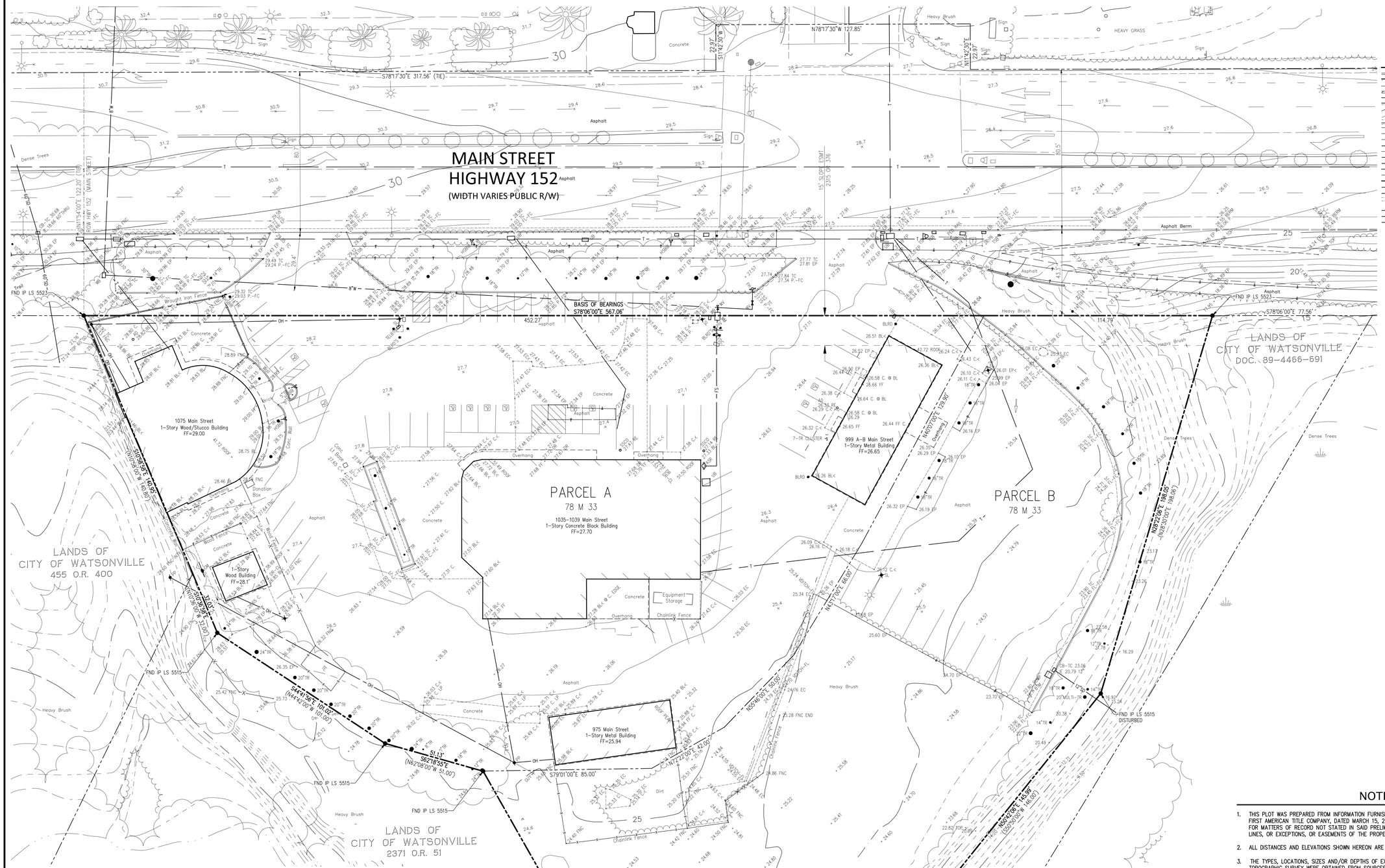
GOOD CONDITION _____ CONTAINERS ✓

HEAD SPACE ABSENT _____

DECHLORINATED IN LAB _____ PERSERVED IN LAB _____

VOAS	O&G	METALS	OTHER

REC'D SEALED & INTACT VIA Fed Ex



NORTH

0 10 20 40 60

Scale 1" = 20 ft

LEGEND

	ASPHALT BERM
	BUILDING LINE
	CENTERLINE
	CONCRETE/BLOCK/RETAINING WALL
	CONCRETE CURB
	CONCRETE CURB & GUTTER
	CONTOUR LINE
	OBSCURED CONTOUR LINE
	DRIVEWAY
	EASEMENT LINE
	EDGE OF PAVEMENT
	EDGE OF WATER-FLOWLINE
E	ELECTRIC LINE
F	FENCE LINE
G GM	GAS LINE-VALVE & METER
JT	JOINT TRENCH
	LOT LINE
	MONUMENT/MONUMENT LINE
	PROPERTY LINE
S SSMH	SANITARY SEWER-MANHOLE & CLEANOUT
SSFM	SANITARY SEWER FORCE MAIN
	SIDEWALK
+300.00	SPOT ELEVATION
SD	STORM DRAIN-MANHOLE & CATCH BASIN
T	TELEPHONE LINE
W	WATER LINE & VALVE
	ELECTROLIER
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	GUY ANCHOR
	GAS METER
HOSEBIBB	
	TELEPHONE BOOTH
	POST INDICATOR VALVE
	POWER POLE/JOINT POLE
	TRANSFORMER
	TRAFFIC SIGNAL POLE
	TRAFFIC SIGN
12"TR	TREE
	UTILITY BOX
	WATER VALVE
W	WELL
	MARSH AREA
BM/TBM	BENCHMARK/TEMPORARY BENCHMARK
CNTRL	SURVEY CONTROL POINT
<	ANGLE POINT
AD	AREA DRAIN
ASR	AUTO SPRINKLER RISER
BC	BACK OF CURB
BEG	BEGIN
BL	BUILDING LINE
BLRD	BOLLARD
BTM	BOTTOM
C	CONCRETE
DOC.	DOCUMENT
DR	DOOR
DYLT	DAYLIGHT
E	EAST
EB	ELECTRIC BOX
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FC	FACE OF CURB
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
FND	FOUND
FS	FIRE SERVICE
FW	FACE OF WALL
GB	GRADE BREAK
GM	GAS MARKER/METER
GRN	GROUND
GUY	GUY ANCHOR
IB	IRRIGATION BOX
IE	INVERT ELEVATION
IP	IRON PIPE
INTX	INTERSECTION
HSBIB	HOSE BIB
LIP	LIP OF GUTTER
LL	LANE LINE
LP	LOW POINT
LT	LIGHT POLE
MON	MONUMENT
N	NORTH
OH	OVERHEAD
O.R.	OFFICIAL RECORD
P.	PAVEMENT
PED	PEDESTAL
PIV	POST INDICATOR VALVE
POC	POINT OF CONNECTION
PP	POWER POLE
RE	RIM ELEVATION
RET	CURB RETURN
ROOF	ROOF LINE
ROW	RIGHT OF WAY
S	SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SL	STREET LIGHT
SSCO	SANITARY SEWER CLEAN OUT
TB	TELEPHONE BOX
TC	TOP OF CURB
TE	TRASH ENCLOSURE
TELBTH	TELEPHONE BOOTH
TGE	GRADE BREAK LINE TOE
TOP	GRADE BREAK LINE TOP
TR	TREE
TRN	TRANSFORMER
TSB	TRAFFIC SIGNAL BOX
TSP	TRAFFIC SIGNAL POLE
TW	TOP OF WALL
UB	UNKNOWN UTILITY BOX
W	WEST
WB	WATER BOX
WM	WATER METER
WV	WATER VALVE

NOTES

1. THIS PLOT WAS PREPARED FROM INFORMATION FURNISHED IN A PRELIMINARY TITLE REPORT, PREPARED BY FIRST AMERICAN TITLE COMPANY, DATED MARCH 15, 2016 NUMBER 4402-5143890. NO LIABILITY IS ASSUMED FOR MATTERS OF RECORD NOT STATED IN SAID PRELIMINARY TITLE REPORT THAT MAY AFFECT THE TITLE LINES, OR EXCEPTIONS, OR EASEMENTS OF THE PROPERTY.
2. ALL DISTANCES AND ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
4. THIS SURVEY DOES NOT SHOW THE LOCATIONS OF THE FOLLOWING UNDERGROUND UTILITY LINES DUE TO THE FACT THAT THE CLIENT HAS NOT FURNISHED KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. WITH ANY PLANS THAT DELINEATE THEIR LOCATIONS: ELECTRIC LINES, GAS LINES, CABLE TELEVISION LINES, NITROGEN LINES, (IF ANY) FIBER OPTIC LINES (IF ANY).
5. BENCHMARK: SANTA CRUZ COUNTY BENCHMARK # 690 IN WATSONVILLE, AT THE INTERSECTION OF RODRIGUEZ STREET AND WEST LAKE AVENUE, A 2-INCH BRASS DISK IN THE NORTHWEST CURB OF THE AVENUE, 9.2 M (30.18 FT) NORTHEAST OF THE CENTERLINE OF THE STREET, 6.5 M (21.33 FT) NORTHWEST OF THE CENTERLINE OF THE AVENUE, 0.6 M (1.97 FT) SOUTH OF A SIGNAL LIGHT POLE, AND LEVEL WITH THE STREET. ELEVATION= 30.90. (CITY OF WATSONVILLE DATUM, NAVD88).
6. BASIS OF BEARINGS:
   THE BEARING OF S 78°06'00" TAKEN ON THE SOUTHERLY RIGHT-OF-WAY LINE OF MAIN STREET (HIGHWAY 152) AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED FOR RECORD ON APRIL 20, 1988, IN BOOK 78 OF MAPS AT PAGE 33, OFFICIAL RECORDS OF SANTA CRUZ COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON.
7. THE AERIAL MAPPING WAS PREPARED USING COMPUTER ASSISTED, PHOTOGRAMMETRIC METHODS BY RADMAN AERIAL SURVEYS, IN SACRAMENTO CALIFORNIA. JOB NUMBER 160023. IN AREAS OF DENSE VEGETATION, ACCURACY OF CONTOURS MAY DEVIATE FROM ACCEPTED ACCURACY STANDARDS. DATE OF PHOTOGRAPHY 4-6-16, ORIGINAL COMPILED MAP SCALE 1"=40', CONTOUR INTERVAL 1 FOOT. THE GRID IS BASED ON A LOCAL ASSUMED COORDINATE SYSTEM. CONTROL SURVEY PERFORMED BY KIER & WRIGHT, LIVERMORE, CA. NOTE: DASHED CONTOURS REPRESENT OBSCURED GROUND AND MAY NOT MEET NATIONAL MAP ACCURACY STANDARDS.

PREPARED BY OR UNDER THE SUPERVISION OF GARY K. LAMB P.L.S. 6627
LICENSE EXPIRES: 9-30-17
04/28/2016 DATE

LICENSED LAND SURVEYOR GARY K. LAMB No. 6627 Exp. 12-31-17 STATE OF CALIFORNIA

NO.	REVISION	BY

KIER & WRIGHT
CIVIL ENGINEERS & SURVEYORS, INC.
2850 Collier Canyon Road
Livermore, California 94551
Phone (925) 245-8788
Fax (925) 245-8796

UTILITY & TOPOGRAPHIC SURVEY
OF
975 AND 1035 MAIN STREET
FOR
975 MAIN STREET ASSOCIATES, LLC
WATSONVILLE, CALIFORNIA

DATE	APRIL, 2016
SCALE	1" = 20'
SURVEYOR	RAS II
DRAFTER	REG
JOB NO.	A16561
SHEET	C1
OF	1 SHEETS

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ASTM E 1527-13 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquiry (AAI) Standard, the **User** (entities seeking to use the ASTM E1527-13 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I. **Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.**

Site Name/Address: 975 Main Street Watsonville, CA

Person Interviewed/Title: _____ Date: _____

If known, when was the property initially developed? ≃ 1945

If different, when were the current building(s) on the property constructed? _____

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate, see note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

Yes ☐ No ☒ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

2. Activity and land use limitations that are in place on the *property* or that have been filed or recorded in a registry (40 CFR 312.26).

Did a search of recorded *land title records* (or judicial records where appropriate, see note 1 below) identify AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed against the *property* under federal, tribal, state, or local law?

Engineering Controls are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes ☐ No ☒ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

Note 1 - In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than land title records. In such cases judicial records must be searched for environmental liens and AULs.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties?
For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes ☐ No ☒ If you answer yes, please include an explanation in the space provided below:

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

a) Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes ☒ No ☐ If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

N/A

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

a. Do you know the past uses of the *property*?

Yes ☒ No ☐

b. Do you know of specific chemicals that are present or once were present at the *property*?

Yes ☐ No ☒

c. Do you know of spills or other chemical releases that have taken place at the *property*?

Yes ☐ No ☒

d. Do you know of any environmental cleanups that have taken place at the *property*?

Yes ☐ No ☒

If you answered yes to any of the questions above, please include an explanation in the space provided below:

Retail, restaurant, towing yard, auto body.

6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property,* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Yes ☐ No ☒ If you answer yes, please include an explanation in the space provided below:

Please provide the following property contact information:

Property Owner: 975 Main St. Associates LLC Phone Number: 831-460-3327

Key Site Personnel: Todd Anderson Phone Number: 831-423-5590

Past Owner: _____ Phone Number: _____

APPENDIX H

Site Photgraphs



Photograph 1:
999 Main Street, facing south-southeast.



Photograph 2:
1035 and 1039 Main Street, facing southwest. 975 Main Street in the background, 999 Main Street on the left.



Photograph 3:
1075 Main Street with unlisted building and garbage area, facing west-southwest (pulled from google maps –not from site recon).



Photograph 4:
975 Main Street, facing south-southeast.



Photograph 5:
Carnival ride parts storage inside of 975 Main Street, facing southeast.



Photograph 6:
Former hydraulic lift markings in 975 Main Street, aerial view.



Photograph 7:
Shelf in closet at 975 Main Street with former auto repair shop chemicals, facing south.



Photograph 8:
Inside of gated area behind 975 Main Street, facing west.



Photograph 9:
Garbage area behind 975 Main Street, facing southwest.



Photograph 10:
Storage container south of 999 Main Street, facing north.



Photograph 11:
Vacant lot on southeast portion of Site, with disturbed soil, facing northeast.



Photograph 12:
Trash off-Site in Watsonville Slough, facing southeast.



Photograph 13:
Boring plugged with stick, soil cuttings on ground in vacant lot, facing north.



Photograph 14:
Stained soil at north end of vacant lot with parked vehicles, aerial view.



Photograph 15:
Stained soil and degraded pavement next to storm drain at east of the Site, facing east.



Photograph 16:
Staining on degraded asphalt behind 999 Main Street, facing northwest.



Photograph 17:
Backside of 999 Main Street with several backfilled borings in pavement, facing northwest.



Photograph 18:
Backfilled boring behind 999 Main Street, aerial view.



Photograph 19:
Post from unknown former structure, facing west.





Photograph 20:
Outside of 999a and 999b Main Street, facing east.



Photograph 21:
Inside of 999b Main Street Eclipse auto shop, facing east.



Photograph 22:
Former pit in 999b Main Street, aerial view.



Photograph 23:
Backroom and frontroom from 999a Main Street used by Eclipse auto shop, facing northeast



Photograph 24:
Front of 999c Main Street, facing northeast



Photograph 25:
Inside of 999c Main Street JV Towing, facing south



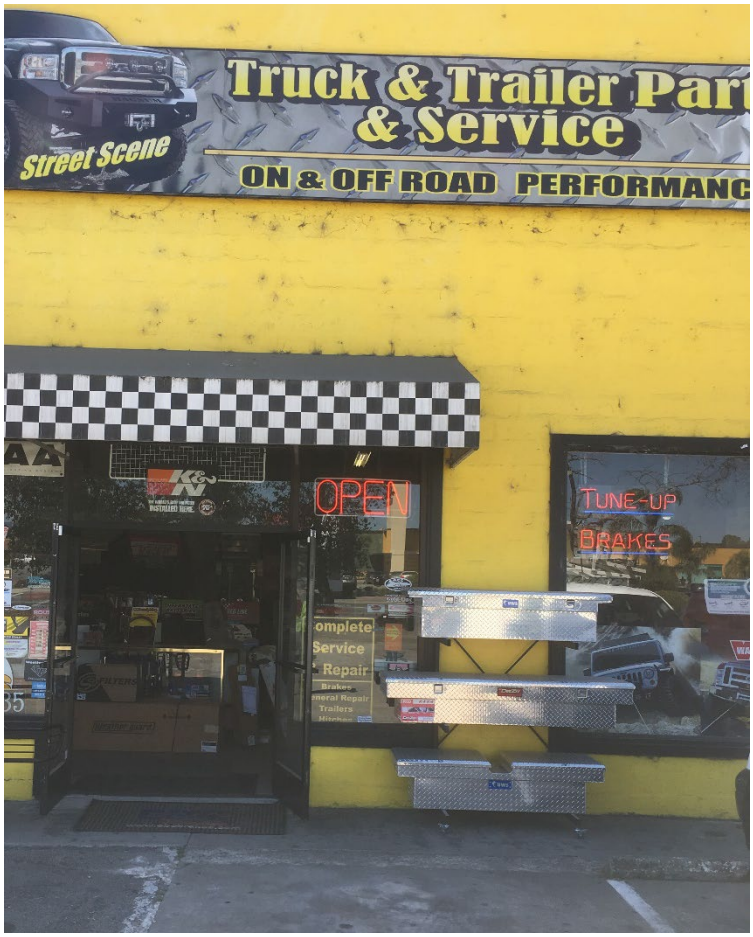
Photograph 26:
Un-labelled waste drum with oil staining on top and side in 999c Main Street shop, facing northeast.



Photograph 27:
Compressor inside 999c Main Street, facing southeast.



Photograph 28:
Cabinets with chemical products inside 999c Main Street, facing northeast.



Photograph 29:
Outside of 1035 Main Street, auto parts store and repair shop, facing south.



Photograph 30:
Inside front auto part store at 1035 Main Street, facing east.



Photograph 31:
Staining on floor of auto part store at 1035 Main Street, aerial views.



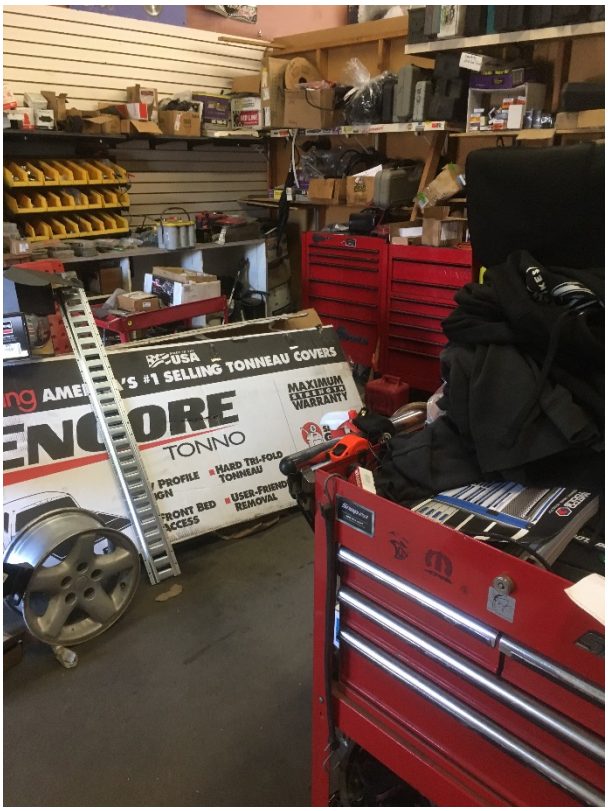
Photograph 32:
Restroom area at 1035 Main Street, facing southeast and east.



Photograph 33:
Compressor at 1035 Main Street, facing west.



Photograph 34:
Unknown structure in floor in back area of 1035 Main Street, aerial view.



Photograph 35:
Tool room in back of 1035 Main Street, facing northwest.



Photograph 36:
Waste oil drum in secondary containment, in auto shop in back of 1035 Main Street, facing north.



Photograph 37:
Hydraulic lift at auto shop in back of 1035 Main Street, facing east.



Photograph 38:
Drum of drained used oil filters in back of 1035 Main Street, facing west.



Photograph 39:
Oil staining in parking lot behind 1035 Main Street, facing west.



Photograph 40:
Outside of supermarket at 1035 Main Street, facing southwest.



Photograph 41:
Inside the supermarket at 1035 Main Street, facing south.



Photograph 42:
Boiler in supermarket at1035 Main Street, facing west..





Photograph 43:
Storage area and inside refrigerator in supermarket at 1035 Main Street, facing south..





Photograph 44:
Floor drain and restroom in supermarket at 1035 Main Street, aerial view / facing west.



Photograph 45:
Inside restaurant at 1075 Main Street, facing north.



Photograph 46:
Kitchen area at 1075 Main Street, facing north.





Photograph 47:
Grease trap and drain outside restaurant at 1075 Main Street, aerial view.



Photograph 48:
Potential residence in roof area at 1075 Main Street, facing north.



Photograph 49:
Front and back of potential residence south of 1075 Main Street, facing south/north.



Photograph 50:
Cars parked at potential residence south of 1075 Main Street, facing west.



Photograph 51:
Garbage area and grease bin at southwest end of Site, facing southwest.



Photograph 52:
Open pipe at southwest end of 1035 Main Street, aerial view.





Photograph 53:
Asphalt patches potentially indicative of former USTs in front of 1035 Main Street, facing west/east.



Photograph 54:
Asphalt patch potentially indicative of a former dispenser island in front of 1035 Main Street, facing east.



Photograph 55:
Asphalt patching potentially indicative of piping from a former dispenser island in front of 1035 Main Street, facing south.





Photograph 56:
Concrete patching in planter west of 1035 Main Street, facing north/aerial view.



Photograph 57:
Open piping releasing grease on west side of 1075 Main Street, facing east.



Photograph 58:
Open unknown structure located on the east side of the Site, aerial view.





Photograph 59:
Commercial properties across Main Street to the north, facing north.



Photograph 60:
76 Gas Station northeast or the Site, facing north.

APPENDIX I

Personnel Qualifications

ROUX

PROFESSIONAL PROFILE

Richard Maxwell
Principal Geologist/Office Manager

TECH SPECIALTIES:

Providing environmental consulting services for commercial, industrial and brownfield redevelopment sites. Primarily focused on the design, implementation, and management of complex investigations including Phase I ESAs; Phase II ESAs; Remedial Investigations; and a variety of remedial actions/mitigations including capping; in-situ injections; groundwater and vapor extraction; and soil excavation.

EXPERIENCE SUMMARY:

Fourteen years of experience: Principal Geologist, Senior Geologist and Project Geologist at Roux Associates and Project Hydrogeologist, Staff Hydrogeologist at Kleinfelder.

CREDENTIALS:

- B.S. Geology, Environmental Geology Track; State University of New York at Stony Brook
- OSHA 40-hour HAZWOPER Training
- OSHA 8-HOUR Refresher Training, Certificate Current
- Transit Worker Identification Credential Card Holder
- ExxonMobil Loss Prevention System certified.

KEY PROJECTS:

- **Former Drycleaner:** Project Principal for the remediation of a former drycleaner located in Redwood City, CA. The drycleaner was previously remediated by others; however, daughter products of PCE persisted in the soil vapor and groundwater. Roux completed an evaluation of existing site data and designed a remedy that included Enhanced Reductive Dechlorination consisting of emulsified lecithin substrate and a natural microbial consortium. Additionally, Roux Associates addressed soil vapor intrusion concerns that were identified through indoor air and sub-slab vapor sampling by restoring the concrete slab then applying a cost-effective vapor intrusion barrier system on the surface of the concrete slab.

- **Sunnyvale:** Project Principal/Project Manager for the redevelopment of a 33-acre former commercial use site into residential use. The Site soils were impacted with lead, arsenic and pesticides as a result of former orchard use and groundwater was impacted with CVOCs due to adjacent and upgradient superfund sites. Roux completed Phase I and Phase II investigations which were instrumental in obtaining a "comfort letter" from the RWQCB which noted that the groundwater impacts were not from an onsite source. The RWQCB is providing regulatory oversight under a voluntary oversight agreement. Roux also completed a vapor intrusion risk assessment which ultimately demonstrated that site-specific risk values were below target values. Even so, the client opted to complete a voluntary vapor intrusion mitigation system which included a vapor barrier and passive sub-slab depressurization system under each of the residential buildings and an innovative in-situ permanent soil vapor barrier that consisted of removing permeable soils in a limited area and replacing them with soils amended with cement in order to remove a preferential vapor pathway

- **Santa Clara Square:** Project Principal/Project Manager for the redevelopment of a 64-acre site which is planned to include retail, office and residential use. The site soils were impacted with lead, arsenic and pesticides as a result of former orchard use. Roux Associates employed high-resolution soil sampling to delineate soil hot-spots and utilized clean samples as re-excavation confirmation samples negating the need to complete post-excavation sampling. This technique minimized soil excavation and off-haul volumes and simplified scheduling, both of which resulted in significant savings to the client. Additionally, the groundwater at the site is impacted with CVOCs that are migrating onsite from upgradient sources. Roux Associates designed and installed vapor barriers and passive sub-slab depressurization systems under each of the buildings.

- **Former Paint Factory:** Project Manager for Brownfields Site that also required a RCRA-compliant facility closure. Due diligence environmental investigations determined historical site operations adversely impacted the subsurface, including an LNAPL plume in addition to petroleum hydrocarbon impacts to the soil and groundwater. Roux Associates provided environmental consulting services for this project including multiple meetings and discussions with regulators; preparation of multiple Interim Remedial Measure work plans, a RCRA Sampling & Closure Plan, Remedial Investigation Work Plan, Health and Safety Plan, Community Air Monitoring Plan, RCRA Facility Closure Plan, and the Remedial Action Work Plan. Roux Associates completed a Remedial Investigation at the site which characterized the nature and extent of the impacts. The remedial action included a large excavation that required SOE and was completed under a tent due to odor concerns, multiple ISCO injections, UST removal/abandonment, installation of a LNAPL recovery system, and installation of an SSDS. Additionally, Roux Associates provided oversight of RCRA closure activities at the site which included emptying, cleaning, and scrapping 65 ASTs/vessels,

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decontaminating the ceilings, walls and floors of the Paint Factory Building and collection of compliance samples

- **Post Road Corridor:** Project Manager for a brownfields redevelopment site which consisted of 16 separate parcels spanning 4.5 acres and had a variety of former uses including automotive service/repair and multiple drycleaners. The site has both chlorinated and petroleum hydrocarbon impacts to the soil and groundwater. The remedy will consist of a site cover system, soil hot spot removal, in situ chemical oxidation for groundwater contamination, installation of a sub-slab depressurization system. And the potential installation n of a permeable reactive barrier.

- **Syosset Park:** Project Manager for ongoing large and complex redevelopment of a 92-acre Site. The Site has an extensive environmental history, including former use as a wire and conduit manufacturer, former landfill (currently a Federal Superfund site), and town DPW facility. Activities completed including compiling, reviewing, extracting, and summarizing numerous historical environmental reports prepared for the site, interacting with local, state and federal agencies; completing a supplemental soil investigation (including extensive use of XRF technology) and a groundwater investigation. The remedy will likely consist of a site cover, hot-spot removals and a sub-slab depressurization system.

- **LA Central:** Project Manager for the redevelopment of a 4.1-acre site which included a multi-phase, mixed-use affordable housing development offering 992 apartments. Roux Associates initially completed a Phase I and Phase II at the site which identified historic fill in site soils and chlorinates in groundwater as well as a previously unknown land use restriction. Thorough subsequent soil, soil vapor and groundwater investigations Roux Associates defined the nature and extent of the impacted media. The remedy will likely consist of a site cover, soil hot-spot removal, in-situ chemical injections and a sub-slab depressurization system.

- **Amtrak:** Project Manager for multiple projects to support investigation and remediation activities at a 130+ acre active railyard. I was responsible for managing activates in all six Operable Units (OUs), including unsaturated and saturated soil, groundwater, separate-phase hydrocarbon, soil vapor and on-site sewer system. My responsibilities on these projects included characterizing subsurface conditions, including soil (collected hundreds of soil samples), as well as characterizing a 250,000-gallon PCB-contaminated separate-phase hydrocarbon plume. Additionally, I was responsible for managing the design and implementation of remediation activities, including soil excavation and offsite disposal, removal and abandonment of USTs ranging in sizes up to 17,000 gallons, demolition of contaminated buildings and infrastructure, and installation and operation of a dual phase high vacuum extraction (DPVE) system to recover PCB-contaminated separate-phase hydrocarbon through a network of over 40 recovery wells. Due to the highly volatile nature of the separate-phase hydrocarbon and the urban setting of this site, extensive emissions and odor engineering controls were used when excavating and managing soil and product. Additionally, extensive Community Air Monitoring was completed during all phases of work.

- **Neil Court:** Project Manager for a fast-paced property transfer complicated by multiple environmental issues. Roux Associates designed and implemented a Phase II Environmental Site Assessment at a former warehouse. Results of the Phase II ESA revealed petroleum hydrocarbon impacts to soil related to former USTs, an orphaned pipeline, and unregistered and impacted drywells. In support of the pending transaction, Roux Associates prepared a work plan, performed hot-spot soil excavations, removed the orphaned pipeline, prepared a summary report, received closure from state regulator and cleaned, restored, and registered each of the site's 12 drywells classified as Class V injection control wells with the USEPA. The above work was completed in less than a month in order to comply with the client's sales agreement for the site.

- Project Manager for brownfield redevelopment a 23-story passive-house mixed use building. Roux Associates completed Phase I and Phase II investigations which identified orphaned USTs and LNAPL. The remedy included enhanced fluid recovery events and excavation prior to the redevelopment of the Site. Additionally, a vapor barrier and a passive sub-slab depressurization system were also added to the building design.

- Project Manager for a Phase II Environmental Site Assessment completed in conjunction with interior decontamination and selective demolition at a former research and development facility of a major automobile manufacturer. Project included a Phase II site investigation that included soil and groundwater sampling, oversight of interior decontamination activities (including management of multiple waste streams generated therefrom) and oversight of selective interior demolition.

- Project Manager for the completion of Phase I and Phase II Environmental Site Assessment activities

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associated with a proposed mixed-use redevelopment located in Westchester, New York. Work included management of subsurface investigation activities to characterize soil conditions and working closely with client's architects and construction contractors to integrate the proposed site remediation into the project development plan (including evaluating multiple potential disposal scenarios). Site contaminants included hydrocarbons (including a free-product plume from former USTs), and historic fill constituents.

- Project Manager for the investigation of a Spill in Williamsburg, Brooklyn, New York in which we successfully demonstrated to NYSDEC's Spills Group that impacts to a deep groundwater zone beneath our client's site were a result of offsite contamination migrating onsite from a nearby active gasoline station (not a result of our client's former industrial operations). Impacts included the presence of several feet of free product in a deep groundwater zone. We were successful in getting our client's Spill Case closed, saving our client from additional investigation activities, and what will likely be a multi-million-dollar remediation.
- Project Manager for the completion of a Preliminary Assessment and Site Investigation (PA/SI) at an active ship dry dock facility in Hoboken, New Jersey. I was responsible for the coordination and management of field investigation activities, which included soil, groundwater, and sediment sampling, as well as the preparation of a PA and SI report. This work was completed on behalf of a potential buyer of the property who planned to redevelop this site into a New York City ferry terminal.
- Project Manager for a UST removal program at a vacant parcel located in Paterson, New Jersey for a major transit agency. Further work included the completion of a soil and groundwater investigation, installation of monitoring wells, oversight of remedial excavation activities, the completion of aquifer testing, and completion of routine groundwater investigations as part of the NJDEP-approved monitored natural attenuation remedy for the site.
- Project Manager performed multiple Phase I and II Environmental Site Assessments as part of due diligence in support of divestiture of retail petroleum stations located throughout New York and New Jersey by a major oil company.
- Project Manager for divestment of multiple petroleum service facilities, which included decommissioning, cleaning, and removal of USTs, oversight of remedial excavations, and excavation and restoration of drywells.
- Performed numerous Phase I Environmental Site Assessments according to ASTM E1527-05 for due diligence of large retail shopping centers, industrial facilities, office buildings, and vacant land. Associated activities included agency contact, database management and interpretation, report preparation, and recommendations for additional work.
- Project Manager for the construction and installation of remedial AS/SVE systems, groundwater pump and treat systems, and petroleum service station upgrade.
- Provided oversight of UST removal at multiple sites including residential, commercial, and industrial on behalf of major insurance companies.
- Performed multiple AS/SVE feasibility study and 48-hour pump tests to evaluate employing of the technology to remediate impacted sites.
- Performed field duties including groundwater sample collection; soil sample logging and collection; drilling oversight; supervision of monitoring well construction; enhanced fluid recovery; excavation oversight; underground storage tank removal; SVE/AS pilot testing; remediation system construction oversight, operation and maintenance of remediation systems.

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ROUX

PROFESSIONAL PROFILE

Josh Fox, GIT
Staff Geologist

TECHNICAL SPECIALTIES
Staff geologist with 3+ years of experience in environmental remediation projects including remedial and investigation oversight, environmental site assessment, monitoring events, and data analysis including the development of a myriad of report types. Experience working for clients of all sizes.

EXPERIENCE SUMMARY
- Staff Geologist with Roux Associates, Inc., Oakland, California (May 2018 to Present)
- Staff Geologist with AECOM Technical Services, Inc., Oakland, California (July 2016 – May 2018)
- Geological Intern with AECOM Technical Services, Inc., Oakland, California (July 2015 – July 2016)

CREDENTIALS
- BS, Geology, California State University East Bay; 2016

CERTIFICATION AND TRAINING
- Geologist In Training (GIT); BPELSG License #724
- OSHA 40-Hour/ Hazwoper Health and Safety Certification
- OSHA Hazwoper Supervisor Certification
- ASTM Environmental Due Diligence Training
- America Heart Association First Aid, CPR, and AED Training

KEY PROJECTS
- Team lead for various Phase I Environmental Site Assessments, including site reconnaissance, file reviews, and report development.
- Field manager for various bay area subsurface investigations including drill rig and utility survey oversight, soil logging, and soil, groundwater, soil vapor, and sub-slab vapor sampling. Handle projects from pre-field preparation to post-field report development.
- Team lead for indoor air sampling events from pre-field preparation to report development.
- Field manager for various bay area dust monitoring/sampling, excavation oversight, and soil stockpile sampling projects, including soil/site management plan (SMP) development and SMP implementation reports.
- Field lead for ongoing operation and maintenance (O&M) of a soil vapor extraction (SVE) system, including weekly monitoring and periodic soil vapor sampling.
- Provide support on litigation projects including document reviews and data analysis.

PREVIOUS KEY PROJECTS
- Developed analytical reports including Low-Threat Underground Storage Tank Closure Requests, Conceptual Site Models, Site Assessments/Evaluations, Subsurface Investigations, Well Destructions, Work Plans, and Groundwater Monitoring Reports.
- Developed figures, tables, graphs, boring logs, and well construction diagrams; figure development included site plans, hydrogeologic cross-sections, isoconcentration contour maps, chemical concentration maps, and chemical concentration and groundwater elevations versus time trend graphs.
- Coordinated pre-field activities including obtaining permits and access agreements, subcontractor bidding and preparation, health and safety plan development, USA marking, stakeholder notifications, and pre-field meeting agendas.
- Reviewed subcontractor health and safety materials for compliance with client and company standards.
- Oversaw subcontractors including drillers, utility locators, traffic control, well surveyors, groundwater samplers, and waste handlers; experience with hollow-stem auger, direct push, CPT, and sonic rigs.
- Collected soil vapor, ambient air, soil, and groundwater samples for laboratory analysis; characterized and logged soil by ASTM standards.
- Managed the groundwater monitoring system for a client with over 30 sites; activities included scheduling, subcontractor coordination, review and tracking of field documents and laboratory data, and tracking of report development and submission.

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APPENDIX E

HYDROLOGY

APPENDIX E1:
STORMWATER CONTROL PLAN

STORMWATER CONTROL PLAN REPORT

(AND OPERATION & MAINTENANCE)

For

975 Main Street
Watsonville, CA

September 25, 2019

Prepared For:

1000 Main Street Associates, LLC
400 Beach Street
Santa Cruz, CA

Prepared By:

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Project #A13060

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I. PROJECT SETTING

A. Project Description and Location

The project area is located at 975 Main Street in the City of Watsonville, in southern Santa Cruz County, California. The 3.05-acre project site is situated along the south side of Main Street and at the intersection of Auto Center Drive and Main Street. The site is located with in Water Management Zon I. The site contains three existing buildings and associated paved parking areas, which will be removed and replaced with development of the project. The property to the south/east/west is City owned open space. The project will include construction of three new commercial/restaurant buildings that will be served by a new asphalt and concrete parking lot and associated concrete curbs, walks, sanitary sewer, water services, site lighting, storm drainage and other underground utilities, and landscaping. Refer to the vicinity map in Figure 1.

APN: 018-261-14, 018-261-29

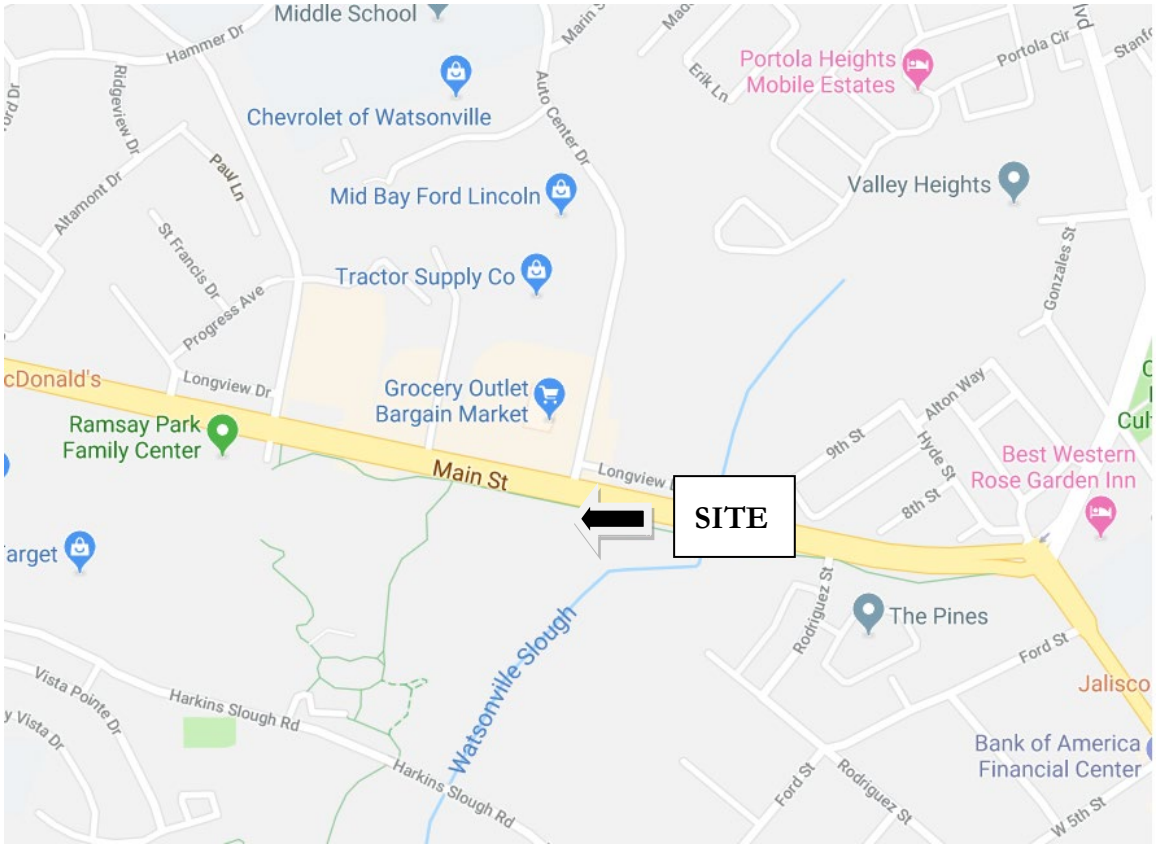


Figure 1: Vicinity Map

B. Existing Site Conditions

The site contains three existing buildings and associated paved parking areas. A small portion of the site behind the existing grocery store is undeveloped, natural ground. The site contains frontage improvements and some landscaping along the street. The site topography is moderately sloped with

elevations ranging from 54 feet to 40 feet, generally sloping from the northwest corner of the site towards the southeast corner. Currently the property surface drains generally from the northwest portion of the site to the southeast and is collected by existing drain channel drains and inlets located near the existing driveways and in Auto Center Drive. Runoff is conveyed in underground storm drainage facilities entering the public system, before discharging into Harkins Slough.

C. Opportunities and Constraints for Stormwater Control

Under City Ordinance, this project is subject to Stormwater Post-Construction Performance Standards 3 and 4. The project is required to meet Performance Standard 3, Runoff Retention due to the fact that impervious surfaces in excess of 15,000 square feet are created or replaced. Performance Standard 4, Peak Management applies because the project proposes to create and/or replace greater than 22,500 square feet of impervious surface.

The existing site is previously developed with high percentage of impervious area versus pervious within the developed footprint. The project has the opportunity to create a more balanced site, incorporated landscaped pervious areas and treatment BMPs dispersed throughout the site. The existing site primarily sheet flows with water exiting the site into the public right-of-way without treatment or capture via storm drain infrastructure. The design intent will allow runoff to be captured and treated with bioretention areas, with a majority of the site runoff infiltrating into the ground after treatment. Some runoff may enter underground storm drainage infrastructure, designed as a precautionary system that can be utilized if bioretention facilities become overwhelmed or fail in some manner. Percolation data obtained in the vicinity site suggest that the site has a high percolation rate, suitable for infiltration. Layers of soil that may be encountered that do not meet percolation needs will be removed as required to transmit runoff from the surface to the bioretention soil below the surface. A percolation test was performed nearby by Pacific Crest Engineering on November 22, 2013. Results varied from 4.10 minutes/inch to 19.23 minutes/inch.

II. MEASURES TO LIMIT IMPERVIOUSNESS

A. Measures to Cluster Development and Protect Natural Resources

No existing natural drainage features or natural resources will be disturbed or removed with the construction of the project. No creeks, wetlands and riparian habitats are present on the project site.

Proposed drainage features will contain elements of vegetation for both function and aesthetics.

Some landscape trees and shrubs will be removed and replaced with development of the project.

Development is designed to impact the minimum area possible. Landscaping areas have been proposed to limit the project's impact, and paved parking areas and drive aisles have been designed to be efficient and limit the development envelope as much as possible.

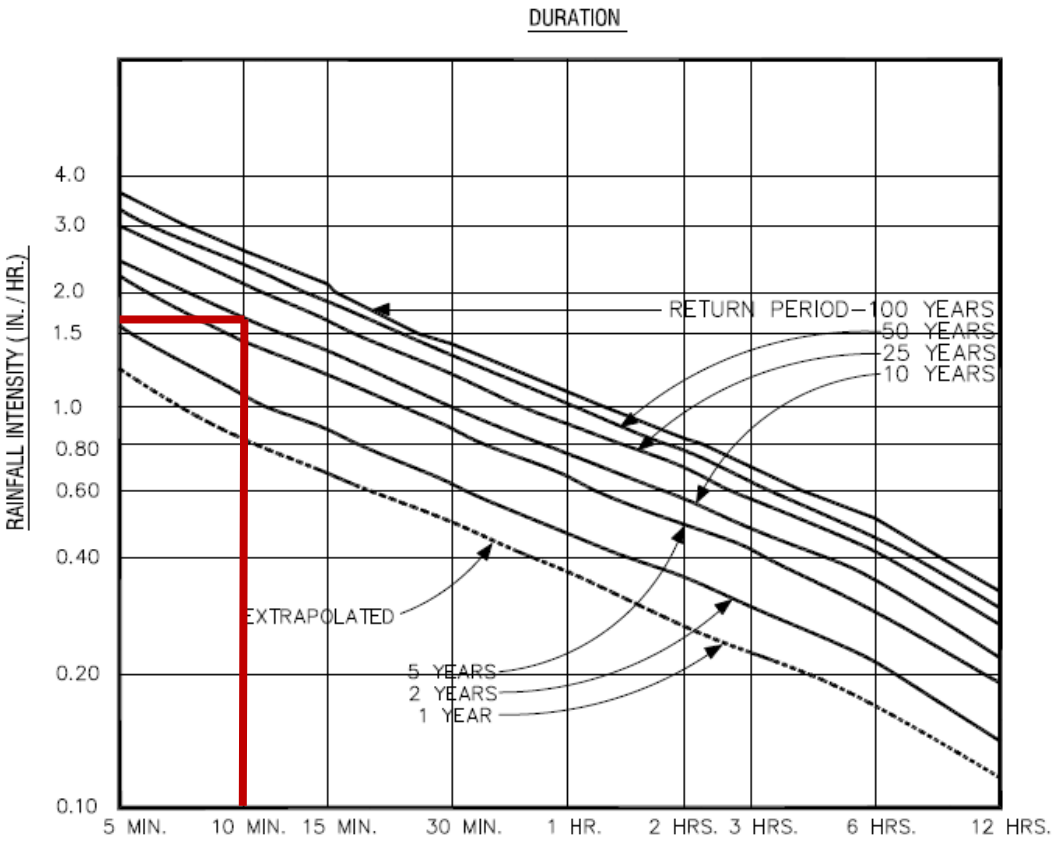
Impervious area will be minimized as much as possible with the use of landscaped areas. Paved parking areas have been minimized as much as allowable within code, and natural bioretention areas are used for treatment.

B. Measures Used to Limit Directly Connected Impervious Area

The site's development area is directed into a pervious bioretention area for treatment. Runoff is divided into three drainage shed areas, where a bioretention area is provided to treat each shed's runoff.

III. SITE HYDROLOGY

A hydrology analysis has been prepared for the site in accordance with City of Watsonville standards, utilizing rainfall IDF curves provided in City of Watsonville Standard Drawing S-701, a portion of which is provided in the figure below:



Predevelopment and Post-development flows have been analyzed to determine the impact to runoff resulting from construction of the proposed project. The Rational Method, Q=CIA is used to calculate peak runoff.

A time of concentration, Tc of 10 minutes has been used for the calculation. From the IDF curve above, it can be shown that the Rainfall Intensity (in/hr) for a 10-year storm with a 10 minute time of concentration equates to 1.7 in/hr. Composite runoff coefficients have been calculated for the predevelopment and postdevelopment conditions, utilizing City Standard Drawing S-942. The postconstruction condition results in a marginal increase in runoff versus the predevelopment condition.

Q10 (Predevelopment) = 3.63 cfs

Q10 (Postdevelopment) = 3.72 cfs

Net Increase in runoff = 0.09 cfs (3%)

The project proposes to infiltrate site runoff into the ground via bioretention areas, therefore there will be no net impact to existing infrastructure as a result of this project.

A. Stormwater Detention Analysis

The project is subject to Stormwater detention as prescribed in the Stormwater Post-Construction Standards. Attachment 3 of the Standards outlines the methodology for determining the runoff volume required to detain.

1. Determination of Retention Tributary Area

Retention Tributary Area = (Drainage Maintenance Area) – (Undisturbed or Planted Areas) – (Impervious Surface Areas that Discharge to Infiltrating Areas)

DMA-1

DMA-1 Area = 12,450 SF (0.29 acres)

Undisturbed or Planted Areas = 960 SF (0.03 acres)

Impervious Surfaces discharging to Infiltration Areas = 11,490 SF (0.26 acres)

DMA-2

DMA-2 Area = 90,900 SF (2.09 acres)

Undisturbed or Planted Areas = 9,150 SF (0.21 acres)

Impervious Surfaces discharging to Infiltration Areas = 81,750 SF (1.88 acres)

DMA-3

DMA-3 Area = 11,750 SF (0.27 acres)

Undisturbed or Planted Areas = 865 SF (0.02 acres)

Impervious Surfaces discharging to Infiltration Areas = 10,825 SF (0.25 acres)

2. Determination of Retention Volume

The project is located in a watershed subject to a Runoff Retention Requirement for 95th Percentile 24-hour Rainfall Event runoff. Per City Standard Drawing S-701, the 95th Percentile Rainfall Depth equals **1.3** inches.

Computation of Runoff Coefficient "C"

$C=0.858i^3 - 0.78i^2 + 0.774i + 0.04$; where "i" is the fraction of the tributary area that is impervious.

i = 104,065 SF/115,100 SF = 0.90

$C = 0.858(0.90)^3 - 0.78(0.90)^2 + 0.774(0.90) + 0.04 =$ **0.74**

Computation of Retention Volume, RV

Retention Volume (RV) for 95th Percentile 24-hr Rainfall Depth = C x Rainfall Depth, 95th x Retention Tributary Area

RV = 0.74 x (1.3 inches/12) x 0 = **0 cubic feet**

All impervious surfaces within Drainage Maintenance Areas drain into infiltration devices, therefore as shown in the calculations above, no stormwater retention is required.

IV. SELECTION AND DESIGN OF STORM WATER BMPs

A. Selection of BMPs

The site drains into various bioretention areas located throughout the site, each encompassing a specific drainage basin. The drainage basins boundaries and associated bioretention areas are shown on the Stormwater Control Plan. Pervious and impervious (roof, parking, hardscape) areas are routed into bioretention areas via sheet flow, where runoff is treated and infiltrated, before entering underground storm drainage. BMPs selected for the project are bioretention basins, vegetated areas containing engineered soil sections designed for treatment. Design criteria can be found in this report.

B. Description of DMAs and BMPs

The site has been divided into three (3) Drainage Management Areas (DMAs). The site drains into DMAs BR-1, BR-2 and BR-3; which are bioretention areas. These areas have been designed to best adhere to the site topography, and allow for easy maintenance throughout the life of the project. Each bioretention area is sized to treat the associated drainage area that drains into the basin. All runoff is expected to infiltrate into the ground. However, subdrains and overflow drainage structures have been incorporated as a precautionary measure. The following is a description of each DMA and associated BMP as shown on the Stormwater Control Plan:

- DMA BR-1: A bioretention area BR-1, 515 SF in size, located near the southeastern portion of the site along the property line. The bioretention area treats runoff from the building roof, a portion of the site's paved parking area, and a portion of pervious landscaped areas. Runoff from DMAs Roof-1 (4,090 SF), Pave-1 (7,400 SF), and Land-1 ((960 SF) drain into and is treated by BR-1. Runoff will sheet flow and/or travel in curb and gutter, and enter into BR-1 via curb openings located along the curb and gutter adjacent to the bioretention area.
- DMA BR-2: A bioretention area BR-2, 4,160 SF in size, located near the southwestern portion of the site along the property line. The bioretention area treats runoff from a portion of the site's paved parking area, building roof, and a portion of pervious landscaped areas. Runoff from DMAs Pave-2 (75,140 SF), Roof-2 & Roof-3 (6,610 SF) and Land-2 (9,150 SF) drain into and is treated by BR-2. Runoff will sheet flow, travel in pipes and/or travel in curb and gutter, and enter into BR-2 via curb openings located along the curb and gutter adjacent to the bioretention area.
- DMA BR-3: A bioretention area BR-3, 1,160 SF in size, located near the northern portion of the site in front of the proposed building in a landscape area. The bioretention area treats runoff from a portion of the site's paved parking area, hardscape areas, building roof and a portion of pervious landscaped areas. Runoff from DMAs Pave-3 (1,055 SF), Roof-4 (9,830 SF) and Land-3 (865 SF) drain into and is treated by BR-3. Runoff will sheet flow into BR-3.
- **C. Design of BMPs**

The bioretention areas will be designed and constructed in accordance with the following material, derived from various clean water program guidance.

- Provide 10' minimum setback from structures, or as instructed by project structural and/or geotechnical engineer. Provide waterproofing per geotechnical and/or architectural recommendations for bioretention areas that encroach within the 10' setback.
- Reservoir depth shall be a minimum of 6 inches.
- Volume of subsurface storage meets or exceeds minimum required per calculations.
- Bioretention area shall be a minimum of 4'. Total surface area and volume shall meet or exceed the value required per calculations.
- Bioretention area is designed as a basin or series of basins with flat or nearly flat surfaces.
- 24" depth "loamy sand" soil mix with a minimum long-term percolation rate of 5 inches per hour. Per COW Standard LID-001.
- Perforated pipe (4 ' Mininum PVC SDR 35) underdrain placed in "12" Class 2 perm" layer installed to provide adequate slope or head and connected to underground storm drain facilities or discharge point. Orifice shall be sized to limit flow to appropriate levels, as necessary. Per COW Standard LID-001.
- Underdrain shall contain a clean-out constructed of a vertical, rigid, non-perforated PVC pipe, with a minimum diameter of 6 inches and water tight cap.
- Bioretention areas shall have an overflow drain inlet connecting to underground storm drain infrastructure or approved discharge location.

- Through curb drains shall contain a minimum curb opening of 12 inches, with a ½ inch drop in elevation across the opening to discourage collection of debris. Grades immediately adjacent to curb openings shall be constructed a minimum 4 inches lower that curb opening elevation to prevent blockage due to vegetation growth, with energy dissipation where appropriate.
- Planting within bioretention areas shall be selected to flourish in climates experienced at the site, and be suitable for well-drained soils located in the bioretention area, as well as withstand occasional inundation during large storm events.
- Avoid smearing of the soils on bottom and side slope of the bioretention areas during excavation. Minimize compaction of native soils and rip soils if clayey and/or compacted. Protect the area from construction site runoff.
- Provide adequate irrigation to the bioretention areas to allow establishment and maintenance of vegetation. Irrigation should be connected to a water supply.

D. Sizing Calculations of BMPs

Project bioretention areas (BMPs) have been sized in accordance with City of Watsonville Storm Water Management Program, Appendix B. Calculations have been performed to determine the surface reservoir volume, V1, above the soil layer; and the subsurface storage volume, V2, located within the soil layer, and infiltration V3. The reservoir volume V1 has been calculated assuming a uniform depth of 6 inches throughout the bioretention area in most instances. This volume is conservative and used for simplification of calculations. Two of the bioretention areas will retain depths greater than 6 inches. Subsurface volume occurs in the permeable material located at the bottom of the bioretention section. This material varies from 18 inches to 3 feet. Refer to the detail shown on the Stormwater Control Plan. The permeable material layer shall be per Caltrans specification 68-1.025.

DMA-1: BMP BR-1:

Contributing Drainage Areas:

Pave-1 = 6,980 SF (0.16 Acres)

Land-1 = 631 SF (0.01 Acres)

Area = 6,980 + 631 = 7,611 SF = 0.17 ac.

	Area (acres)	Runoff Coefficient, C
Pave-1	0.16	0.9
Land-1	0.01	0.4

Weighted C, DMA-1:

$$C = \frac{(0.09)*(0.9) + (0.17)*(0.9) + (0.02)*(0.4)}{(0.09+0.17+0.02)} = 0.86$$

Stormwater Runoff Volume, DMA-1:

Runoff = (95th Percentile Rainfall Depth) * (DMA-1 Area) * (Weighted C, DMA-1)

= (1.3 inches) * (1 foot/12 inches) * (7,611 SF) * (0.86) = **709 cu-ft Required**

Runoff for Drainage Maintenance Area DMA-1 is intended to drain into the Bioretention Area BR-1 shown on the Stormwater Control Plan sheet SW-1. BR-1 is 465 SF in size and in comprised of 2 feet of engineered soil over a 1 foot drain rock layer. Some storage of runoff will occur in the drain rock layer, V_2. Additional storage (V_1) will occur above the surface of the bioretention area, from the surface of the bioretention area to the top of a stormdrain grate raised 6 inches above the surface. This stormdrain inlet serves as an overflow show excessive storms occur or the bioretention area fails in some way.

Storage Volume, V_1:

V_1 = (465 SF) * (1.0 ft) = 465 cu-ft

Storage Volume, V_2:

Bioretention Area BR-1 Drain Rock = 465 sq ft

Depth of Bioretention Area SW-1 Drain Rock = 1.0 ft

Drain Rock Void Ration = 0.3

V_2 = (515) * (1.5) * (0.3) = 139 cu-ft

Infiltration of Runoff:

In addition to the volumes calculated above, the bioretention areas can support an increased volume of runoff as infiltration occurs.

Using a percolation rate of 5 minutes/inch. Assuming a time of concentration for DMA-1 of 15 minutes, an infiltration volume (V_3) can be calculated to determine the additional capacity of the bioretention area due to infiltration.

Percolation Depth @15 minutes = (15 min.)/(5 min./inch) = 3 inches

V_3 = (465 sq ft) * (3/12) = 116 cu-ft

Total Storage Volume, DMA-1 = V_1 + V_2 + V_3= 465 + 139 + 116 = **720 cu-ft Provided**

709 cu-ft Required

DMA-2: BMP BR-2:

Contributing Drainage Areas:

Roof 1 = 7,880 SF (0.09 Acres)

Pave-2 = 71,686 SF (1.65 Acres)

Land-2 = 7,179 SF (0.16 Acres)

Roof-2 = 2,834 SF (0.06 Acres)

Area = 7,880 + 71,686 + 7,179 + 2,834 = 89,579 SF = 2.06 ac.

	Acres	Runoff Coefficient, C
Pave-2	1.72	0.9
Land-2	0.21	0.4
Roof -1	0.09	0.9
Roof-2	0.06	0.9

Weighted C, DMA-2:

$$C = \frac{(1.72)*(0.9) + (0.21)*(0.4) + (0.09)*(0.9) + (0.06)*(0.9)}{(1.72+0.21+0.09+0.06)} = 0.85$$

Stormwater Runoff Volume, DMA-2:

Runoff = (95th Percentile Rainfall Depth) * (DMA-2 Area) * (Weighted C, DMA-2)

= (1.3 inches) * (1 foot/12 inches) * (89,579 SF) * (0.85) = **8,245 cu-ft Required**

Runoff for Drainage Maintenance Area DMA-2 is intended to drain into the Bioretention Area BR-2 shown on the Stormwater Control Plan sheet SW-1. BR-2 is 2,830 SF in size and in comprised of 2 feet of engineered soil over a drain rock layer. Some storage of runoff will occur in the drain rock layer, V_2. Additional storage (V_1) will occur above the surface of the bioretention area, from the surface of the bioretention area to the top of a stormdrain grate raised 1.6 feet above the surface. This stormdrain inlet serves as an overflow show excessive storms occur or the bioretention area fails in some way.

Storage Volume, V_1:

V_1 = (3,665 SF) * (1.6ft) = 5,864 cu-ft

Storage Volume, V_2:

Bioretention Area BR-2 Drain Rock = 2,830 sq ft

Depth of Bioretention Area BR-2 Drain Rock = 1.5 ft

Drain Rock Void Ration = 0.3

V_2 = (3,665) * (1.5) * (0.3) = 1,649 cu-ft

Infiltration of Runoff:

In addition to the volumes calculated above, the bioretention areas can support an increased volume of runoff as infiltration occurs.

Using a percolation rate of 5 minutes/inch. Assuming a time of concentration for DMA-2 of 15 minutes, an infiltration volume (V_3) can be calculated to determine the additional capacity of the bioretention area due to infiltration.

Percolation Depth @15 minutes = (15 min.)/(5 min./inch) = 3 inches

V_3 = (3,665 sq ft) * (3/12) = 916 cu-ft

Total Storage Volume, DMA-2 = $V_1 + V_2 + V_3$ = 5,864 + 1,649 + 916= **8,429 cu-ft Provided**

8,245 cu-ft Required

DMA-3: BMP BR-3:

Contributing Drainage Areas:

Pave-3 = 1,055 SF (0.02 Acres)

Land-3 = 865 SF (0.02 Acres)

Roof-3 = 9,830 SF (0.23 Acres)

Area = 1,055 + 865 + 9,830 = 11,750 SF = 0.27 ac.

	Area (acres)	Runoff Coefficient, C
Pave-3	0.02	0.9
Land-3	0.02	0.4
Roof-3	0.23	0.9

Weighted C, DMA-3:

$$C = \frac{(0.02)*(0.9) + (0.02)*(0.4) + (0.23)*(0.9)}{(0.02+0.02+0.23)} = 0.85$$

Stormwater Runoff Volume, DMA-3:

Runoff = (95th Percentile Rainfall Depth) * (DMA-3 Area) * (Weighted C, DMA-3)

= (1.3 inches) * (1 foot/12 inches) * (11,750 SF) * (0.85) = **1,082 cu-ft Required**

Runoff for Drainage Maintenance Area DMA-3 is intended to drain into the Bioretention Area BR-3 shown on the Stormwater Control Plan sheet SW-1. BR-3 is 1,160 SF in size and in comprised of 2 feet of engineered soil over a drain rock layer. Some storage of runoff will occur in the drain rock layer, V_2. Additional storage (V_1) will occur above the surface of the bioretention area, from the surface of the bioretention area to the top of a stormdrain grate raised 12 inches above the surface. This stormdrain inlet serves as an overflow show excessive storms occur or the bioretention area fails in some way.

Storage Volume, V_1:

V_1 = (1,160 SF) * (1 ft) = 1,160 cu-ft

Storage Volume, V_2:

Bioretention Area BR-3 Drain Rock = 1,160 sq ft

Depth of Bioretention Area SW-3 Drain Rock = 1.5 ft

Drain Rock Void Ration = 0.3

V_2 = (1,160) * (1.5) * (0.3) = 522 cu-ft

Infiltration of Runoff:

In addition to the volumes calculated above, the bioretention areas can support an increased volume of runoff as infiltration occurs. A percolation test was prepared by Pacific Crest Engineering for the project and has been included for reference in this report.

The percolation test obtained nearest to the proposed location of BMP SW-3 yielded a percolation rate of 4.10 minutes/inch. Assuming a time of concentration for DMA-3 of 15 minutes, an infiltration volume (V_3) can be calculated to determine the additional capacity of the bioretention area due to infiltration.

Percolation Depth @15 minutes = (15 min.)/(4.10 min./inch) = 3.66 inches

V_3 = (1,160 sq ft) * (3/12) = 290 cu-ft

Total Storage Volume, DMA-3 = V_1 + V_2 + V_3= 1,160 + 522 + 290= **1,972 cu-ft Provided**

1,082 cu-ft Required

V. BMP OPERATION AND MAINTENANCE

A. Means to Finance and Implement BMP Maintenance

All storm water treatment facilities in this plan will be owned and maintained in perpetuity by the private owner of the subject property. The applicant accepts responsibility for interim operation and maintenance of the facilities until such time as this responsibility is formally transferred to a subsequent owner.

The applicant will execute, prior to completion of project construction, an Agreement Regarding Maintenance of Structural or Treatment Control BMPs (Best Management Practices). This agreement can be found in the City of Watsonville Storm Water Management Program in Appendix A. A copy is included below in this report. Such an agreement will "run with the land" and be enforceable on subsequent property owners. The applicant will provide the City access to stormwater treatment devices for inspection.

Appendix A

Agreement Regarding Maintenance of Structural or Treatment Control BMPs (Best Management Practices)

for APN No._____

_____, being the owner of the real property located at _____, California, consents and agrees to inspect and maintain annually, prior to October 15 of each year, the Structural or Treatment Control BMPs (such as silt and/or grease traps or detention systems) on the subject property as shown on the improvement plans dated _____, on file with the City of Watsonville. I agree to forward a letter providing proof of inspection and maintenance to the City of Watsonville Source Control Department prior to October 15 of each year.

In order to transfer the property to a private or public owner, I shall require the recipient to assume responsibility for maintenance of any Structural or Treatment Control BMPs in the sales or lease agreement for that property. The condition of transfer shall include a provision that the new property owner agrees to forward a letter providing proof of BMP inspection and maintenance to the City of Watsonville Source Control Department prior to October 15 of each year.

Printed educational materials will be required to accompany the first deed transfer to highlight the existence of the requirement and to provide information on what storm water management facilities are present, signs that maintenance is needed, and how the necessary maintenance can be performed. The transfer of this information shall also be required with any subsequent sale of the property.

I have read the above agreement and understand it.

_____
Owner

_____
Date

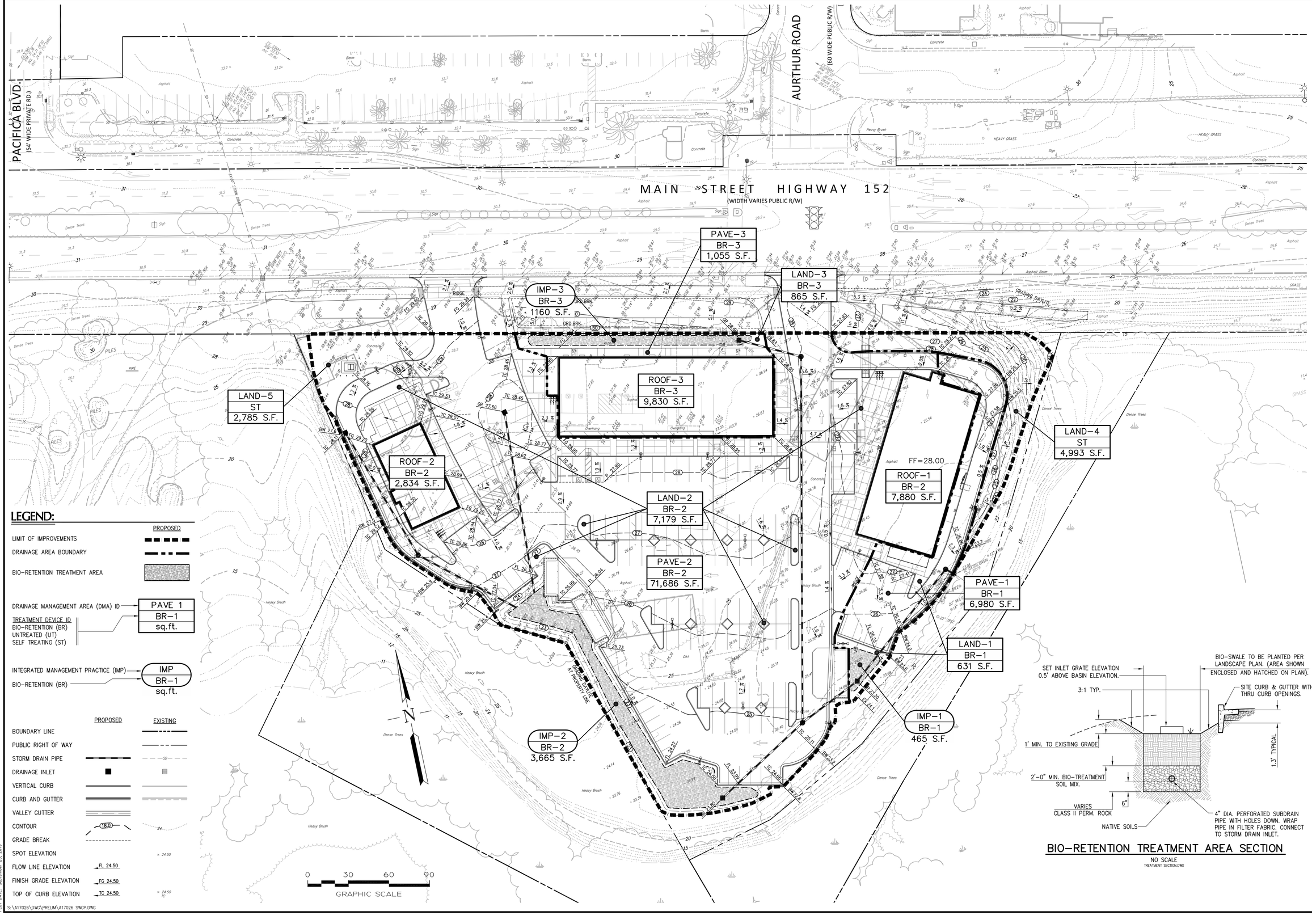
B. Summary of Maintenance Requirements

Bioretention Areas

These facilities remove pollutants primarily by filtering runoff slowly through an active layer of soil. Routine maintenance is needed to ensure that flow is unobstructed, that erosion is prevented, and that soils are held together by plant roots and are biologically active. Typical maintenance consists of the following:

- Inspect **inlets** for channels, exposure of soils, or other evidence of erosion. Clear any obstructions and remove any accumulation of sediment. Examine rock or other material used as a splash pad and replenish if necessary.
- Inspect **outlets** for erosion or plugging.
- Inspect **side slopes** for evidence of instability or erosion and correct as necessary.
- Observe soil at the bottom of the swale or filter for uniform **percolation** throughout. If portions of the swale or filter do not drain within 48 hours after the end of a storm, the soil should be tilled and replanted. Remove any debris or accumulations of sediment.
- Confirm that **check dams** and **flow spreaders** are in place and level and that channelization within the swale or filter is effectively prevented.
- Examine the **vegetation** to ensure that it is healthy and dense enough to provide filtering and to protect soils from erosion. Replenish mulch as necessary, remove fallen leaves and debris, prune large shrubs or trees, and mow turf areas. When mowing, remove no more than ⅓ height of grasses. Confirm that irrigation is adequate and not excessive. Replace dead plants and remove noxious and invasive vegetation.
- Abate any potential **vectors** by filling holes in the ground in and around the swale and by insuring that there are no areas where water stands longer than 48 hours following a storm. If mosquito larvae are present and persistent, contact the Contra Costa Mosquito and Vector Control District for information and advice. Mosquito larvicides should be applied only when absolutely necessary and then only by a licensed individual or contractor.

VI. ATTACHMENTS



LEGEND:

	PROPOSED	EXISTING
LIMIT OF IMPROVEMENTS		
DRAINAGE AREA BOUNDARY		
BIO–RETENTION TREATMENT AREA		
DRAINAGE MANAGEMENT AREA (DMA) ID	PAVE 1 / BR–1 / sq.ft.	
TREATMENT DEVICE ID: BIO–RETENTION (BR), UNTREATED (UT), SELF TREATING (ST)		
INTEGRATED MANAGEMENT PRACTICE (IMP) / BIO–RETENTION (BR)	IMP / BR–1 / sq.ft.	
BOUNDARY LINE		
PUBLIC RIGHT OF WAY		
STORM DRAIN PIPE		SD
DRAINAGE INLET		
VERTICAL CURB		
CURB AND GUTTER		
VALLEY GUTTER		
CONTOUR	18.0	24
GRADE BREAK		
SPOT ELEVATION		× 24.50
FLOW LINE ELEVATION	FL 24.50	
FINISH GRADE ELEVATION	FG 24.50	
TOP OF CURB ELEVATION	TC 24.50	× 24.50 TC

BIO–RETENTION TREATMENT AREA SECTION

NO SCALE
TREATMENT SECTION.DWG

PLOT DATE: September 25, 2019
S:\A17026\DWG\PRELIM\A17026 SWCP.DWG

ROBERT A. KARN & ASSOCIATES, INC.
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707 BECK AVENUE
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PRELIMINARY STORMWATER CONTROL PLAN
PROPOSED COMMERCIAL DEVELOPMENT
AT 975 MAIN STREET
CITY OF WATSONVILLE, CALIFORNIA

FOR: SANTA CRUZ SEASIDE COMPANY

SCALE	DATE	DRAWN	CHECKED	PROJ. MGR.
1"=30'	9-14-18	A.B.L.	R.A.K.	R.A.K.

SHEET REVISIONS	DATE	MK	BY	CK

SHEET NO.
C2
OF 3 SHEETS
JOB NO.
A18040

APPENDIX E2:
RIPARIAN CORRIDOR STUDY

HUNTING ENVIRONMENTAL

3606 Cambridge Road • Cameron Park, CA 95682
Office: (530) 387-7618 • Cell: (916) 501-2258
jhunting@huntenv.com

December 11, 2018

Eric Sobotka
Development Project Manager
BOOS DEVELOPMENT WEST, LLC.

Re: Retail/Restaurant Project (PP2017-116) located at 975 and 1035 Main Street – Watsonville, CA

Dear Mr. Sobotka

This letter report provides my findings regarding the applicable Riparian corridor category and hydrologic functions of features in the Watsonville Slough in and around 975 Main Street, Watsonville, CA (see Figure 1).

Watsonville Slough drains the other sloughs in and west of Watsonville CA. The Watsonville Slough starts along Ramsay Park in Watsonville, passes under Main Street, Harkins Slough Road under Highway 1, passes over Lee Road, and under San Andreas Road. It meets the Pajaro River near the beach at Monterey Bay (Figure 2).

Watsonville Slough, in the Study Area (Figure 3), contains a seasonal floodplain, detention basin, and intermittent creek (low flow channel). The intermittent creek in the Study Area is a headwater of the Watsonville Slough, and in the Study Area, occurs approximately 0.25 miles southwest from the origins of the creek (Figure 4).

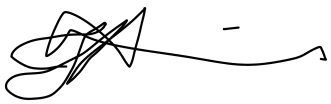
I evaluated available historic aerial photographs and associated precipitation data. Appendix A presents the historic aerials and dates of flights. Table 1 presents this data. As can be seen from this data, the segment of creek in the Study Area is dry in the months of May through December (except during non-normal rain events). The segment of creek in the Study Area flows consistently in the months of March and April.

Given these findings, the Riparian corridor category that applies for the study area per City of Watsonville Municipal Code Section 7-6.152 would be: (b) an area extending thirty (30') feet, measured horizontally, from each side of an intermittent stream. Distance shall be measured from the top of the existing bankfull flowline.

The Site and Setback Figure (Figure 5) was prepared using a plot of the existing bankfull flowline and 30-foot setback overlain with the site plan.

Please contact me at jhunting@huntenv.com with any questions or comments.

Regards,



Joyce Hunting
Principal

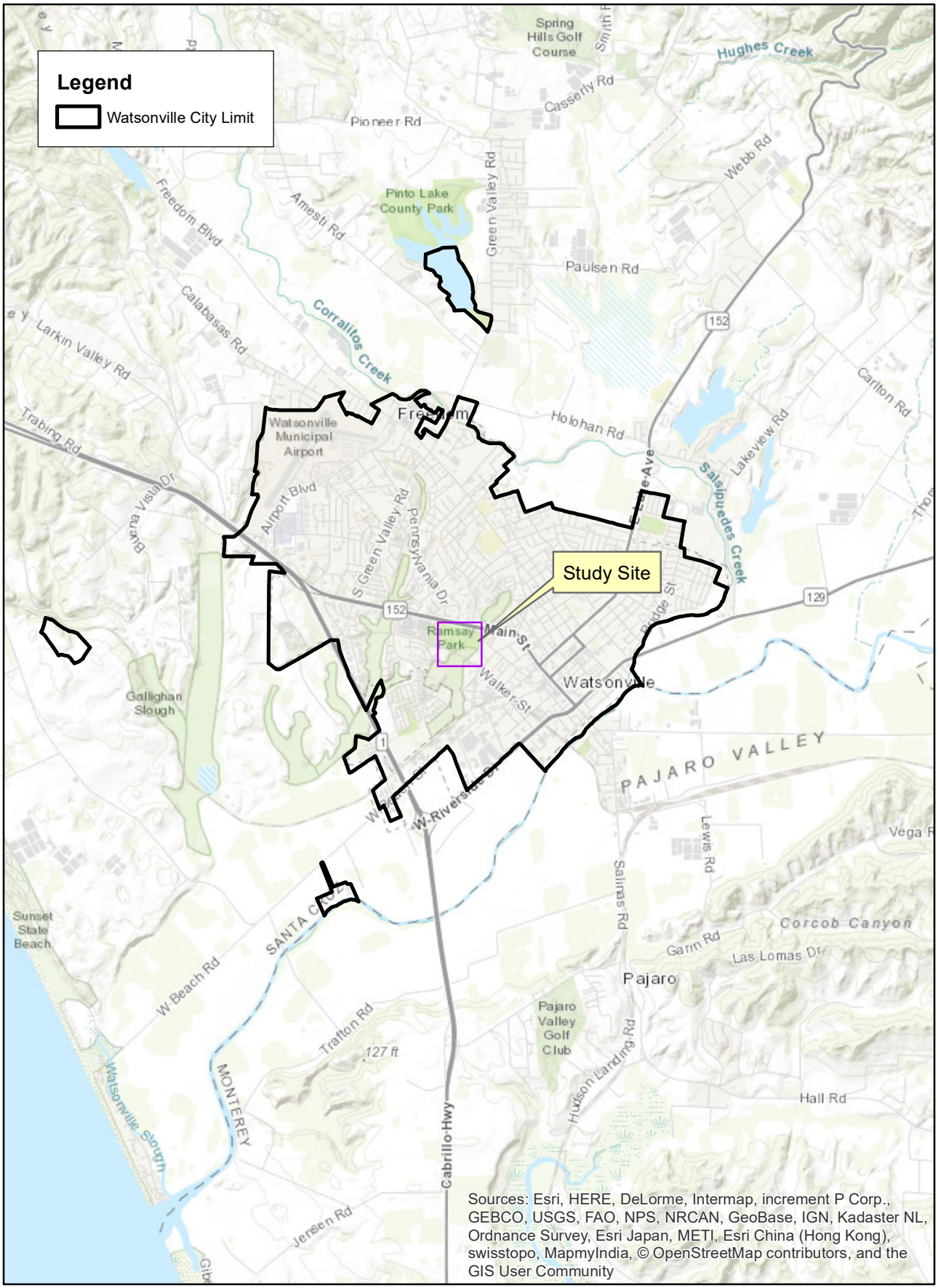
Table 1. Precipitation* and Creek Condition at time of Aerial Photo

Photo #	Day	Month	Year	Creek Condition	Precipitation Month/Year of Photo	Precipitation Prior Month of Photo	Max Daily Precipitation in Month/Year of Photo
1		2	2014	Dry	4.71	0.05	1.68
2		3	2005	Wet	3.93	4.05	1.45
3		3	2009	Wet	1.49	5.12	0.57
4		3	2015	Wet	0.67	2.23	0.48
5		4	2013	Wet	0.6	0.59	0.21
6		4	2016	Wet	0.63	7.59	0.23
7		5	2006	Wet	0.61	4.27	0.56
8		5	2010	Dry	0.22	2.53	0.12
9		5	2011	Dry	1.52	0.57	0.47
10	3	5	2012	Wet	0.04	3.01	0.03
11	9	5	2018	Dry	0.06	2.2	0.03
12		6	2007	Dry	0	0.1	0
13		6	2009	Dry	0	0.27	0
14		8	2004	Dry	0.01	0.08	0.01
15		8	2006	Dry	0	0	0
16		8	2009	Dry	0	0	0
17		9	2008	Dry	0	0.01	0
18	29	9	2009	Dry	0.05	0	0.05
19	30	9	2009	Dry	0.05	0	0.05
20	30	9	2010	Dry	0	0.01	0
21	1	9	2017	Dry	0.18	0	0.06
22		10	2004	Dry	1.98	0.01	0.95
23	31	10	2011	?	1.96	0.03	1.15
24		11	2003	Dry	1.94	0.44	0.39
25		11	2008	Dry	0.94	0.32	0.54
26		11	2006	Dry	1.03	0.09	0.46
27		12	2006	Dry	5.48	1.89	2.41

Wet Previous Month Wet

Major One Day Event

* From Watsonville Municipal Station

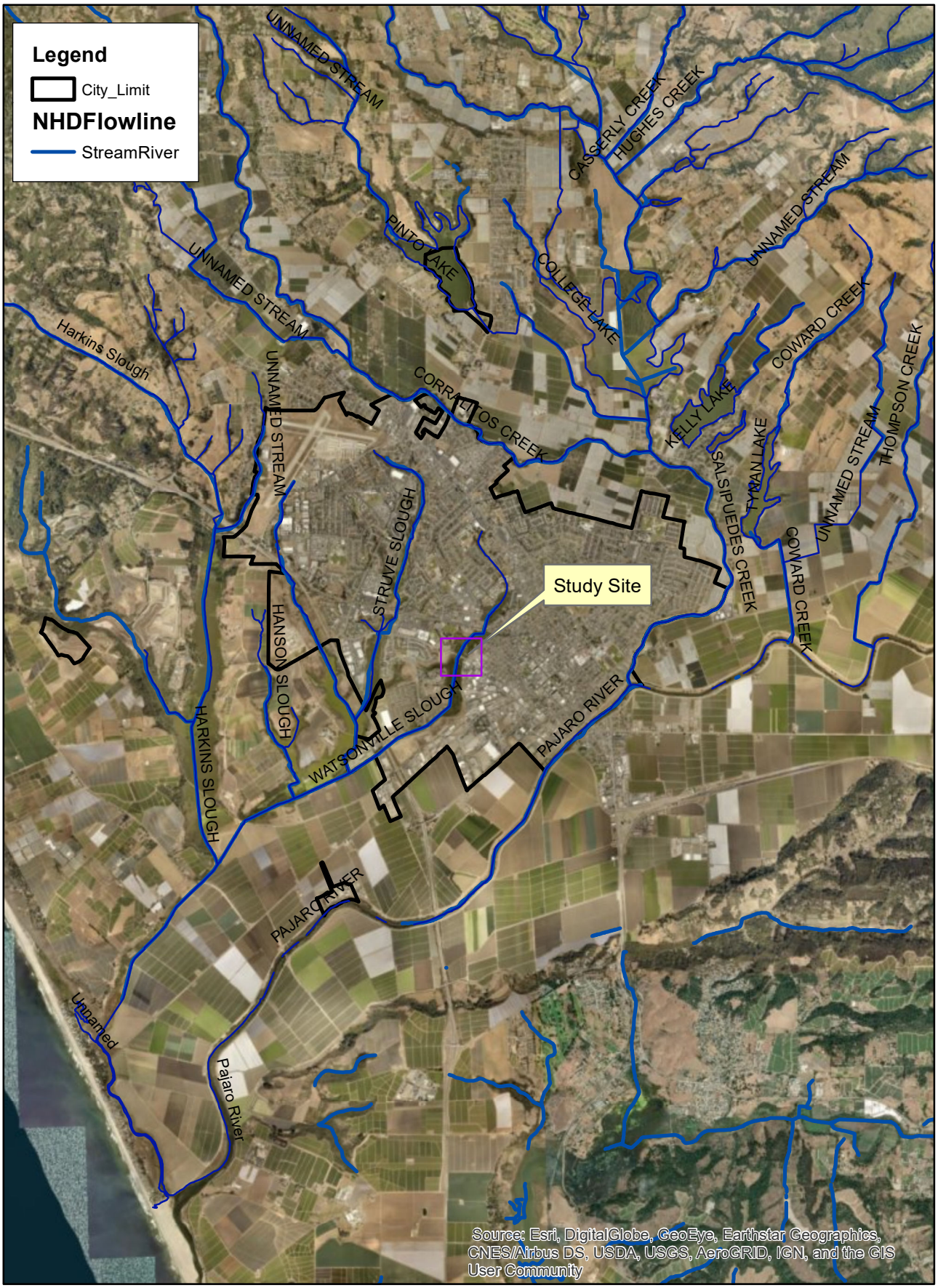


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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

Figure 1
Location Map



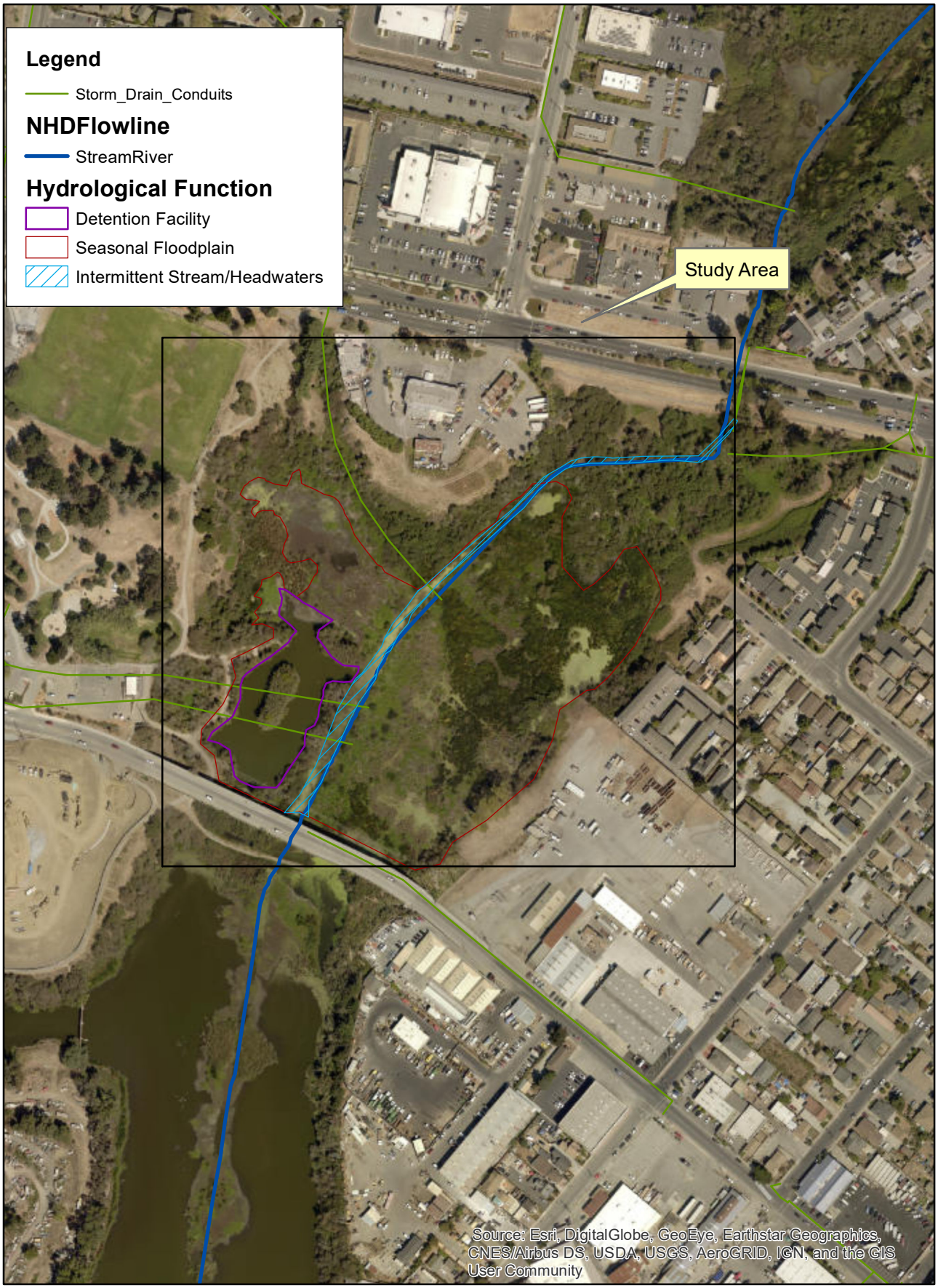
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HUNTING ENVIRONMENTAL

1 inch = 7,000 feet

N

Figure 2
Watsonville Slough
Watershed View



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H.E. HUNTING ENVIRONMENTAL

1 inch = 400 feet

N

Figure 3
Hydrological Function

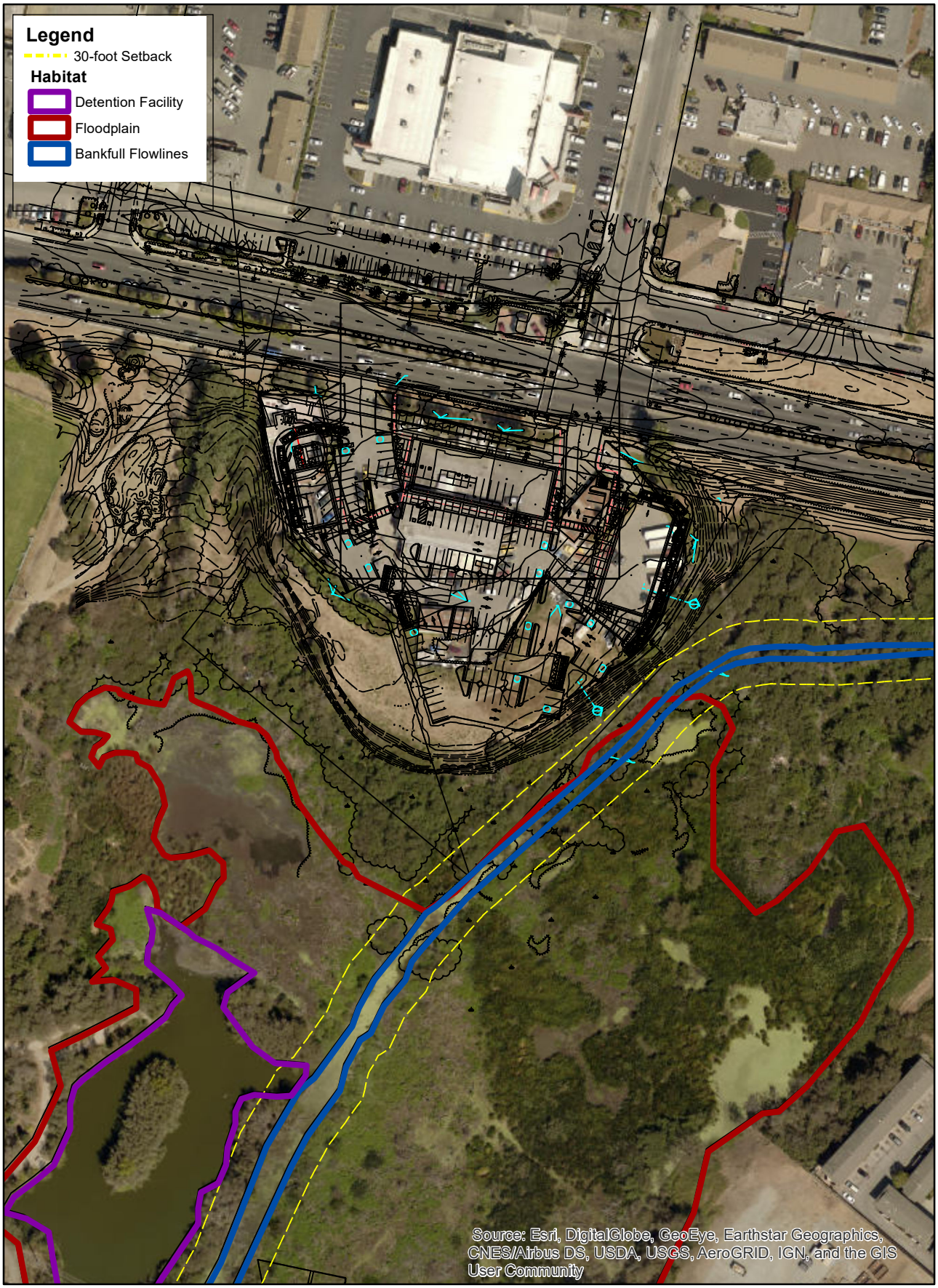


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HUNTING ENVIRONMENTAL

1 inch = 800 feet

Figure 4
Headwaters



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H.E. HUNTING ENVIRONMENTAL

1 inch = 200 feet

N

Figure 5
Site Plan and Creek Setback

APPENDIX F

NOISE

Fundamentals of Noise

NOISE

Noise is most often defined as unwanted sound; whether it is loud, unpleasant, unexpected, or otherwise undesirable. Although sound can be easily measured, the perception of noise and the physical response to sound complicate the analysis of its impact on people. People judge the relative magnitude of sound sensation in subjective terms such as "noisiness" or "loudness."

Noise Descriptors

The following are brief definitions of terminology used in this chapter:

- **Sound.** A disturbance created by a vibrating object, which, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.

- **Noise.** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.

- **Decibel (dB).** A unitless measure of sound, expressed on a logarithmic scale and with respect to a defined reference sound pressure. The standard reference pressure is 20 micropascals (20 μPa).

- **Vibration Decibel (VdB).** A unitless measure of vibration, expressed on a logarithmic scale and with respect to a defined reference vibration velocity. In the U.S., the standard reference velocity is 1 micro-inch per second ($1x10^{-6}$ in/sec).

- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels that approximates the frequency response of the human ear.

- **Equivalent Continuous Noise Level (L_{eq}); also called the Energy-Equivalent Noise Level.** The value of an equivalent, steady sound level which, in a stated time period (often over an hour) and at a stated location, has the same A-weighted sound energy as the time-varying sound. Thus, the L_{eq} metric is a single numerical value that represents the equivalent amount of variable sound energy received by a receptor over the specified duration.

- **Statistical Sound Level (L_n).** The sound level that is exceeded "n" percent of time during a given sample period. For example, the L_{50} level is the statistical indicator of the time-varying noise signal that is exceeded 50 percent of the time (during each sampling period); that is, half of the sampling time, the changing noise levels are above this value and half of the time they are below it. This is called the "median sound level." The L_{10} level, likewise, is the value that is exceeded 10 percent of the time (i.e., near the maximum) and this is often known as the "intrusive sound level." The L_{90} is the sound level exceeded 90 percent of the time and is often considered the "effective background level" or "residual noise level."

- **Day-Night Sound Level (L_{dn} or DNL).** The energy-average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.

- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added from 7:00 PM to 10:00 PM and 10 dB from 10:00 PM to 7:00 AM. NOTE: For general community/environmental noise, CNEL and L_{dn} values rarely differ by more than 1 dB (with the CNEL being only slightly more restrictive – that is, higher than the L_{dn} value). As a matter of practice, L_{dn} and CNEL values are interchangeable and are treated as equivalent in this assessment.

- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

Characteristics of Sound

When an object vibrates, it radiates part of its energy in the form of a pressure wave. Sound is that pressure wave transmitted through the air. Technically, airborne sound is a rapid fluctuation or oscillation of air pressure above and below atmospheric pressure that creates sound waves.

Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). Loudness or amplitude is measured in dB, frequency or pitch is measured in Hertz [Hz] or cycles per second, and duration or time variations is measured in seconds or minutes.

Amplitude

Unlike linear units such as inches or pounds, decibels are measured on a logarithmic scale. Because of the physical characteristics of noise transmission and perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1 presents the subjective effect of changes in sound pressure levels. Ambient sounds generally range from 30 dBA (very quiet) to 100 dBA (very loud). Changes of 1 to 3 dB are detectable under quiet, controlled conditions, and changes of less than 1 dB are usually not discernible (even under ideal conditions). A 3 dB change in noise levels is considered the minimum change that is detectable with human hearing in outside environments. A change of 5 dB is readily discernible to most people in an exterior environment, and a 10 dB change is perceived as a doubling (or halving) of the sound.

Table 1 Noise Perceptibility

Change in dB	Noise Level
± 3 dB	Threshold of human perceptibility
± 5 dB	Clearly noticeable change in noise level
± 10 dB	Half or twice as loud
± 20 dB	Much quieter or louder

Source: Bies, David A. and Colin H. Hansen. 2009. *Engineering Noise Control: Theory and Practice*. 4th ed. New York: Spon Press.

Frequency

The human ear is not equally sensitive to all frequencies. Sound waves below 16 Hz are not heard at all, but are "felt" more as a vibration. Similarly, though people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and below about 200 Hz.

When describing sound and its effect on a human population, A-weighted (dBA) sound levels are typically used to approximate the response of the human ear. The A-weighted noise level has been found to correlate well with people's judgments of the "noisiness" of different sounds and has been used for many years as a measure of community and industrial noise. Although the A-weighted scale and the energy-equivalent metric are commonly used to quantify the range of human response to individual events or general community sound levels, the degree of annoyance or other response also depends on several other perceptibility factors, including:

- Ambient (background) sound level
- General nature of the existing conditions (e.g., quiet rural or busy urban)
- Difference between the magnitude of the sound event level and the ambient condition
- Duration of the sound event
- Number of event occurrences and their repetitiveness
- Time of day that the event occurs

Duration

Time variation in noise exposure is typically expressed in terms of a steady-state energy level equal to the energy content of the time varying period (called L_{eq}), or alternately, as a statistical description of the sound level that is exceeded over some fraction of a given observation period. For example, the L_{50} noise level represents the noise level that is exceeded 50 percent of the time; half the time the noise level exceeds this level and half the time the noise level is less than this level. This level is also representative of the level that is exceeded 30 minutes in an hour. Similarly, the L_2, L_8 and L_{25} values represent the noise levels that are exceeded 2, 8, and 25 percent of the time or 1, 5, and 15 minutes per hour, respectively. These "n" values are typically used to demonstrate compliance for stationary noise sources with many cities' noise ordinances. Other values typically noted during a noise survey are the L_{min} and L_{max}. These values represent the minimum and maximum root-mean-square noise levels obtained over the measurement period, respectively.

Because community receptors are more sensitive to unwanted noise intrusion during the evening and at night, state law and many local jurisdictions use an adjusted 24-hour noise descriptor called the Community Noise Equivalent Level (CNEL) or Day-Night Noise Level (L_{dn}). The CNEL descriptor requires that an artificial increment (or "penalty") of 5 dBA be added to the actual noise level for the hours from 7:00 PM to 10:00 PM and 10 dBA for the hours from 10:00 PM to 7:00 AM. The L_{dn} descriptor uses the same methodology except that there is no artificial increment added to the hours between 7:00 PM and 10:00 PM. Both descriptors give roughly the same 24-hour level, with the CNEL being only slightly more restrictive (i.e., higher). The CNEL or L_{dn} metrics are commonly applied to the assessment of roadway and airport-related noise sources.

Sound Propagation

Sound dissipates exponentially with distance from the noise source. This phenomenon is known as "spreading loss." For a single-point source, sound levels decrease by approximately 6 dB for each doubling of distance from the source (conservatively neglecting ground attenuation effects, air absorption factors, and barrier shielding). For example, if a backhoe at 50 feet generates 84 dBA, at 100 feet the noise level would be 79 dBA, and at 200 feet it would be 73 dBA. This drop-off rate is appropriate for noise generated by on-site operations from stationary equipment or activity at a project site. If noise is produced by a line source, such as highway traffic, the sound decreases by 3 dB for each doubling of distance over a reflective ("hard site") surface such as concrete or asphalt. Line source noise in a relatively flat environment with ground-level absorptive vegetation decreases by an additional 1.5 dB for each doubling of distance.

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. Extended periods of noise exposure above 90 dBA results in permanent cell damage, which is the main driver for employee hearing protection regulations in the workplace. For community environments, the ambient or background noise problem is widespread, through generally worse in urban areas than in outlying, less-developed areas. Elevated ambient noise levels can result in noise interference (e.g., speech interruption/masking, sleep disturbance, disturbance of concentration) and cause annoyance. Since most people do not routinely work with decibels or A-weighted sound levels, it is often difficult to appreciate what a given sound pressure level number means. To help relate noise level values to common experience, Table 2 shows typical noise levels from familiar sources.

Table 2 Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Onset of physical discomfort	120+	
	110	Rock Band (near amplification system)
Jet Flyover at 1,000 feet		
	100	
Gas Lawn Mower at three feet		
	90	
Diesel Truck at 50 feet, at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
	70	Vacuum Cleaner at 10 feet
Commercial Area		Normal speech at 3 feet
Heavy Traffic at 300 feet	60	
		Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (background)
Quiet Suburban Nighttime		
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall (background)
	20	
		Broadcast/Recording Studio
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

Source: California Department of Transportation (Caltrans). 2009, November. Technical Noise Supplement ("TeNS"). Prepared by ICF International.

Vibration Fundamentals

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities stemming from operations of railroads or vibration-intensive stationary sources, but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. As with noise, vibration can be described by both its amplitude and frequency. Vibration displacement is the distance that a point on a surface moves away from its original static position; velocity is the instantaneous speed that a point on a surface moves; and acceleration is the rate of change of the speed. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During construction, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure.

Vibration amplitudes are usually described in terms of either the peak particle velocity (PPV) or the root mean square (RMS) velocity. PPV is the maximum instantaneous peak of the vibration signal and RMS is the

square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage and RMS is typically more suitable for evaluating human response.

As with airborne sound, annoyance with vibrational energy is a subjective measure, depending on the level of activity and the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Persons accustomed to elevated ambient vibration levels, such as in an urban environment, may tolerate higher vibration levels. Table 3 displays the human response and the effects on buildings resulting from continuous vibration (in terms of various levels of PPV).

Table 3 Human Reaction to Typical Vibration Levels

Vibration Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.006–0.019	Threshold of perception, possibility of intrusion	Vibrations unlikely to cause damage of any type
0.08	Vibrations readily perceptible	Recommended upper level of vibration to which ruins and ancient monuments should be subjected
0.10	Level at which continuous vibration begins to annoy people	Virtually no risk of "architectural" (i.e. not structural) damage to normal buildings
0.20	Vibrations annoying to people in buildings	Threshold at which there is a risk to "architectural" damage to normal dwelling – houses with plastered walls and ceilings
0.4–0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: California Department of Transportation (Caltrans). 2004, June. Transportation- and Construction-Induced Vibration Guidance Manual. Prepared by ICF International.

LOCAL REGULATIONS

12 PUBLIC SAFETY

INTRODUCTION AND BACKGROUND

Watsonville 2005 addresses public safety and noise control through analysis of conditions and hazards that have the potential to cause loss of life, injury, property damage, economic loss, and social dislocation. For Watsonville, these constraints include seismic and other geologic hazards, flooding, urban and wildland fires, hazardous materials, aviation hazards, and harmful effects of noise. The city cannot be made hazard free, but the planning process can be used to minimize exposure to dangerous conditions. This is the concept of acceptable risk and it is an inherent part of the environmental planning process.

COMMUNITY CONCERNS

The safety concerns expressed by the community have already been noted in the Environmental Resource Management chapter (9) and the Public Facilities and Services chapter (11). They focus on the protection of people and physical environments from natural and built hazards by maintaining a high level of fire, police and other public services.

ACCEPTABLE RISK

Every community must decide what public safety standards are acceptable and the actions needed to maintain those standards. For planning purposes, an acceptable level of risk is one at which a hazard is deemed to be a tolerable exposure to danger, given the expected benefits to be gained. For some types of risk, e.g. noise and/or air pollution, numerical measures have been defined to identify the threshold of acceptable risk. In the case of seismic or flooding hazards, for example, specific locations are identified as unacceptable based on their distance from known faults or elevation.

Environmental impact review is frequently used to assist in the decision-making process. Each identifiable risk must be addressed with mitigation measures that eliminate or minimize potential hazards. The measures include limitation of use of locations which are prone to hazard, special construction techniques and site planning, programs to respond to hazardous conditions, and the restriction or elimination of specific operations.

GEOLOGIC HAZARDS

Watsonville lies between two major fault zones, the San Andreas to the north and east, and the San Gregorio, offshore to the west. Other active or potentially active fault zones that could affect Watsonville include the Zayante and Corralitos in the Pajaro Valley, and the Monterey Bay fault zone to the west. Figure 12-1 shows the regional location of these zones.

The U.S. Geological Service has estimated that the San Andreas fault could produce an earthquake of 8.5 magnitude on the Richter scale. In this event, the potential for surface rupture would be high. Other ground failures such as landslides and liquefaction are also possible depending on the intensity and duration of an earthquake. A large portion of Watsonville's urbanized area would be subjected to loss of soil strength resulting from liquefaction and settlement in the event of an earthquake with a magnitude similar to the 1906 San Francisco occurrence.

Liquefaction is a process by which water-saturated granular soils transform from a solid to a liquid state because of sudden shock or strain. Liquefaction is associated with saturated soils, having high sand and silt content. These soil conditions occur along broad bands which follow the creeks, sloughs, rivers and lakes that drain the Planning Area. Areas with soil subject to moderate or high potential for liquefaction are shown in Figure 12-2. Much of downtown Watsonville is in a zone of moderately high liquefaction potential. Site-specific investigations should be used to assess the potential for liquefaction-induced ground failure and identify possible mitigation measures.

The Loma Prieta Earthquake

On October 17, 1989, at 5:04 PM, a magnitude 7.1 earthquake on the Loma Prieta Fault rocked Watsonville and much of the San Francisco/ Monterey Bay area. The epicenter was five miles from the City and shook the City for approximately 22 seconds. The initial shock was followed by some 8000 aftershocks, eight of which measured five or more on the Richter scale. The earthquake caused $60 million in structural damages in Watsonville. Nineteen hundred structures sustained some level of damage, and 700 buildings were severely damaged. Twelve hundred persons were left homeless, 500 people were injured and there was one death.

Approximately 90 percent of the structural damage resulted from the failure of unreinforced masonry construction and wood frame construction not properly attached to a foundation. Significant earthquake damage was noted in the older portions of town where much pre-1940's construction still existed and where soil is subject to liquefaction. Liquefaction and subsidence were identified as a major source of damage to streets, water systems, sewer systems, and other public infrastructure.

In 1986, the City had initiated a Multi-Functional Guidance Plan format for disaster planning and commenced significant staff training efforts. As a result, the City was able to respond well to the after-quake emergency. Since 1989, the City has made an assessment of its emergency response and developed the *Hazard Mitigation Plan* for the City of Watsonville to improve response capability for future emergencies.

The *Hazard Mitigation Plan* discusses in detail the successes and problems incurred during the Loma Prieta response. This document includes a work program of 26 items to mitigate problems before they occur and improve future emergency response. The City is in the process of implementing the findings of this report.

Failure of unreinforced masonry structures is another earthquake related concern in Watsonville. Unreinforced masonry structures are particularly susceptible to crumbling and failure during earthquakes. Prior to the Loma Prieta Earthquake, Watsonville was in the process of addressing the issue of unreinforced masonry structures in the city. The City proposes to develop a program in conformance with state law to identify and address the remaining suspected unreinforced masonry structures in the city.

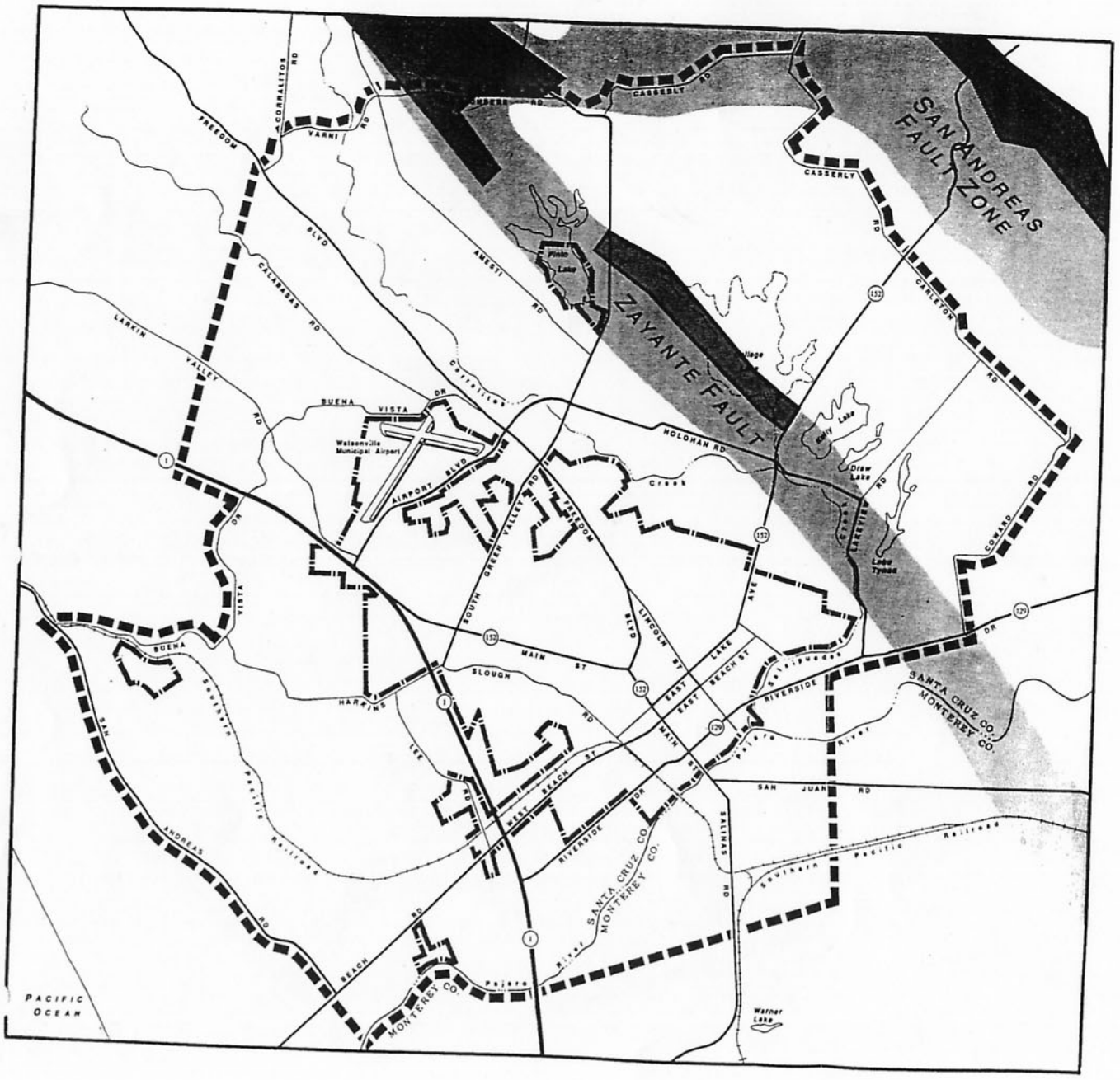
Areas adjacent to the San Andreas fault possess high potential for landslides. The blockage of Hecker Pass Road, northeast of the city, in 1982 temporarily disrupted access to Watsonville. Appropriate land uses on unstable slopes include open space, agriculture or very low-density residential.

Seismic sea waves or tsunamis are large oceanic waves induced by sea floor faulting. A seiche is a similar wave but occurring inside a bay or harbor. Although the urbanized area of the Watsonville Planning Area would not be directly affected by these phenomena it is likely that persons living along the coast are at risk and would use San Andreas Road and Beach Road to seek temporary shelter in Watsonville.

FLOOD HAZARDS

Figure 12-3 shows the portion of the Planning Area prone to inundation by a 100-year flood, a flooding event that has a one percent probability of occurring in any given year. More detailed information on flood-prone areas is available in the form of Flood Insurance Rate Maps produced by the Federal Emergency Management Agency (FEMA). These maps are available to the public and are used by the Public Works Department to determine the necessity for issuance of Flood Hazard Permits.

The Pajaro River and Corralitos Creek have a long history of flooding, as occurred in 1955 and 1975, and can be expected to flood again. In future flooding events, the extent of damage will depend upon the area inundated and the level of urbanization that exists in flood-prone areas. Under the Flood Insurance Program, new construction within the flood



KEY

Alquist-Priolo Special Study Zones

Other Zones of Potential Surface Rupture

Watsonville City Limits as of 1992

Planning Area Boundary

0 1,900 3,800

Scale in Feet

CITY OF WATSONVILLE

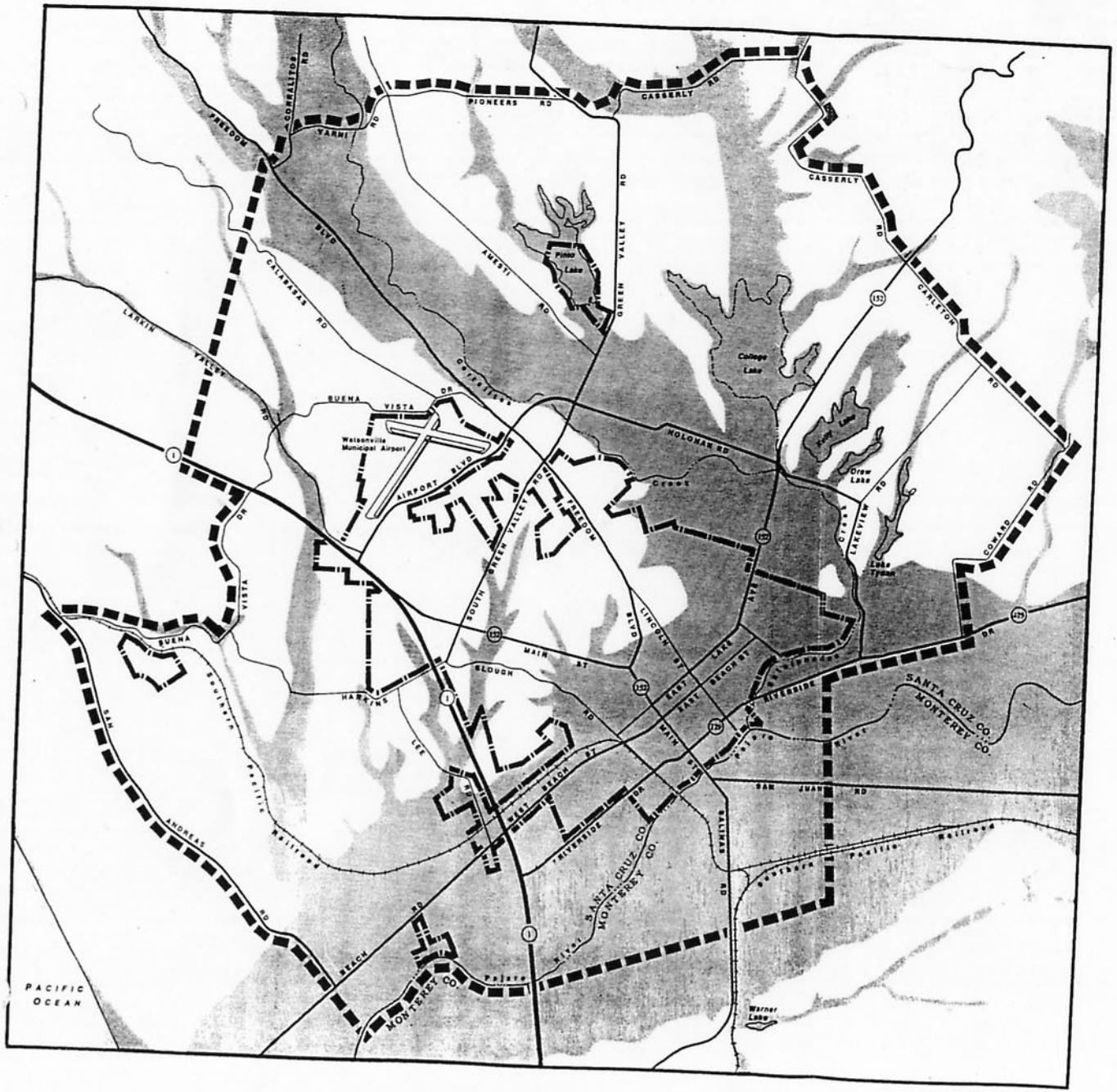
PLANNING DEPARTMENT

Seismic Surface Rupture Potential

Source: USGS Maps – State of California Special Studies Zones, 1976; and, Faults and their Potential Hazards in Santa Cruz County, 1974

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-1



KEY

Areas of high- to moderately-high potential for soil liquefaction during an earthquake

Watsonville City Limits as of 1992

Planning Area Boundary

0 1,900 3,800

Scale in Feet

CITY OF WATSONVILLE

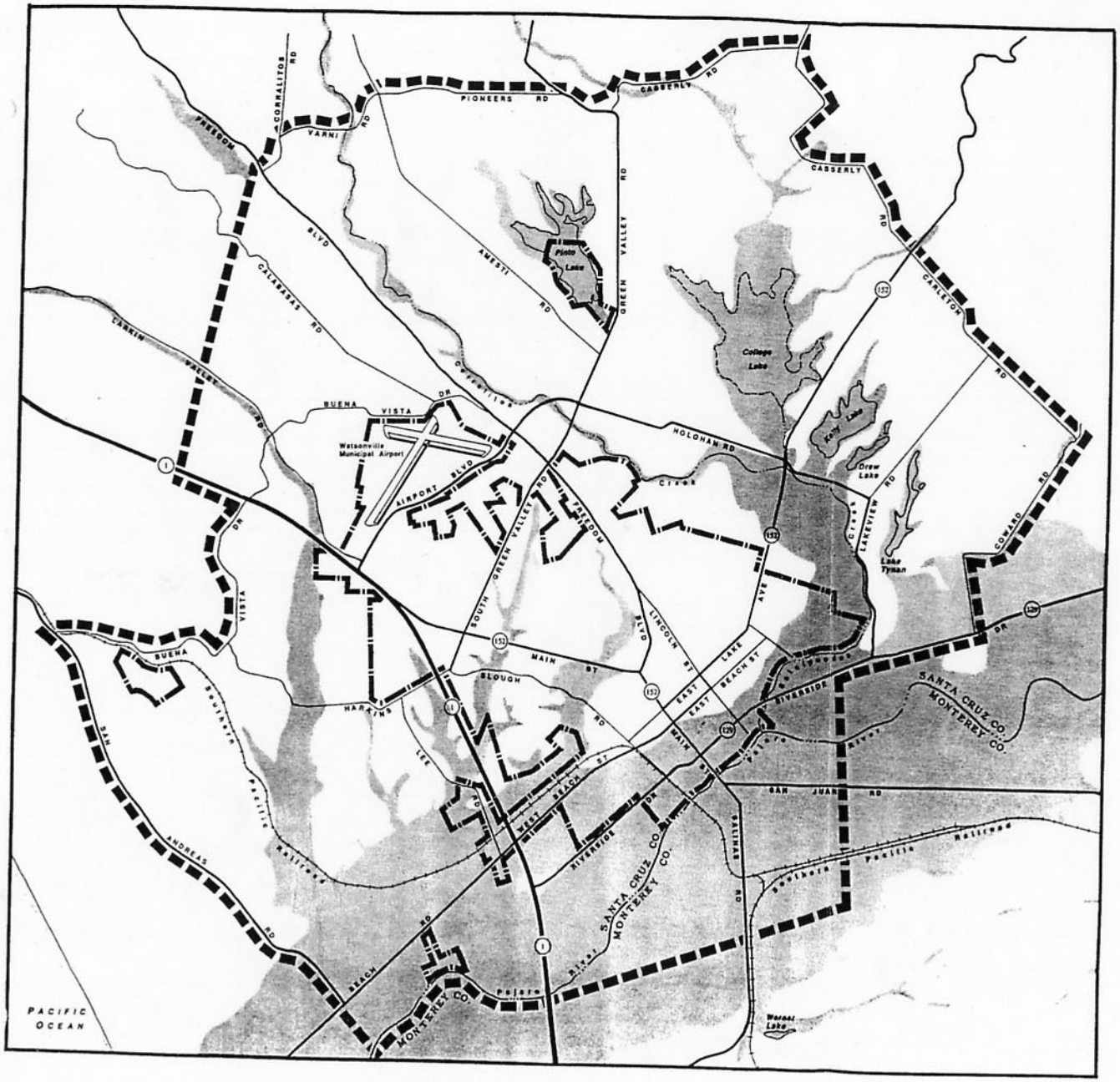
PLANNING DEPARTMENT

Liquefaction Potential

Source: Maps Showing Geology and Liquefaction Potential of Quarternary Deposits in Santa Cruz County, California, 1975

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-2



KEY

100-year Flood Zone

Watsonville City Limits as of 1992

Planning Area Boundary

0 1,900 3,800

Scale in Feet

CITY OF WATSONVILLE

PLANNING DEPARTMENT

Flood Hazard Boundary

Source: Flood Insurance Rate Maps, 1984

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-3

plain must be elevated above the 100-year flood level or flood proofed and will be at an acceptable level of risk.

Watsonville participates in the Pajaro Valley Task Force, a group comprised of representatives of public agencies and private interests, to address drainage concerns in the Pajaro Valley drainage basin. In October of 1991, this group recommended the establishment of Santa Cruz County Flood Control and Water Conservation District Zone 7, which is proposed to encompass the Pajaro River Valley Drainage Basin. In late 1991, both Watsonville and Santa Cruz County established Zone 7. Monterey County had not agreed to its establishment.

Since the formation of Zone 7, assistance from the Army Corps of Engineers has been requested to prepare a study to determine improvements that could be made throughout the Pajaro Valley Drainage Basin to improve flood capacity. In the Watsonville area, this study may make recommendations relative to the Corralitos and Salsipuedes Creeks and the Pajaro River. In addition, the City and County are currently working with the Department of Fish and Game to allow some clearing of vegetation, which could improve the carrying capacity of these channels by an additional three-year storm capacity. (Storm events, similar to flooding events, are described by the frequency a given magnitude storm event will occur on the average. A three-year storm is a storm that has an intensity that, on average, will occur only once every three years.)

Without major improvements, some flooding is inevitable. The existing channel and levee system along the Pajaro River has approximately a 20-year storm capacity. The Corralitos and Salsipuedes Creeks have five- and seven-year storm capacities respectively. The Monterey County North County Area Plan (1984) has designated the entire course of the Pajaro River from San Benito County to Monterey Bay as a flood-prone area (100-year floodplain).

When streets, buildings, and parking lots cover the natural ground surface, adequate storm drainage facilities must be substituted for the soil's ability to absorb rainfall. In Watsonville, the natural drainage pattern has been supplemented by a system of structures which is described in the 1980 *Storm Drainage Master Plan*. There are five separate drainage zones within the Planning Area:

- Watsonville Slough
- Struve Slough
- West Branch Struve Slough
- Downtown
- Salsipuedes Creek.

New development is required to provide adequate mitigation measures to accommodate storm water run-off.



Photo: Courtesy of the Register-Pajaronian

Willow trees and underbrush are cleared from the channel bottom of the Salsipuedes Creek, which flows into the Pajaro River. The work is designed to improve creek and river flow and to help control flooding of the Pajaro River during winter storms.

The Watsonville Zoning Ordinance provides for a Flood Protection Zoning District (EM-F). It serves as an overlay district to regulate the uses of land in areas subject to flood inundation.

FIRE HAZARDS

For land use planning purposes, fires are classified in two categories: (1) wildland fires that occur in undeveloped areas; and (2) urban fires that involve structures and vehicles. Both types pose a threat to life and property in the Watsonville Planning Area.

Residential fire potential is high in certain areas of the city due to the age of the housing stock (approximately 3,000 units are over 40 years old), overcrowding (2,500 units were classified as overcrowded by the 1990 Census), and substandard building conditions. Based on the 1992 *Citywide Housing Survey,* 1,167 housing units in the city were found to be in need of some level of repair. Of these, only two units were considered dilapidated and eight units were in need of substantial repair. The remainder required minor or moderate repair. In addition, access to units located in certain areas is poor due to narrow alleys and limited on-site parking.

As a major food processing center, Watsonville has a highly concentrated aggregation of cold storage plants, freezing plants, canneries, and packing plants. The large buildings, intense use of plant equipment, chemicals and methods of production pose a potential fire safety problem. However, important fire prevention precautions have been taken to achieve an acceptable level of risk, including: extensive use of sprinkler systems, fire detectors linked to an approved central receiving station, frequent inspections, and improved access.

Wildland fires occasionally break out in the grasslands and on the dry, chaparral-covered hills. They are normally contained long before they pose a threat to the urbanized area. The California Division of Forestry has primary responsibility for fire suppression in watershed areas; but under provisions of mutual aid agreements, the City will provide reciprocal aid to other jurisdictions in time of emergency. The Freedom, Salsipuedes and County fire departments each have district boundaries and primary response within portions of the Planning Area.

HAZARDOUS MATERIALS

Hazardous materials include substances which are corrosive, poisonous, radioactive, flammable or explosive. Watsonville has taken action to identify and address safety issues associated with the use, storage, and transport of hazardous materials in the city. Emergency preparedness planning has been undertaken by the Watsonville Fire Department to address the issue of hazardous materials. In response to the Tanner bill, the City has adopted its own hazardous material management plan.

ELECTROMAGNETIC FIELDS

Considerable debate has occurred over the past 10 years regarding the health impacts associated with the electromagnetic fields surrounding power lines and electrical appliances. While some linkage between exposure to electromagnetic fields and health problems, such as cancer, has been demonstrated,[1] it should be noted that safe levels of exposure have not yet been determined by experts. As a result, no standards for the regulation of exposure have been developed. The City of Watsonville will continue to monitor this issue and require it to be addressed for projects in close proximity to power transmission lines as a part of the environmental review process.

AIRPORT HAZARDS

The Watsonville Airport is considered a reliever airport for general aviation from the San Francisco Bay area. Approximately 350 aircraft are located at the airport. By the year 2005, the number of aircraft based in Watsonville could increase consistent with the *Airport Master Plan*. There are 330 average daily

1. Various studies referred to in the Environmental Impact Report for the Silicon Diversified Residential Development and the "Evaluation of Potential Health Risks Due to Powerline Electric and Magnetic Fields for the Buena Vista Estates Environmental Impact Report," prepared by Andrew A. Marino, Ph.D., June 11, 1991.

aircraft operations (landings and takeoffs) from the Watsonville Airport.

The Watsonville Airport has a good safety record. Between 1973 and 1992, over one million operations have occurred at the airport with only 14 aircraft accidents (one death and four off-airport incidents). None of the recorded accidents involved a serious injury to a civilian or resident not involved with flying the aircraft.

Safety issues regarding compatibility between airport operations and the surrounding environment include noise impacts, ground safety, and flight hazards. The *Airport Master Plan* focuses on airport safety and noise abatement for future airport operations. An Airport Safety Committee meets regularly to address safety and noise issues. The City will work to aggressively manage airport noise and airport safety issues in the future.

The primary means of reducing the population's exposure to noise and accident risks is controlling land use density and limiting high occupancy structures such as schools, hotels, and hospitals.

An update of the *Airport Master Plan* began in 1991. Subsequent updates will be undertaken at least every five years to ensure that the airport's development is carried out in a manner that maintains an acceptable level of risk for the airport and the surrounding areas.

EMERGENCY PREPAREDNESS

The policies for environmental constraint management and public safety have been developed in an effort to protect lives and property by preventive measures. Watsonville also recognizes the need to remain prepared should disaster strike. The City has prepared a state-approved *Emergency Preparedness Plan* and has identified evacuation routes for the relocation of residents from any part of the Planning Area experiencing hazardous conditions. As illustrated in Figure 12-5, routes have been selected to move the population toward any point of the compass depending on the nature of the emergency.

In addition, the *Hazard Mitigation Plan*, developed after the Loma Prieta Earthquake, identifies several emergency preparedness improvements that are of benefit in emergencies other than earthquakes. The implementation of the recommendations in that Plan will improve the city's overall emergency response capability.

The City has developed and adopted a *Community-based Disaster Response Plan*, which describes a method of organizing the efforts of the entire community around disasters. This plan includes coordinating the efforts of governmental agencies as well as schools, hospitals, businesses, non-profit agencies, and other community groups and addresses short-term and long-term recovery needs.

NOISE

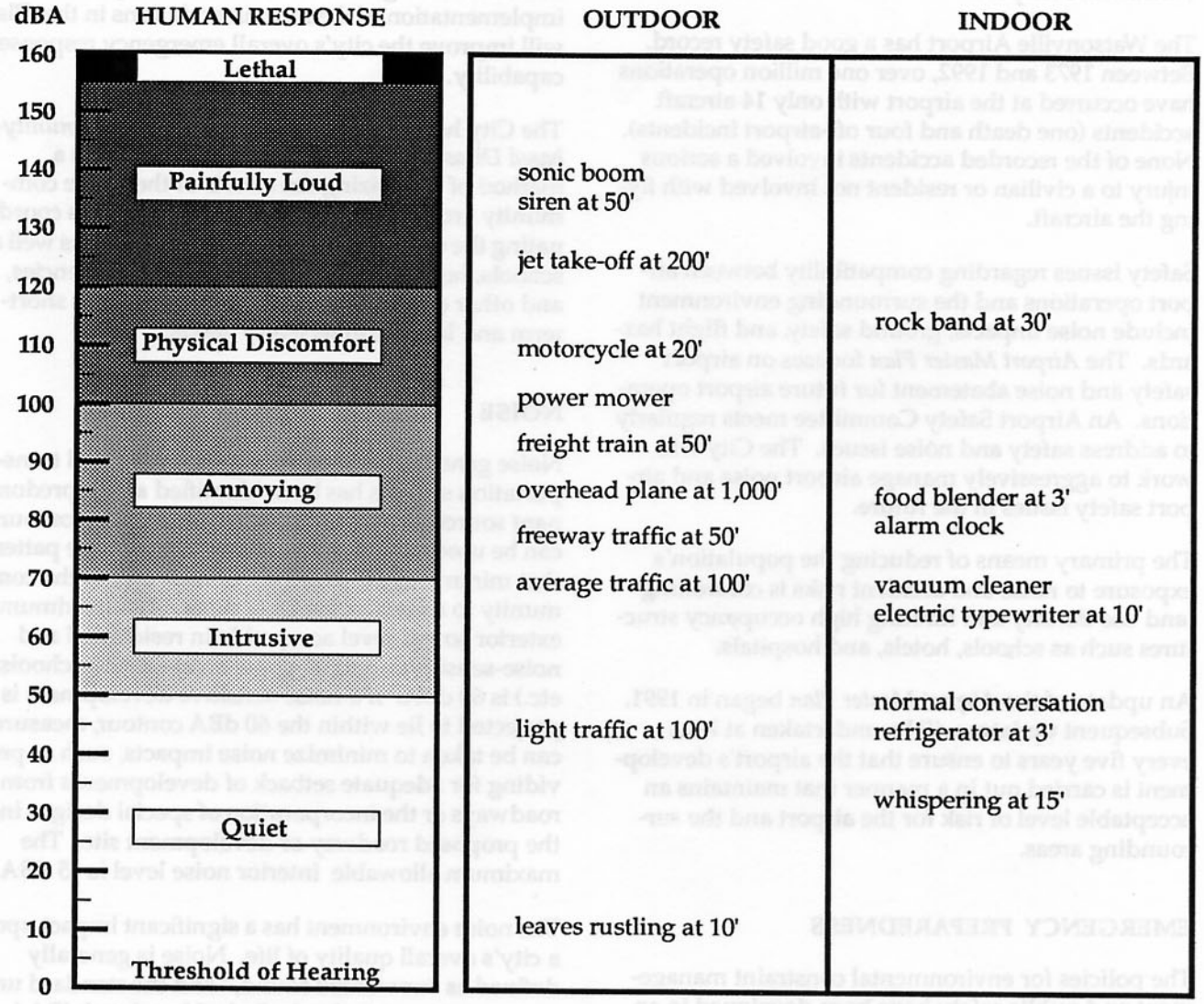
Noise generated from existing and proposed transportation sources has been identified as the predominant source of noise in Watsonville. Noise contours can be used as a guide to establish a land use pattern that minimizes the exposure of residents of the community to excessive levels of noise. The maximum exterior sound level acceptable in residential and noise-sensitive areas (e.g., parks, churches, schools, etc.) is 60 dBA. If a noise-sensitive development is projected to lie within the 60 dBA contour, measures can be taken to minimize noise impacts, such as providing for adequate setback of developments from roadways or the incorporation of special designs into the proposed roadway or development site. The maximum allowable interior noise level is 45 dBA.

The noise environment has a significant impact upon a city's overall quality of life. Noise is generally defined as "unwanted sound," and the standard unit or measurement is the decibel, abbreviated dBA (see Figure 12-4). Sound levels measured in dBA are calculated on a logarithmic basis similar to the scale used to measure earthquakes. Therefore, an increase of 10 dBA represents a 10-fold increase in the sound energy being released.

The decibel scale exhibits the following characteristics:

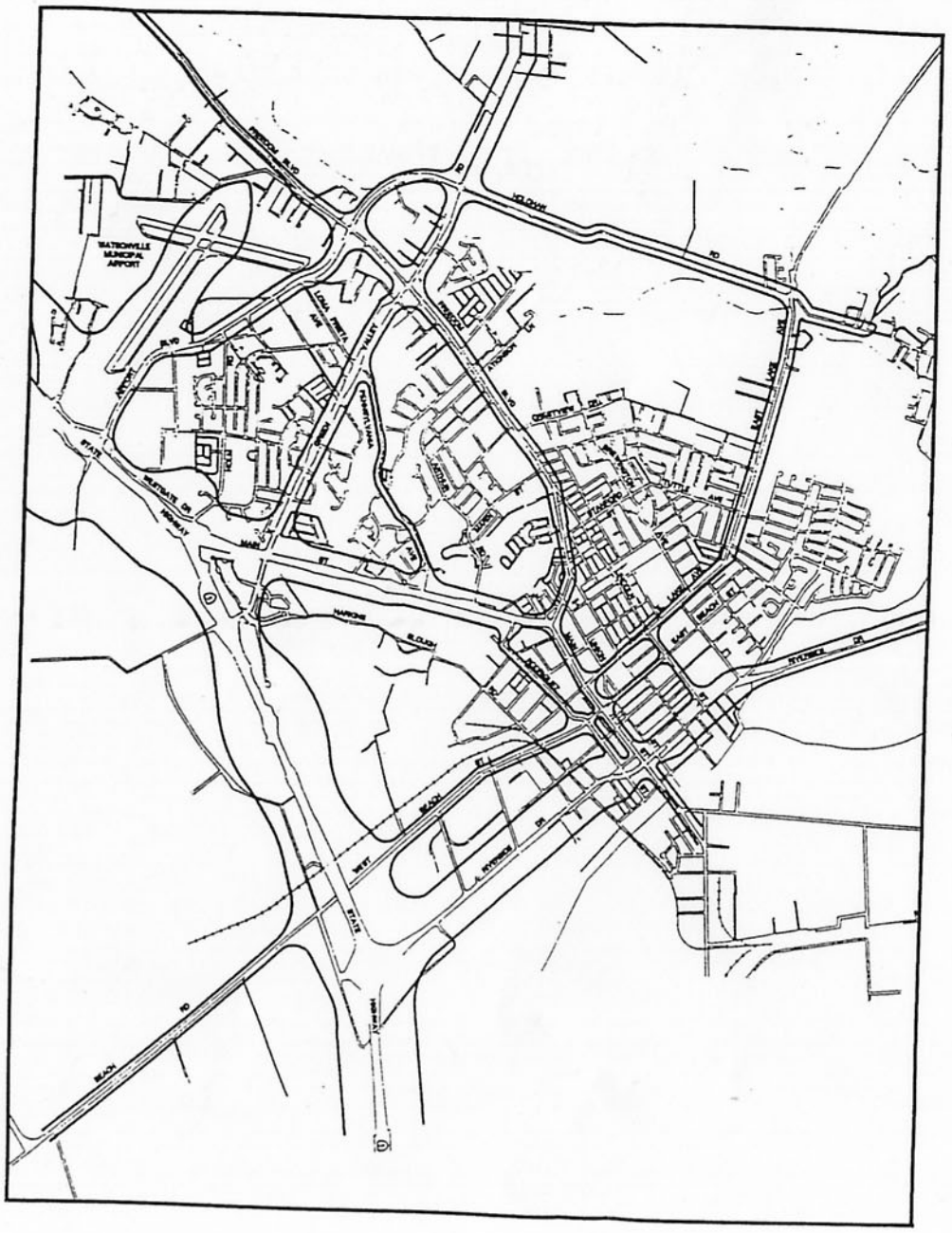
- A 10-dBA increase in an existing sound level approximately doubles the perceived loudness of the sound.

Figure 12-4 Acoustical Scale



Source: August 1989 Draft Watsonville 2005

- For each doubling of distance away from a line source of noise, such as a road, noise levels are reduced by 3 to 5 dBA. Doubling the distance away from a point source reduces the noise level by 6 dBA.
- The addition of two equivalent noise sources will equal a new value 3 dBA higher than the original sounds. If one sound is greater than 10 dBA higher than an adjacent sound, the lesser sound will not contribute to the resulting sound level.
- According to the Environmental Protection Agency (EPA) and various noise studies, the effects of noise on people include the following:
- Noise levels above 40-50 dBA can disturb a sleeping person.
- Speech interference begins to occur at 45-50 dBA, becoming severe at 60 dBA and above.
- Work performance can be affected at noise levels of 65 dBA and above.



KEY

60 Decibel Ldn Sound Level

0 2000
FEET

CITY OF WATSONVILLE

PLANNING DEPARTMENT

Existing Noise Contours: 1988 Transportation Sources

Source: Barton-Aschman / Ergo Engineering, 1989

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-7

- Damage to the human ear can occur at about 70 dBA, and sounds above 70 dBA can cause physical stress, such as muscular tension, increased heartbeat, and adrenaline flow.

Measuring the effects of noise is subjective at best, since individuals have different perceptions about noise effects. The State Department of Health Services has developed average levels of sound acceptability which define noise exposure levels for varying land uses (see Figure 12-6).

The level of noise within a community is typically represented on noise contour maps. Noise contours are lines drawn about a noise source indicating constant or average dBA levels of sound during a 24-hour period exposure, as measured by the Ldn level. The noise contour for 60 dBA sound levels was used as the critical value in this analysis.

The 60 dBA sound level is consistent with the state exterior noise level standard of 60 dBA or less. Inherent in the 60 dBA exterior-noise standard is a recommended maximum interior noise standard of 45 dBA. Using normal construction techniques, it is assumed that typical building reduces outdoor noise levels by 10 to 15 dBA with open windows, and 20 to 24 dBA with closed windows. Where exterior sound levels are greater than 60 dBA, an acoustical analysis for projects may be required to ensure that the indoor standards can be achieved.

The Federal Highway Administration (FWHA) has developed a method for predicting noise generated by constant-speed traffic. This method predicts the energy of a reference noise level and adjusts it for grade, traffic flow, vehicle classification, and shielding. By using the peak-hour volumes for daily traffic, an estimate of noise level can be determined at a given distance from a source. The model was adjusted to also calculate the distance for a given level of sound. Using the standard noise level of 60 dBA, the distance that this sound level occurs can be calculated and the corresponding noise contours developed.

DEVELOPING NOISE CONTOURS

Traffic counts provided by Caltrans and the Santa Cruz County Transportation Commission were used for estimating noise levels on the highway and arterial system. The locations of the 60 dBA, 65 dBA, and 70 dBA noise contours from the road centerline were developed for each roadway link. The transportation model of the 1988-2005 Master Street Plan provided the future traffic volumes used to determine the future noise contours.

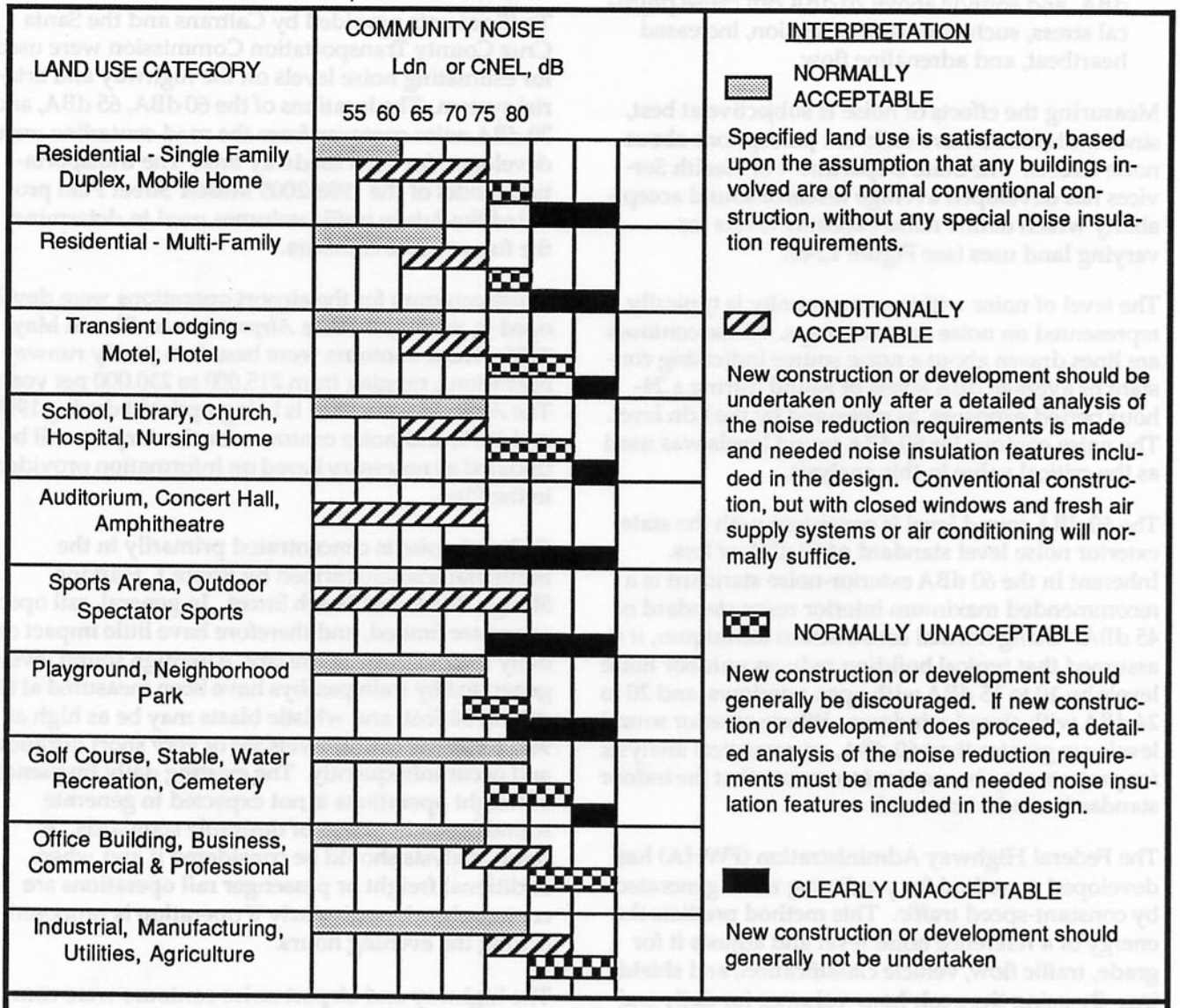
Noise contours for the airport operations were developed in the Watsonville *Airport Master Plan* in May, 1985. These contours were based on yearly runway operations, ranging from 215,000 to 230,000 per year. The *Airport Master Plan* is being updated during 1991 and 1992, and noise contours for the Airport will be updated as necessary based on information provided in the Plan.

Railroad noise is concentrated primarily in the industrial triangle formed by Route 1, Harkins Slough Road, and Beach Street. In general, rail operations are limited, and therefore have little impact on daily level of noise in the city. Although sound levels generated by train passbys have been measured at 86 dBA at 50 feet, and whistle blasts may be as high at 98 dBA, these sound levels are of very short duration and occur infrequently. The existing daily frequency of freight operations is not expected to generate sound levels in excess of desirable standards. A noise analysis should be considered if and when additional freight or passenger rail operations are contemplated, particularly if operation is proposed during the evening hours.

The highway and airport noise contours were combined for the development of the noise contour maps. The worst case between the two LOS networks was used to identify the future noise level contours. It was found that the difference between the C and D networks was very minor. The existing and future noise contours are presented in Figure 12-7 and Figure 12-8.

Transportation noise effects are concentrated along the highways with the greatest volume of traffic and highest speeds. The largest noise areas that exist presently and will exist in the future are in the

Figure 12-6 Land Use Compatibility for Community Noise Environments



Noise Source Characteristics

The land use - noise compatibility recommendations should be viewed in relation to the specific source of the noise. For example, aircraft and railroad noise is normally made up of higher single noise events than auto traffic, but occurs less frequently. Therefore, different sources yielding the same composite noise exposure do not necessarily create the same noise environment.

Suitable Interior Environments

One objective of locating [both single and multi-family] residential units relative to a known noise source is to maintain a suitable interior noise environment at no greater than 45 dB CNEL or Ldn. This requirement, coupled with the measured or calculated noise reduction performance of the type of structure under consideration, should govern the minimum acceptable distance to a noise source.



KEY

60 Decibel Ldn Sound Level

0 2000
FEET

CITY OF WATSONVILLE

PLANNING DEPARTMENT

Future Noise Contours: 2005 Transportation Sources

Source: Barton-Aschman / Ergo Engineering, 1989

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-8

vicinity of the airport and along Highway 1. A large portion of the city is shielded from Highway 1 noise by the natural contours in the area. However, where direct line of sight to Highway 1 is possible, the 60 dBA contour reaches out in excess of 1,000 feet.

Another area of significant noise impacts occurs along Route 129. The noise intrusion band along Route 129 is nearly 600 feet wide on both sides of the highway. This is primarily because of the high speed of the facility and the flat terrain.

The major difference between the existing and future noise conditions is the growth of noise sensitive areas (60 dBA and higher) along the peripheral roads of the city, such as Martinelli and Bridge-Wagner Streets. New streets, such as Errington Road, will introduce a new noise source in the areas they traverse.

The use of landscaped earth berms and sound walls can be used along new and existing corridors to mitigate potential noise increases. For example, the use of earth berms on Highway 1 substantially reduces the area of noise impact. In the residential areas in the north side of the city, it may be useful to lower the travel speeds of the peripheral routes in order to reduce anticipated sound levels. A plus or minus of 3 dBA change in the level of sound can occur by doubling or halving the traffic volume, or by a changing the speed by ±7 miles per hour.

The primary purpose for establishing the noise contour maps is to provide the City of Watsonville with a means to plan for the compatibility of projected land uses with the expected noise environment. If, during the project review process, a proposed noise-sensitive development is found to lie within the 60 dBA contour, measures can be taken to minimize noise impacts, such as providing for an adequate setback of the development from the roadway. A special noise analysis may be required for the project to ensure that the structure will be designed to achieve the interior noise level standard of 45 dBA.

GOALS FOR PUBLIC SAFETY

The goals for this element address state mandates for Safety and Noise. They also reflect community concerns for emergency preparedness and personal safety.

Goal 12.1 Land Use Safety

Plan for and regulate the uses of land in order to provide a pattern of urban development which will minimize exposure to hazards from either natural or human-related causes.

Goal 12.2 Seismic and Other Geologic Hazards

Reduce the potential for loss of life, injury, and economic damage resulting from earthquakes and associated geologic hazards such as landslides and liquefaction.

Goal 12.3 Flood Hazard Reduction

Reduce the potential for loss of life and property damage in areas known to be flood prone.

Goal 12.4 Fire Safety/Protection

Ensure that all existing structures in the city are maintained at adequate levels of fire suppression standards, that new structures conform to current fire safety standards, and that coordination is maintained between urban and rural fire districts for the prevention and suppression of structural and wildland fires.

Goal 12.5 Hazardous Materials

Reduce the potential danger related to the use, storage, transport, and disposal of hazardous materials to an acceptable level of risk for city residents.

Goal 12.6 Personal Safety

Ensure that community standards for personal safety are enforced.

Goal 12.7 Emergency Preparedness

Anticipate the potential for disasters; maintain continuity of life-support functions during an emergency; and maximize efforts for post-emergency recovery.

Goal 12.8 Noise Hazard Control

Evaluate new and existing land uses in the city for compatibility related to noise effects and require, as appropriate, mitigation where harmful effects can be identified and measurable improvement will result.

POLICIES AND IMPLEMENTATION MEASURES

The policy statements for public safety are oriented toward reduction of risks to life and property. It is recognized that good planning and management can reduce risk potential, but the city cannot be made risk free. For additional policies and implementation measures on public safety, see the Public Facilities and Services chapter (11).

Policy 12.A Environmental and Public Safety

The City shall plan for and maintain development standards that minimize risks to human lives and property resulting from environmental and man-caused hazards.

The City shall protect neighboring residential development from the immediate threats of potentially hazardous industrial or agricultural materials and airport hazards through careful land use planning.

Implementation Measures

12.A.1 Airport Compatibility – The City shall use its development review process to ensure that proposals within the Airport Operations Impact Area are carefully analyzed to prevent and minimize potential hazards. Projects shall be consistent with the city's and state's guidelines for buildings and land uses compatible with airports.

12.A.2 Airport Operation Buffer – Those areas within the safety sensitive airport operations buffer area shall be maintained in open space which serves agricultural, recreational, alternative transportation, and/or environmental protection needs.

12.A.3 Industrial Buffer Zones – The City shall require new industrial projects to provide a clear zone between industrial structures and adjacent residential land use.

12.A.4 Notification – In addition to establishing agricultural buffer areas, the City shall encourage notification of residents of abutting residential property when applications of insecticides or other dangerous substances are scheduled.

12.A.5 Risk Reduction – The City shall identify, avoid, and/or minimize natural and human-caused hazards in the development of property and the regulation of land use.

12.A.6 Electromagnetic Fields – The City shall continue to pursue the evaluation of the impact of electromagnetic fields associated with power transmission lines as a part of the project environmental review process.

Policy 12.B Seismic Hazards

The City shall use the development review process to ensure that potential geologic hazards are evaluated and mitigated prior to construction.

Implementation Measures

12.B.1 Geologic Review – The City may require a geotechnical report prepared by a registered professional prior to the issuance of a building permit.

12.B.2 Structural Design – The City shall place structural design conditions on new development to ensure that recommendations of the geotechnical evaluation are implemented.

12.B.3 Setbacks – The City shall require that all structures be located a minimum of 50 feet from any active or potentially active fault trace.

12.B.4 Essential Facilities Integrity – The City shall evaluate the ability of essential public facilities to maintain structural integrity as defined by the state in the event of a strong

earthquake. Those facilities unable to maintain structural integrity shall be modified in order to bring them into conformance. Emergency guidelines shall be developed in those buildings where structural modification is not feasible.

12.B.5 Safety Conditions – The City shall require the application of seismic safety use conditions for development in the Seismic Safety District (EM-SS) as described in the Zoning Code.

12.B.6 Unreinforced Buildings – The City shall establish a program to evaluate, and mitigate where possible, potentially hazardous buildings constructed prior to the adoption of building codes for earthquake resistant design. The focus of this evaluation shall be buildings constructed of unreinforced masonry walls.

12.B.7 Seismic Hazard Mapping – The City shall update current seismic hazard zone maps as new information becomes available and use those maps in the development and application of an environmental constraint matrix to evaluate proposed building sites.

12.B.8 Public Information – The City shall participate with other appropriate agencies to provide the public with information on what actions to take before, during, and after an earthquake.

Policy 12.C Soil Constraints

The City shall take all appropriate actions to ensure that current land use activities and new developments are mitigated to prevent soil failure and other soil-related dangers.

Implementation Measures

12.C.1 Risk Mitigation – The City shall identify and mitigate to an acceptable level of risk new development proposed in areas with geologic, seismic, flood, or other environmental constraints.

12.C.2 Soils Investigation – The City shall require a soils investigation report prior to new development on sites deemed to have a high potential for soil erosion, landslide, or other soil-related constraints.

12.C.3 Foundation Design – The City shall require that new development provide for appropriate foundation design to comply with city building standards and recommendations of the soils investigation.

12.C.4 Slope – The City shall not permit new development on soils that are subject to landslide.

12.C.5 Final Soil Grade – The City shall require that soil grading blend with natural topography and that final cut slopes shall be no steeper than three horizontal to one vertical (33 percent).

Policy 12.D Flood Hazard Reduction

The City shall pursue the protection of new and existing development from the impacts of flooding up to the 100-year event.

Implementation Measures

12.D.1 Flood Protection – The City shall require new development to conform to the Flood Damage Prevention Ordinance and the guidelines of the National Flood Insurance Program.

12.D.2 Storm Water Retention – The City shall condition new development to provide for on-site retention and percolation of storm water run-off.

12.D.3 Storm Drains – New development shall be required to pay for or extend all necessary storm drains to serve the project site.

12.D.4 Storm Water Collection – The City shall require street design to include curbs and gutters that collect and direct storm water run-off to drainage facilities.

12.D.5 Flood Mitigation – The City shall pursue planning and financial support for the

improvement of flood conditions along the Corralitos and Salsipuedes Creeks, the Pajaro River, and other areas of the drainage basin impacting Watsonville as recommended by the Santa Cruz County Flood Control and Water Conservation District Zone 7.

Policy 12.E Hazardous Materials Control

The City shall strictly enforce ordinances and regulations for the use, storage, transport, and disposal of hazardous materials.

Implementation Measures

12.E.1 Inspections – The City shall conduct periodic safety inspections of industrial and commercial facilities that use and store hazardous materials and dangerous chemicals.

12.E.2 Training – The City shall conduct periodic training exercises for the identification, containment, decontamination, and disposal of hazardous materials.

12.E.3 Planning – The City shall conduct periodic review and update of all Hazardous Materials Management Plans, as well as the city's Area Plan, for responding to and controlling hazardous materials emergencies.

12.E.4 Education – The City shall conduct public education programs on the safe use, storage, and disposal of hazardous materials.

12.E.5 Collection and Disposal – The City shall follow state and federal regulations to ensure that hazardous wastes are collected, and disposed of, in a manner that prevents contamination to air, soil, or water. Special effort shall be made to develop a Hazardous Waste Disposal Program for low-level users (i.e., households, small business).

12.E.6 Identification of Potentially Hazardous New Businesses – The City shall use the development processing and business license process to identify potential hazardous uses and to require preventative programs including, but not limited to, the development of neighborhood, area evacuation plans, and hazardous material handling and disposal plans.

Policy 12.F Fire Safety Standards

The City shall use development approval authority, code enforcement, and periodic inspections to ensure that fire prevention standards are maintained.

Implementation Measures

12.F.1 Access – The City shall require that new driveways and roadways meet minimum standards of the Uniform Fire Code or subsequent standards established by city ordinance.

12.F.2 Cul-de-Sacs – New cul-de-sac streets shall have a minimum 32-foot turning radius.

12.F.3 Private Access Roads – All private access roads shall be maintained by a responsible party to ensure safe and expedient passage to the Fire Department at any time. All locking devices shall be subject to approval of the Fire Department.

12.F.4 Road Construction – Roadways shall be "all-weather" type, as defined by city standards.

12.F.5 Width and Vertical Clearance – All roadways shall maintain city standards for minimum width and vertical clearance.

12.F.6 Alleys – Existing alleyways shall be upgraded to city standards for emergency access, street addressing, and available water supply.

12.F.7 Emergency Access – On dead end streets longer than allowed by city development standards, secondary emergency access shall be required for use by emergency vehicles or approved built-in fire protection provided.

12.F.8 Fire Flow – New development shall be conditioned to provide adequate water for fire suppression in accordance with city standards for minimum volume and duration of flow.

12.F.9 Open Area – Property owners shall be responsible for maintaining vacant sites free of trash, weeds, or other fire safety hazards.

12.F.10 Building Safety – Property owners shall be responsible for maintaining their structures at a reasonable degree of fire and life safety as identified by the uniform fire, building, mechanical, electrical and other such adopted codes and city ordinances.

12.F.11 Built-In Fire Protection – The City shall continue to promote the installation of built-in fire extinguishing systems and early warning fire alarm systems. The City acknowledges the fact that built-in fire protection is a better substitute than expanding public fire protection services.

12.F.12 Street Name and Numbering – The City shall ensure that new developments within the city do not duplicate areawide street names and that address numbering follows a logical progression.

12.F.13 Fire Cause Investigation – The Fire Department shall determine the cause of all fires responded to and support law enforcement agencies in their investigation of deliberately set fires.

Policy 12.G Fire Safety Education

The City shall use Fire Department personnel to perform effective fire safety and prevention programs.

Implementation Measures

12.G.1 Public Schools – The City shall provide fire safety and prevention programs for the Pajaro Valley Unified School District.

12.G.2 Institutions – The City shall provide classes in fire safety for high occupancy institutional land uses, and commercial and industrial occupancies.

12.G.3 Community Groups – The City shall provide presentations on fire safety to community groups and forums.

12.G.4 Child Fire Setters – The City shall provide counseling services under the Child Fire Setter Counseling Program.

Policy 12.H Fire Suppression Planning

The City shall maintain a level of fire protection for the community that emphasizes an aggressive initial attack to stop fires in early stages as well as to have adequate staff and equipment (including mutual aid) to prevent a conflagration.

Implementation Measures

12.H.1 Level of Service – The City shall strive to provide properly staffed and equipped fire stations to provide a response time of four minutes from the nearest fire station to all portions of the city as measured by the Fire Chief, except for the following: residential neighborhoods having no special fire hazard or special populations having a medical related problem, i.e. convalescent homes and senior housing, which may install an approved fire sprinkler system to substitute for the fire station location in the area between four and seven minute response time.

12.H.2 Action Priorities – When multiple emergency requests for service occur, the Fire Department shall take action by the following ranked priorities.

a. Control of the most life-threatening fire or hazardous materials incident.

b. Rescue and treatment of victims facing life-threatening injury.

c. Control over non-life threatening emergency incidents.

d. Support for other city and county departments to perform their emergency responsibilities.

12.H.3 Future Mutual Benefit Fire Stations – The City shall work toward agreements with the Freedom, Salsipuedes and Santa Cruz County Fire Districts to augment fire station

locations as the Planning Area population increases.

12.H.4 Mutual Aid – The City shall continue to fulfill legal obligations and support mutual aid efforts to coordinate fire suppression within Santa Cruz County and the State of California to prevent and suppress major wildland and urban fire destruction.

12.H.5 Fire Apparatus – The City shall maintain apparatus and equipment necessary to accomplish an aggressive and effective initial attack, as well as to prevent a potential conflagration.

12.H.6 Financing – New development shall be required to contribute a proportional share of the cost of constructing and equipping additional fire stations.

12.H.7 Personnel Preparedness – The City promotes clearly identified job standards and structured, well-planned training for all personnel involved with public fire protection. All suppression personnel shall be supplied with proper safety equipment to safely and effectively deal with fire and hazardous materials emergencies. The City promotes actions that develop a healthy and physically fit work force.

12.H.8 Fire Pre-planning – The Fire Department shall continually evaluate target fire hazards and pre-plan for major emergencies.

12.H.9 Planning Area Fire Protection – The City shall promote the concepts of fire prevention and suppression adopted in the City's General Plan in the Planning Area located outside the City limit boundaries.

Policy 12.I Crime Prevention

The City shall provide sufficient funding, adequate personnel levels, and necessary equipment to maintain civil order and prevent crime.

Implementation Measures

12.I.1 Neighborhood Support – The Police Department shall promote neighborhood crime prevention efforts and encourage area residents to report unusual behavior or circumstances.

12.I.2 Project Security Review – The City shall refer new development projects to the Police Department for a security review. This review shall include, but not be limited to:

a. The provision of adequate lighting for personal security.

b. The provision of adequate locking devices for windows and doors.

c. The location of walkways and access points.

12.I.3 Children, Youth, and Families – The City recognizes that the best way to ensure the safety of children, youth, and families is through prevention and early intervention programs. Therefore, the City will work to prevent and correct unsafe situations to the extent possible.

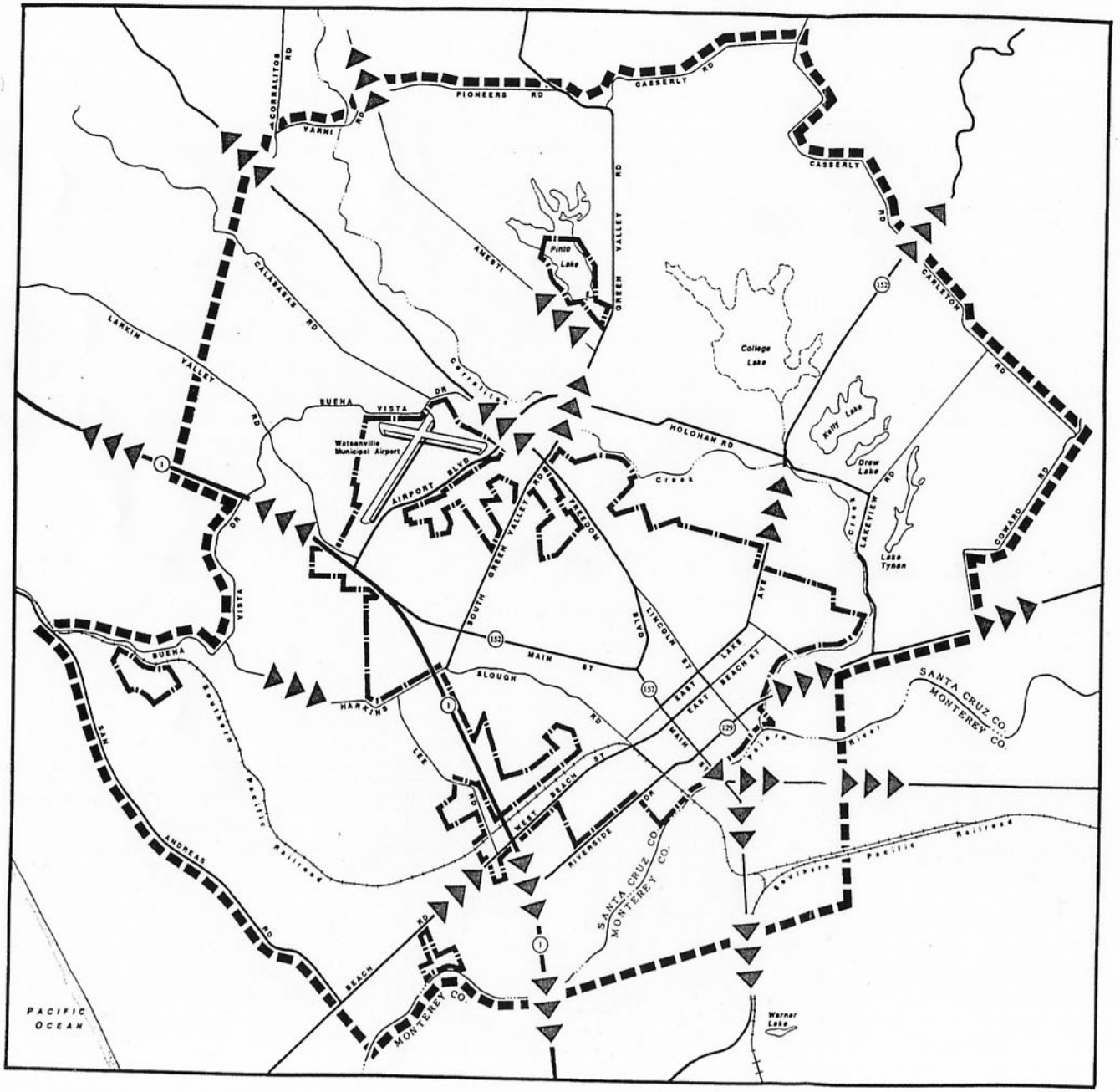
Policy 12.J Emergency Medical Care

The City shall strive to maintain field emergency medical services consistent with population growth in the Planning Area.

Implementation Measures

12.J.1 Service – The Fire Department shall continue to provide basic life support emergency medical services when not otherwise occupied with fire or hazardous materials problems.

12.J.2 Paramedic – The Fire Department shall support continuation of advanced life support services in the city, and shall attempt to provide this service should private service no longer be feasible or available.



KEY

Evacuation Routes

Watsonville City Limits as of 1992

Planning Area Boundary

0 1,900 3,800

Scale in Feet

CITY OF WATSONVILLE

PLANNING DEPARTMENT

Evacuation Routes

Source: Watsonville Multihazard Functional Planning Guide, 1986

This graphic is not intended to be used for site-specific decision making. Consult the City or County for detailed information.

Figure 12-5

Policy 12.K Rescue Services

The City shall strive to maintain emergency rescue services consistent with population growth in the city.

Implementation Measures

12.K.1 Light Rescue – The Fire Department shall maintain adequate equipment and hand tools for the extraction of victims from vehicles, aircraft, buildings, and for other emergency rescue circumstances.

12.K.2 Heavy Rescue Management – The Fire Department shall manage heavy duty rescue situations in which special equipment and methods are required. Special equipment in these circumstances may be obtained from other city departments or the private sector.

Policy 12.L Emergency Preparedness

The City shall be prepared to maintain critical public services during emergency situations.

Implementation Measures

12.L.1 Training – All City departments shall conduct the appropriate level of training activities to ensure preparedness before an emergency situation, continuity of services during an emergency situation, and recovery operations after the event.

12.L.2 Critical Facilities – The City shall evaluate the ability of critical facilities to survive and continue to operate during emergency conditions, and identify alternate facilities and operating plans for post-emergency recovery.

12.L.3 Planning – The City shall annually update the Emergency Preparedness Plan and coordinate planning efforts with the local community and the Santa Cruz County Office of Emergency Services.

12.L.4 Evacuation – The City shall designate evacuation routes for the Planning Area, according to the planning format outlined in the Emergency Preparedness Plan.

12.L.5 Hazard Mitigation Plan – The City of Watsonville shall actively pursue the implementation of the recommendations included in the Hazard Mitigation Plan for the City of Watsonville that was developed after the 1989 Loma Prieta Earthquake, including preparation of the *Community-based Disaster Response Plan.*

Policy 12.M Noise

The City shall utilize land use regulations and enforcement to ensure that noise levels in developed areas are kept at acceptable levels, and that future noise-sensitive land uses are protected from noise that is harmful.

Implementation Measures

12.M.1 Traffic Noise – The City shall enforce provisions of the California Vehicle Code and local ordinances to reduce vehicular noise intrusion in residential areas and near other noise sensitive land uses such as schools and hospitals.

12.M.2 Truck Routes – The City shall continue efforts to designate truck routes that bypass residential areas and other noise sensitive areas.

12.M.3 Equipment Maintenance – The City shall maintain all vehicles and mechanical equipment in peak operating condition and correctly fitted with noise control devices.

12.M.4 Soundproofing – The City shall use the development review process and provisions of the Uniform Building Code to ensure adequate levels of soundproofing in all new construction.

12.M.5 Noise Ordinance – The City shall prepare, adopt and enforce a comprehensive noise control ordinance.

12.M.6 Site Planning – The City shall evaluate site orientation and building design to decrease

the potential for noise intrusion, using the noise contour map and compatibility guidelines.

12.M.7 Aircraft Noise – The City shall periodically review and update noise contour measurements as aircraft operations increase or change in nature. Recommendations for noise attenuation contained in the *Watsonville Airport Master Plan* shall be implemented on a project-by-project basis.

The policies for environmental constraint management and public safety serve to implement long-term goals. The association between goals and policies is shown below in the form of a matrix.

Public Safety Goals and Policies

		Policies												
		12A	12B	12C	12D	12E	12F	12G	12H	12I	12J	12K	12L	12M
Goals	12.1	•	•	•	•		•							•
	12.2		•	•										
	12.3				•									
	12.4						•	•	•					
	12.5					•								
	12.6									•	•	•		
	12.7												•	
	12.8													•

APPENDIX A

PLANNING AREA BOUNDARY

The boundary of the Watsonville Planning Area is defined by twelve segments forming a perimeter of 24.5 miles. Figure 1-1 shows these twelve segments. A description of each boundary segment and the characteristics of current land use adjacent to those segments follows. Segments defined by roads include the full width of the right-of-way.

1. Casserly/Carlton Roads

   The northeast boundary runs from the intersection of Green Valley Road and Casserly Road, east approximately 1.5 miles to the intersection with Mount Madonna Road then generally south and east for 4 miles along Casserly and Carlton Roads, to Coward Road. The rural setting has a wide variation in crop types. Greenhouses for flowers and ornamentals are spaced between strawberry fields, apple orchards and pasture. College, Kelly, Drew, and Tynan Lakes are located to the southwest but they are not visible from the roadways. The setting is agricultural but not isolated. Many homes on large suburban lots dot the landscape and the Salsipuedes School forms a prominent landmark on Casserly Road. The entrance to the Santa Cruz County Fairgrounds, a regionally significant recreational and cultural event facility, is located one-half mile southwest of the intersection of Casserly Road, Carlton Road, and East Lake Avenue (Highway 152).

2. Coward Road

   The boundary continues along Coward Road for 1.6 miles from Carlton Road to Riverside Road (Hwy 129).

   Along this segment the character of agriculture changes. Relative to Segment 1, the fields are larger and fewer homes are visible. Production is a mixture of berries, orchards, strawberries, and greenhouse crops.

3. Riverside Road

   From the intersection of Coward Road and Riverside, the boundary traverses west for 1.1 miles to a point directly opposite Lewis Road in Monterey County (Pajaro). The Salsipuedes Creek levee is visible to the right and the Pajaro River levee is visible to the left with row crops flanking both sides of Riverside Road.

4. Lewis Road

   From Riverside Road, the Planning Area boundary continues south along Lewis Road for a distance of 8,000 feet (1.52 miles). This area is dominated by large holdings of row crops. The small community of Pajaro sits astride San Juan and Salinas Roads with the Watsonville Junction (Southern Pacific) railroad switching yards to the south.

5. Pajaro Crossing

   The boundary runs from Lewis Road, west on a line for 2.18 miles to the Highway One/Pajaro River crossing (county boundary). This area is best viewed from Trafton Road. The land here is flat with a mixture of lettuce fields and strawberries. The Watsonville skyline is obscured by the Pajaro River levee and riparian woodlands.

6. Pajaro River

   From the center of the Pajaro River bridge on Highway 1, the boundary follows the river west for 1.4 miles to a point directly opposite the intersection of Beach Road and San Andreas Road. This segment includes the Watsonville wastewater treatment plant which is surrounded by fields of lettuce and other row crops. The intersection of Lee Road and Beach Road is surrounded by a mixture of durable goods and food-processing plants. Widely separated farm houses and agricultural equipment storage buildings dot the landscape. The Santa Cruz Mountains form a scenic backdrop to the east.

7. San Andreas Road

   From the Pajaro River, the boundary continues north for 3.7 miles along San Andreas Road to the intersection with Buena Vista Road. From

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Beach Road to a point one-half mile north along San Andreas Road the terrain is very flat and cultivated with row crops. At this point the Watsonville Slough passes under San Andreas Road and the topography changes abruptly to gently sloping terraces. For the next mile cultivation is exclusively devoted to strawberries. The increasing elevation toward the east blocks any view of Watsonville, about two miles away.

8. Buena Vista Drive

From the intersection of San Andreas Road and Buena Vista Drive, the boundary follows Buena Vista Drive east and north for 2.3 miles to the southwest right-of-way line of Highway 1. The boundary then turns the to northwest and follows along the south right-of-way line of Highway 1 for a distance of 2,200 feet. At this point the boundary turns northeast, crosses Highway 1 perpendicular to the south right-of-way line and connects to the north right-of-way line of Highway 1. At Highway 1 the character of the land changes from agriculture to very steep tree-covered hills. Isolated home sites can be seen but the area is generally undeveloped.

9. Freedom Boulevard

The boundary continues to the north from the north right-of-way line of Highway One for 2.1 miles to the Freedom Boulevard/Corralitos Road intersection. At this point the pine and oak covered hills of the Buena Vista area give way to intensely cultivated farmland. Topography becomes almost level. A mix of row crops gradually gives way to apple orchards.

10. Corralitos Road

From the intersection of Freedom Boulevard and Corralitos Road, the boundary continues north along Corralitos Road for 1,800 feet (.34 miles) to Varni Road. Land along Corralitos Road is dominated by apple orchards. An occasional farm house is visible but the area is sparsely populated.

11. Varni Road

From the Corralitos and Varni Road intersection, the boundary jogs east and north for 4,000 feet (.76 miles) to the Amesti/Pioneer Road intersection. Elevation increases steadily along Varni Road until at the intersection of Varni and Amesti Roads, the village of Amesti appears. This concentration of older homes on small lots supports an estimated population of 500. At Amesti Road, Varni Road becomes Pioneers Road.

12. Pioneers Road

The final segment of the Planning Area boundary extends from the Amesti/Pioneer Road intersection, east for 1.7 miles, to the Green Valley/ Casserly intersection. The rolling hills along Pioneers Road are grass covered and used for cattle and horse grazing. At Green Valley Road the land use changes from agriculture to a mix of single-family homes and open fields. Homes along Green Valley Road are generally modest, located on lots ranging from 6,000 to 7,000 square feet. Along Paulson Road for about one-half mile the landscape once again becomes rural. Looking south toward College Lake/ Holohan Road the topographic depression that forms the College Lake basin is evident. Once across the Green Valley/ Holohan/Airport intersection the character of land use changes abruptly from a mix of suburban residential and agricultural uses to predominantly urban uses.

APPENDIX B

AGRICULTURAL LAND CLASSIFICATIONS [1]

Prime land typically produces the most abundant and successful crops, with a minimum of soil treatment and expense. Factors that affect productivity include physical and chemical properties of soils, water supply, climate, and local economic factors. Typically "prime" land has been defined as: land which qualifies for rating as Class I or Class II in the United States Soil Conservation Service (SCS) land use capability classifications; land which qualifies for rating 60-100 in the SCS Storie Index Rating; or agricultural preserves protected under Williamson Act contracts. In addition, Santa Cruz County LAFCO also considers prime lands to be lands which are mapped on the Agricultural Resources Map of the County of Santa Cruz as Commercial Agricultural Land. Further descriptions of these classification systems are provided below. Figure 9-1: Important Agricultural Lands within the Urban Limit Line, in the Environmental Resource Management chapter of *Watsonville 2005* shows the locations of land designated under each of these three classification systems.

Soil Conservation Service Agricultural Classifications: The Soil Conservation Service (SCS) classifies the agricultural suitability of soils by both the land Capability Classification and Storie Index. The capability classification groups soils in a general way to show their suitability for most kinds of farming, based on soil and climatic characteristics, such as soil depth, texture, and permeability; drainage; water holding capacity; soil chemistry such as salinity and alkali levels; erosion and flood hazards; slope; and climatic indicators. This land capability classification ranges from soils with few limitations (I) to soils unsuitable for agriculture (VIII). Soils classified as I or II are the most suitable for agriculture, with soils III and higher having severe to very severe limitations. Soils rated as Class I and II by the Soil Conservation Service generally are considered prime agricultural lands.

The Storie Index is another classification system of the Soil Conservation Service used to rank the agricultural capability of soils. The Index numerically expresses the relative degree of suitability of a soil for general intensive agriculture based on a variety of soil characteristics, including depth, surface layer texture, subsoil characteristics, drainages, and alkali/salt content. The Storie Index grades soils on profile, texture, slope, and other conditions and assigns a grade from 1 to 6. Soils of grades 1 (Storie Index 80-100) and 2 (Storie Index 60-79) are most suitable for agriculture. Grades 5 and 6 soils (Storie Index 0-19) are generally not suitable for cultivation. Storie Index ratings of 80 to 100 (Grade 1) indicate the highest quality soils for agricultural uses and are usually considered prime soils.

Seventeen SCS soil types are found in the study area.[2] Three of these soil types are Class I and have high Storie Index ranking: Conjo, Elder, and Soquel soils. Conjo loam is a deep, well-drained soil with a Storie Index rating of 95. Elder sandy loam is an alluvial soil with a Storie Index ranking of 90. Soquel loam also is a deep alluvial soil with a Storie Index of 90. All soils are consistently highly productive for agriculture if properly managed. In areas with large parcels, these soils are intensively cultivated with chief crops being apples, lettuce, strawberries and bushberries. Within the study area, these soil types are found along Freedom Boulevard, within the East Lake and the Corralitos Creek areas, and along Riverside Drive.

Pinto loam and Watsonville loams are predominant soils found throughout the remainder of the study area and are formed on high terrace areas. Pinto soils are Class II and III with a Storie rating of 68,

1 This classification system description is excerpted from the Revised Administrative Draft, Sphere of Influence Feasibility Study, prepared for the City of Watsonville, January 1992, by Stephanie Strelow, Environmental Assessment and Planning, Santa Cruz, California.

2 The study area refers to the lands analyzed as part of the Revised Administrative Draft, Sphere of Influence Feasibility Study, January 1992, by Stephanie Strelow, Environmental Assessment and Planning, Santa Cruz, California and as shown in Figure 4-7 of the Land Use and Community Development chapter of *Watsonville 2005*.

while Watsonville soils are Class IV with Storie ratings of 36 and 50. These soils generally have subsurface impermeable layers which inhibit rooting depths and [result in] poor drainage and ponding conditions. Productivity for apples and row crops is generally lower on these soils than on other alluvial soils in the Pajaro Valley, but they are commonly used for orchards and row crops, as well as irrigated pasture (SCS 1979).

Agricultural Preserves-Williamson Act Contracts: Agricultural preserves are areas devoted to agriculture, recreation, or open space uses or a combination of these uses which are under contract with the County for special tax provisions in return for continued use as such, pursuant to provisions of the California Land Conservation Act (Williamson Act). Land under contract is classified as prime or nonprime/openspace. Prime land is defined as Class I or II in the Soil Conservation Service's Land Capability system, a Storie Index rating of 80-100, or any one of the three economic productivity requirements that generally equates with a gross production value of $200+ per acre. These "Williamson Act" contracts are established in Santa Cruz County for a minimum of ten years. Once a notice of non-renewal is made by the property owner, the contract terminates in ten years. There is one existing Williamson Act agricultural preserve in the study area, on Calabasas Road.

Santa Cruz County Policies: Of the study area lands that are in agricultural production, the majority are designated for Agriculture in the County's General Plan. However, there are about 115 acres, located north and south of Buena Vista Drive and off of Atkinson Lane, that are within the County's Urban Service Line and have an Urban Reserve Overlay designation. This designation indicates potential suitability for urban development at some point in the future if commercial agriculture is no longer viable.

The Santa Cruz County General Plan establishes agricultural policies and resource designations to preserve and protect for exclusive agricultural use those lands best suited to the commercial production of food, fibre, and ornamental crops and to prevent the conversion of commercial agricultural land to non-agricultural uses. Under County designations commercial agricultural lands are classified as Type 1, Type 2, or Type 3 agricultural lands on County Resource Maps and are zoned "Commercial Agriculture" (CA). Any lands zoned "CA" would be considered prime agricultural lands under Santa Cruz LAFCO policies. Type 1 lands are prime agricultural lands with little or no constraints. Type 2 lands also are considered prime agricultural lands although certain limiting factors may affect continued productivity, such as parcel size, topography, or geographic location. Type 3 lands are prime agricultural lands located within the County's coastal zone. A table in the Stewlow report, *op. cit.*, provides further definitions of these agricultural resource classifications. Non-commercial agricultural lands are zoned "A" in the County and are not ranked according to the system in the table.

County agricultural resource classifications are mixed throughout the study area. Type 1 lands are found along Freedom Boulevard and in the Corralitos Creek, East Lake, Beach Road and Riverside Drive areas. Two parcels in the Buena Vista Drive area are designated Type 2, but are also located within the County's Urban Service Line. Agricultural lands within the East Lake, Corralitos Creek and Riverside/Lee Road/Beach Road areas are zoned "CA". However, the majority of the agriculturally designated lands in the Buena Vista Drive area are zoned "A", a non-commercial agricultural zone district.

APPENDIX C

SPECIAL STATUS SPECIES DESCRIPTIONS*

PLANTS

Gairdners yampah. This plant species occurs on Watsonville loam soils in grasslands and coastal prairie communities, and blooms between June and August.

Santa Cruz Tarplant. Santa Cruz tarplants are an annual herbaceous plant and a member of the composite family. The tarplant is native to the central coast of California including the counties of Contra Costa, Monterey, and Santa Cruz (Havlik 1986, California Department of Fish and Game 1987).

Santa Cruz tarplants grow in sandy clay soil and are usually found in fields, pastures, or grasslands on level ground or on gentle slopes (California Department of Fish and Game 1987). Fewer than 40 occurrences of this tarplant are known, about half of them being noted in Santa Cruz County. The tarplant has declined throughout its range (California Department of Fish and Game 1987). Several known populations occur in the Watsonville area (NDDB 1988). The Santa Cruz tarplant flowers from late June through October.

WILDLIFE

California Tiger Salamander. Adult tiger salamanders occur in grasslands and open woodlands of foothills and valleys. The salamander breeds in reservoirs, ponds, large temporary rain pools, lakes, and slow-moving streams (Stebbins 1972).

The California tiger salamander is expected to be listed as state threatened or endangered within the next two years (Brode personal communication).

Santa Cruz Long-Toed Salamander. The Santa Cruz long-toed salamander (SCLTS) is a relict form of subspecies which is now restricted to the Santa Cruz area. This Salamander has adapted to conditions very different from those which the species is adapted to in the rest of the range (Santa Cruz Long-toed Salamander Recovery Team 1976).

Adult long-toed Salamanders spend the nonbreeding phase of their life cycle in small animal burrows or under fallen logs in woodland or chaparral habitats (Reed 1978, Santa Cruz Long-toed Salamander Recovery Team 1976). After the first fall rains (September and October), adult salamanders begin their annual migration to a suitable breeding pond. Salamanders migrate only on rainy, misty, or extremely foggy nights (Santa Cruz Long-toed Salamander Recovery Team 1976).

The Salamanders arrive at their breeding ponds from November through February, with most arriving in January and February. The peak breeding time is during January and February because the earlier rains usually do not fill ponds. Females lay and attach their eggs on submerged stalks of aquatic vegetation in ponds (Santa Cruz Long-toed Salamander Recovery Team 1976). After breeding, the adults leave the ponds and return to their upland habitat (Reed 1978, Santa Cruz Long-toed Salamander Recovery Team 1976).

As the ponds begin to dry in summer, the juvenile salamanders seek underground refuge near the pond. During the rainy season the juveniles disperse to an area farther from the pond (Santa Cruz Long toed Salamander Recovery Team 1976).

Suitable breeding habitat includes relatively shallow, ephemeral ponds with adequate submerged and emergent vegetation as substrate for breeding, egg-laying, and nursery purposes. This vegetation provides food for larvae and young salamanders as well.

The salamander requires dense vegetative cover adjacent to or within easy migrating from the breeding pond. The SCLTS can migrate up to a mile (Santa Cruz Long-toed Salamander Recovery Team 1976) and possibly up to 2 miles from a breeding pond (Sorenson personal communication).

Western Pond Turtle. The only native turtle on the central coast, pond turtles are almost always found in or near ponds, rivers, marshes, streams and ditches. Western pond turtles can grow to 7.5 inches in length and are gray, brown or olive in color, usually with a network of dark spots or lines on each shell plate.

Red-Legged Frog. Red-legged frogs occur in ponds, reservoirs, marshes, and well-shaded streams (Stebbins 1959). These frogs breed from January through March (Stebbins 1959).

Black-Crowned Night Heron. An uncommon visitor in Santa Cruz County from August through May. Historically, Black-crowned night herons were residents and rookeries existed at Pinto Lake and Santa Cruz and possibly along Soquel Creek and the Pajaro River.

Black-Shouldered Kite. Black shouldered kite birds are common in grasslands, pastures, and marshes of coastal valleys. Kites nest in groves of oaks, willows, cottonwoods, sycamores, and in other trees and large shrubs.

Burrowing Owl. Widespread cultivation has reduced the amount of suitable habitat for the burrowing owl in the region (Roberson 1985). The burrowing owl occurs in a variety of habitats including grasslands and agricultural lands (Zarn 1974). Burrowing owls nest in burrows excavated by rodents, particularly ground squirrels.

California Horned Lark. A uncommon transient and winter visitor that may also be a rare resident. Nest sites may exist in the southeast part of Santa Cruz County. Horned larks are ground dwelling birds, rarely found away from fields or dunes.

Ferruginous Hawk. Largest of the native buteos, Ferruginous hawks are rare transients and visitors from September to April. Not known to nest in Santa Cruz County.

Golden Eagle. A rare resident of Santa Cruz County, most commonly seen in the Watsonville-Corralitos area. The largest bird of prey in the county, Golden eagles were once more common, but there are now probably only one or two active nest sites. Nests are found in tall trees or along cliffs.

Loggerhead Shrike. A striking gray, white and black heavy bodied bird, Loggerhead shrikes are very rare residents of Santa Cruz County. A few possible nesting sites are found in the southeast part of the county.

Merlin. Formerly known as the Pigeon hawk, this small falcon is a rare transient and visitor from September to April. It is not known to nest in Santa Cruz County.

Northern Harrier. Northern Harrier birds are widespread and abundant during winter and less common during summer in coastal valleys (McCaskie et al. 1979). Harriers require dense, wet meadows and tall grasslands for nesting on flat and gently sloping terrain. They use open fields and agricultural areas for foraging (Call 1978).

Peregrine Falcon. A medium-sized falcon, Peregrine falcons are rare migratory transients from September to April. In Santa Cruz County, Peregrine falcons stay near the coast, where they find abundant prey (birds) along the coast and in estuaries and lagoons. Although Peregrine falcon nest sites were recorded near Davenport and Wilder Ranch as late as 1947, there are no recent nesting records for the county.

Short-Eared Owl. Short-eared owls are not a regular breeding species in coastal valleys (McCaskie et al. 1979) and none is known to be breeding in Santa Cruz County (Suddjian personal communication). A few occasionally migrate through the county (Suddjian personal communication).

Tricolored Blackbird. Tricolored blackbirds nest in dense wetland vegetation and forage in grasslands and agricultural fields (Grinnell and Miller 1944).

Yellow Warbler. Summer resident and breeder from April to October, Yellow warblers are dependant on riparian vegetation.

Steelhead. An anadromous form of Rainbow trout, Steelhead are found in most large drainages throughout the county, albeit in much reduced numbers from pervious years.

*The following Special Status Species descriptions were excerpted from the Draft Subsequent Environmental Impact Report for the Franich Annexation, City of Watsonville, California, dated September 7, 1989, prepared by Jones and Stokes, Sacramento, California: Santa Cruz Tarplant, California Tiger Salamander, Santa Cruz long-toed salamander, Red legged frog, Black-Shouldered Kite, Burrowing Owl, Northern Harrier, Short-Eared Owl, and Tricolored Blackbird. Descriptions of the other species are from the Santa Cruz County Planning Department, 1994.

Chapter 8
NOISE*

Sections:

5-8.01 Offensive noise prohibited.
5-8.02 Offensive noise standards.
5-8.03 Violations: Subsequent offenses within 48 hours.
5-8.04 Exceptions.

* Chapter 8 entitled “Community Antenna Television Systems”, consisting of Sections 5-8.01 through 5-8.21, codified from Ordinance No. 48 C-M, repealed by Ordinance No. 605-83 C-M, effective October 13, 1983.

5-8.01 Offensive noise prohibited.

It shall be unlawful for any person on residential property or a public way to make or continue, or cause to be made or continued, any offensive, excessive, unnecessary, or unusually loud noise or any noise which either annoys, disturbs, injures, or endangers the comfort, repose, health, peace, or safety of others on residential property or public ways within the City.

(§ 1, Ord. 776-88 C-M, eff. May 12, 1988)

5-8.02 Offensive noise standards.

The following acts, among others, are declared to be offensive, loud, disturbing, and unnecessary noises originating from residential properties or on public ways in violation of this chapter, but such enumeration shall not be deemed to be exclusive:

(a) The using, operating, or permitting to be played, used, or operated of any radio receiving set, musical instrument, phonograph, stereo, television, or other machine or device for producing or reproducing sound in such a manner as to disturb the peace, quiet, and comfort of neighboring residential inhabitants at any time with volume louder than is necessary for convenient hearing for the persons who are in the room, vehicle, or chamber in which such machine or device is operating and who are voluntary listeners thereto. The operation of any such set, instrument, phonograph, stereo, machine, or device between the hours of 10:00 p.m. and 7:00 a.m. in such a manner as to be plainly audible at a distance of fifty (50') feet from the residential building, structure, or vehicle in which it is located shall be prima facie evidence of a violation of this chapter;

(b) The using, operating, or permitting to be played, used, or operated of any radio receiving set, stereo, tape recorder, sound amplifier, or other machine or device for producing or reproducing sound from any motor vehicle on any public street at any time with volume louder than is necessary for convenient hearing for the persons who

are in the motor vehicle in which such sound machine or device is operating and who are voluntary listeners thereto. The operation of any such sound machine or device in such a manner as to be plainly audible at any time at a distance of ten (10') feet from the motor vehicle in which it is located shall be prima facie evidence of a violation of this chapter; and

(c) Yelling, shouting, hooting, whistling, or singing originating from any residential property or upon any public way at any time so as to annoy or disturb the quiet comfort or repose of persons in the vicinity.

(§ 1, Ord. 776-88 C-M, eff. May 12, 1988)

5-8.03 Violations: Subsequent offenses within 48 hours.

Any person who shall violate, or refuse to abide by, any provision of this chapter shall be subject to the penalties set forth in Chapter 2 of Title 1 of this Code; provided, further, any person who violates any section of this chapter and is cited for such violation and who, within forty-eight (48) hours after receiving such a citation, again violates the same section shall be guilty of a misdemeanor. A person is cited for a violation when such person is issued and signs an infraction or misdemeanor citation, or when such person is arrested and booked, or when a complaint is filed, and the person is notified of the filing of such complaint.

(§ 1, Ord. 776-88 C-M, eff. May 12, 1988)

5-8.04 Exceptions.

The provisions of this chapter shall not apply to any noise which is subject to the regulations concerning noise set forth in Title 14 of this Code or for which a permit has been issued pursuant to Chapter 34 of this title.

(§ I, Ord. 776-88 C-M, eff. May 12, 1988)

Mobile Version

Chapter 8.30
NOISE

Sections:

8.30.010 Offensive noise.
8.30.020 Subsequent offense within 48 hours.
8.30.030 Exceptions.

8.30.010 Offensive noise.

(A) No person shall make, cause, suffer, or permit to be made any offensive **noise**.

(B) "Offensive **noise**" means any **noise** which is loud, boisterous, irritating, penetrating, or unusual, or that is unreasonably distracting in any other manner such that it is likely to disturb people of ordinary sensitivities in the vicinity of such **noise**, and includes, but is not limited to, **noise** made by an individual alone or by a group of people engaged in any business, activity, meeting, gathering, game, dance, or amusement, or by any appliance, contrivance, device, tool, structure, construction, vehicle, ride, machine, implement, or instrument.

(C) The following factors shall be considered when determining whether a violation of the provisions of this section exists:

(1) Loudness (Intensity) of the Sound.

(a) Day and Evening Hours. For purposes of this factor, a **noise** shall be automatically considered offensive if it occurs between the hours of 8:00 a.m. and 10:00 p.m. and it is:

(i) Clearly discernible at a distance of 150 feet from the property line of the property from which it is broadcast; or

(ii) In excess of 75 decibels at the edge of the property line of the property from which the sound is broadcast, as registered on a sound measuring instrument meeting the American National Standard Institute's Standard S1.4-1971 (or more recent revision thereof) for Type 1 or Type 2 sound level meters, or an instrument which provides equivalent data.

A **noise** not reaching this intensity of volume may still be found to be offensive depending on consideration of the other factors outlined below.

(b) Night Hours. For purposes of this factor, a **noise** shall be automatically considered offensive if it occurs between the hours of 10:00 p.m. and 8:00 a.m. and it is:

(i) Made within 100 feet of any building or place regularly used for sleeping purposes; or

(ii) Clearly discernible at a distance of 100 feet from the property line of the property from which it is broadcast; or

(iii) In excess of 60 decibels at the edge of the property line of the property from which the

sound is broadcast, as registered on a sound measuring instrument meeting the American National Standard Institute's Standard S1.4-1971 (or more recent revision thereof) for Type 1 or Type 2 sound level meters, or an instrument which provides equivalent data.

A **noise** not reaching this intensity of volume may still be found to be offensive depending on consideration of the other factors outlined below.

(2) Pitch (frequency) of the sound, e.g., very low bass or high screech;

(3) Duration of the sound;

(4) Time of day or night;

(5) Necessity of the **noise**, e.g., garbage collecting, street repair, permitted construction activities;

(6) The level of customary background **noise**, e.g., residential neighborhood, commercial zoning district, etc.; and

(7) The proximity to any building regularly used for sleeping purposes.

(D) Prior to issuing a citation for this section, the responsible person or persons will be warned by a law enforcement officer or other designated official that the **noise** at issue is offensive and constitutes a violation of this chapter. A citation may be issued if, after receiving the warning, the responsible person(s) continues to make or resumes making the same or similar offensive **noise**(s) within three months of the warning. Notwithstanding the provisions of subsection (C)(1) of this section, enforcement of violations under this chapter shall not require the use of a sound level meter.

(1) For purposes of this section "responsible person or persons" means a person or persons with a right of possession in the property from which the offensive **noise** is emanating, including, but not limited to, an owner or a tenant of the property if the offensive **noise** is coming from private property, or a permittee if the offensive **noise** is coming from a permitted gathering on public property, or any person accepting responsibility for such offensive **noise**. "Responsible person or persons" shall additionally include the landlord of another responsible party and the parents and/or legal guardians of a responsible person under the age of 18 years. [Ord. 5255 § 1, 2017; Ord. 5205 § 1, 2015; Ord. 4001 § 1, 1989].

8.30.020 Subsequent offense within 48 hours.

Any person who violates any section of this chapter and is cited for such a violation, and who within 48 hours after receiving such a citation again violates the same section, is guilty of a misdemeanor. A person is cited for a violation when he or she is issued and signs an infraction or misdemeanor citation, or when he or she is arrested and booked, or when a complaint is filed and the person is notified of the filing of such a complaint. [Ord. 4001 § 1, 1989].

8.30.030 Exceptions.

(A) The provisions of this chapter shall not apply to any **noise** from any specific type of activity for which special **noise** regulations are provided by any other provision of the County Code.

(B) The provisions of this chapter shall not apply to any **noise** caused by farming operations carried out on any land designated within the Santa Cruz County General Plan for commercial agricultural use. [Ord. 4001 § 1, 1989].

Figure 13.19

Watsonville Airport Noise Contours

City of Watsonville

Prepared by Watsonville GIS Center 04/10/2012 (CODD03105).

This Document is a graphic representation using the best currently available sources. The City of Watsonville assumes no responsibility for any errors.

Legend

- Street
- Highway
- Stream
- Urban Limit Line West
- 20 yr. Urban Limit Line
- 25 yr. Urban Limit Line
- Runway
- Future Runway Extention

Noise Contours 2020

CNEL VALUE

- 70 dB
- 65 dB
- 60 dB
- 55 dB
- Lakes
- Watsonville City Limit

N W E S

1 inch = 1,850 feet

500 0 500 1000 1500 2000

Feet



AMESTI RD
LARKIN VALLEY RD
BUENA VISTA DR
to SANTA CRUZ
to GILROY
152
HOLOHAN RD
GREEN VALLEY RD
FREEDOM BL
LOMA PRIETA AV
AIRPORT BL
SOUTH GREEN VALLEY RD
BUENA VISTA DR
HARKINS SLOUGH RD
LEE RD
MAIN ST
WALKER ST
EAST LAKE AV
EAST BEACH ST
WEST LAKE AV
WEST BEACH ST
WEST RIVERSIDE DR
RIVERSIDE DR
129

CONSTRUCTION DATA

Bldg
Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-02

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Building Construction	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	450.0	0.0
Man Lift	No	20		74.7	450.0	0.0
Man Lift	No	20		74.7	450.0	0.0
Generator	No	50		80.6	450.0	0.0
Tractor	No	40	84.0		450.0	0.0
Welder / Torch	No	40		74.0	450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Crane	61.5	53.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	61.5	58.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

					Bldg					
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Tractor			64.9	60.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Welder / Torch			54.9	50.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
	Total		64.9	63.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

Demo

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-02

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Demolition	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	450.0	0.0
Dozer	No	40		81.7	450.0	0.0
Tractor	No	40	84.0		450.0	0.0
Front End Loader	No	40		79.1	450.0	0.0
Backhoe	No	40		77.6	450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Concrete Saw	70.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.0	56.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Demo														
Backhoe	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.5	66.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Grading
Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-02

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Grading	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85.0		450.0	0.0
Dozer	No	40		81.7	450.0	0.0
Tractor	No	40	84.0		450.0	0.0
Front End Loader	No	40		79.1	450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Grader	65.9	61.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.0	56.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.9	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Grading

N/A	N/A	N/A	N/A	N/A	N/A	N/A

Painting
Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-01.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Painting	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Compressor (air)	58.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	58.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

paving
Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-02

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Paving	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drum Mixer	No	50		80.0	450.0	0.0
Paver	No	50		77.2	450.0	0.0
Pavement Scarafier	No	20		89.5	450.0	0.0
Roller	No	20		80.0	450.0	0.0
Roller	No	20		80.0	450.0	0.0
Tractor	No	40	84.0		450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Drum Mixer	60.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	58.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.4	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				paving						
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Roller			60.9	53.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Tractor			64.9	60.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
	Total		70.4	66.9	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

site prep

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 09/12/2019
Case Description: WATS-01.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Site Prep	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85.0		450.0	0.0
Scraper	No	40		83.6	450.0	0.0
Tractor	No	40	84.0		450.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Grader	65.9	61.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.9	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attenuation Calculation				
	Ramsay Park and Valley Inn		Residences	
Phase	**dBA**	**distance (ft)**	**dBA**	**distance (ft)**
Demolition	66.9	450	61.9	800
Site Prep	65.9		60.9	
Grading	65.9		60.9	
Building Construction	63.9		58.9	
Paving	66.9		61.9	
Painting	54.6		49.6	

APPENDIX G

TRANSPORTATION IMPACT ANALYSIS

TRAFFIC IMPACT ANALYSIS

FOR

BTS – MAIN STREET AND AUTO CENTER DRIVE RETAIL CENTER
975 Main Street
Watsonville, CA

Prepared For:

975 MAIN STREET ASSOCIATES, LLC.
400 Beach Street
Santa Cruz, CA 95060

Prepared By:

KDAnderson & Associates, Inc.
3853 Taylor Road, Suite G
Loomis, California 95650
(916) 660-1555



August 20, 2019

0061-01

0 BPS 975 Main St TIA.rpt

BTS – MAIN STREET AND AUTO CENTER DRIVE RETAIL CENTER
975 Main Street
Watsonville CA

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TRAFFIC IMPACT ANALYSIS FOR
BTS – MAIN STREET AND AUTO CENTER DRIVE RETAIL CENTER
975 Main Street
Watsonville CA

EXECUTIVE SUMMARY

- **Project Description.** The BTS Main Street project will consist of three buildings at an existing commercial parcel located at 975 Main Street. The project will replace a series of commercial businesses located on the site. The BTS Main Street project will consist of three buildings as follows:

  Building 1 – 2,800 square feet fast food restaurant with drive-through

  Building 2 – 7,300 square feet fast casual restaurants
  2,300 square feet retail uses

  Building 3 – 2,200 square feet coffee shop with drive-through
  1,400 square feet fast casual restaurants
  4,000 square feet retail uses

  The site is located in the south quadrant of the Main Street (State Route 152) / Auto Center Drive intersection. Primary access to the site will be from the existing driveway which is the fourth leg of the Main Street / Auto Center Drive intersection. Under plus project conditions the Auto Center Drive approach will be restriped to include a left turn lane and a through-right lane while the driveway approach will include a left turn lane and a through-right lane. The signal will also be modified to 8-phases and include protected left turns on all approaches. A second access is proposed about 250 feet west of the Auto Center Drive intersection. This driveway would replace an existing driveway and will provide right-in, right-out access.

  The project will generate 6,103 daily trips, 332 trips during the a.m. peak hour, 371 trips during the p.m. peak hour and 773 trips during the noon peak hour. After discounting pass-by trips and internally captured trips the project will generate 2,986 new daily trips, 164 new a.m. peak hour trips, 186 new p.m. peak hour trips and 373 new noon peak hour trips.

- **Existing Setting.** The study addresses traffic conditions at eight (8) existing intersections on Main Street (SR 152). New a.m. and p.m. traffic counts were completed during the week of January 21, 2019 while local schools were in session. Additional noon-time counts were counted during the week of February 18 while school was in session. Intersection Level of Service calculations were made using *Synchro-SimTraffic* software.

Intersections

All intersections, except the Main Street / Green Valley Drive intersection and the Main Street / Ohlone Parkway – Clifford Drive intersection operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection operates at LOS D with delays of 39.0 spv in the a.m. peak hour and 50.4 spv in the p.m. peak hour. The Main Street / Ohlone Parkway – Clifford Drive intersection operates at LOS D with delays of 36.0 spv in the a.m. peak hour, 54.1 spv in the p.m. peak hour and 35.9 spv in the noon peak hour.

- **Existing Plus Project Impacts.** The operation of the proposed project will increase the volume of traffic on the study area circulation system.

Intersections

All intersections, except the Main Street / Green Valley Drive intersection and the Main Street / Ohlone Parkway – Clifford Drive intersection operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection will operate at LOS D (38.8 spv) in the a.m. peak hour and LOS E (52.8 spv) in the p.m. peak hour. The a.m. condition is within 0.1 seconds of the pre-project condition and is not considered a significant impact. The Main Street / Ohlone Parkway – Clifford Drive intersection will operate at LOS D (39.1 spv) in the a.m. peak hour and LOS E (55.0 spv) in the p.m. peak hour. These exceed the 0.1 spv threshold for intersections currently operating below the minimum and are considered significant impacts. The following mitigations are noted:

- The project shall contribute its fair share to the cost of regional circulation improvements via the existing Citywide traffic impact mitigation (TIM) fee program.

- The signal system along Main Street should be retimed to reach acceptable levels of service. The following changes should be considered:

    - During the a.m. peak hour, the signal system along Main Street should be modified to a 110 second cycle between Green Valley Road and Ohlone Parkway – Clifford Drive with a half cycle at the Watsonville Square intersection. The segment from Pennsylvania Drive to Freedom Blvd should be modified to a 116 second cycle with a half cycle at Rodriguez Street.

    - During the p.m. peak hour, the signal system along Main Street should be modified from the current 135 second cycle between Green Valley Road and Ohlone Parkway – Clifford Drive and 120 second cycle from Pennsylvania Drive to Freedom Blvd. The proposed signal cycle length would be 116 seconds for the entire network.

    - An eastbound to southbound right turn overlap should be installed at the Main Street / Ohlone Parkway – Clifford Drive intersection. This is consistent with the Sunshine Vista Phased Development Project FEIR, May 2018.

With implementation of these new timing plans all intersections will operate better or within 0.1 seconds of delay of the pre-project conditions as identified below:

- Main Street / Green Valley Drive: This intersection will operate with delays of 33.7 spv in the a.m. peak hour and 46.8 spv in the p.m. peak hour. These delays are within the LOS threshold mitigation parameters of the pre-project conditions.

- Main Street / Ohlone Parkway – Clifford Drive: This intersection will operate with delays of 35.7 spv in the a.m. peak hour and 46.8 spv in the p.m. peak hour. These delays are within the LOS threshold mitigation parameters of the pre-project conditions.

- The project should construct the following improvements at the Main Street / Auto Center Drive / Project intersection:

    - Modify the traffic signal to include projected left turn movements along Auto Center Drive and the project access. This was previously noted as part of the project.

    - Modify the southbound Auto Center Drive striping to include a left turn lane and a through-right lane. This was previously noted as part of the project.

  These modifications will require Caltrans review and approval.

- **Year 2040 Background Conditions.** Year 2040 traffic forecasts were based on the most recent AMBAG regional travel demand model. The daily traffic volumes from the travel model were used to generate growth factors. Intersection turning movements were developed using methods described in the Transportation Research Board's (TRB's) National Cooperative Highway Research Program (NCHRP) Report 255, *Highway Traffic Data for Urbanized Area Project Planning and Design*. Roadways in 2035 are generally projected to remain with their current lane configurations with the following changes to the roadway network:

  The roadways studied for this project are generally projected to remain with their current lane configurations in 2040 with the possible following changes to the roadway network:

    - The 2040 Santa Cruz County Regional Transportation Plan (SCCRTP) and 2017 SR 152 Transportation Concept Report (TCR) identifies installation of a roundabout at the Main Street (SR 152) / Freedom Blvd intersection. The SCCRTP identifies this project as a constrained project, one that could be funded over the next 22 years with reasonably foreseeable transportation revenues. Since the document notes it *could* be funded the intersection was analyzed under both signalized and roundabout conditions.

    - The signal timing was optimized in Synchro / SimTraffic as traffic patterns and volumes may change by 2040 and current timing patterns may not be optimized. The

timing pattern in the a.m. was optimized to a 120 second cycle with the p.m. optimized to 116 seconds between Green Valley Road and Ohlone Parkway – Clifford Drive, and 106 seconds between Pennsylvania Drive and Freedom Blvd. The noon peak hour operates free, without coordination.

Intersections

All intersections except the Main Street / Green Valley Road intersection will operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Road intersection will operate at Level of Service D in the a.m. peak hour (36.4 spv) and p.m. peak hour (44.6 spv).

- **2040 Plus Project Conditions.** The trips generated by the proposed project were superimposed onto the Year 2040 background conditions and resulting peak hour Levels of Service were calculated.

  Intersections

  Under 2040 plus Project conditions, all intersections except the Main Street / Green Valley Road intersection will operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection will operate at LOS D (35.5 spv) in the a.m. peak hour and LOS D (46.0 spv) in the p.m. peak hour. The a.m. scenario is within 0.1 seconds of the pre-project condition and is not considered a significant impact while the p.m. peak hour exceeds the 0.1 spv threshold and is considered a significant impact. The following geometry changes should be considered:

  Main Street / Green Valley Drive

  - northbound approach
  - two left turn lanes
  - one through lane
  - one right turn lane

  - southbound approach
  - one left turn lane
  - one through lane
  - one right turn lane

  Additionally, the signal phasing should be modified from split phase to protected left turns along Green Valley Road. The intersection is part of a coordinated system along Main Street and the corridor should be retimed to a 110 second cycle as a result of the geometry modifications. The intersection will improve to LOS D with a delay of 43.6 spv.

Queues

Under 2040 plus Project conditions five movements have queues that will exceed the available storage. These include:

Main Street / Green Valley Drive
- NB left
- EB left

Main Street / Ohlone Parkway – Clifford Drive
- NB through-left

Main Street / Rodriguez Street
- NB left

Main Street / Freedom Blvd
- NB left

Three of the movements, northbound left at the Main Street / Green Valley Drive intersection, northbound left at the Main Street / Ohlone Parkway – Clifford Drive intersection and northbound left at the Main Street / Rodriguez Street intersection will not exceed the Cumulative No Project queues. These are not considered significant impacts.

The eastbound left turn lane queue at the Main Street / Green Valley Drive intersection will exceed the available left turn storage under Cumulative and Cumulative No Project conditions during the p.m. peak hour. The project should contribute its fair share to lengthen this turn pocket. The Caltrans fair share methodology was used to develop a fair share percentage contribution. The fair share percentage is the project trips divided by the difference in Cumulative plus Project volumes less Existing volumes. Calculation of the fair share percentage in this time period was not feasible as the traffic in the intersection is projected to decline based on AMBAG traffic projections. An alternative was considered that utilized the three peak periods studied. However, the overall traffic for the three peak hour periods again shows an overall decline in traffic between existing and cumulative plus project periods, making a fair share calculation infeasible.

The northbound left turn lane queue at the Main Street / Freedom Blvd intersection will exceed the available left turn storage under Cumulative and Cumulative No Project conditions during the p.m. peak hour. However, as previously discussed, the SCCRTP and SR 152 TCR identify this intersection to be modified to a roundabout. Under roundabout conditions, the northbound queue along Main Street will be 300' under LOS B conditions. SCCRTP identifies the roundabout project *could* be funded. Assuming the intersection remains signalized, and using the fair share methodology, the project would be responsible for 19.2% of the cost to lengthen the left turn storage lane.

TRAFFIC IMPACT ANALYSIS FOR
BTS – MAIN STREET AND AUTO CENTER DRIVE RETAIL CENTER
975 Main Street
Watsonville CA

INTRODUCTION

Study Purpose and Objectives

This study evaluates the traffic impacts associated with the construction of 975 Main Street in Watsonville. The proposed project, referred to as BTS Main Street, will replace a series of commercial businesses located on the site. The BTS Main Street project will consist of three buildings. Building 1 will be a 2,800 square foot quick service restaurant (QSR) with drive-through lane. Building 2 will be 9,600 square feet and consist of a 2,400 square foot fast casual restaurant, 5,700 square feet of retail space, and a 1,500 square foot juice shop. Building 3 will consist of a 2,800 square foot coffee shop with a drive-through lane and 4,800 square feet of retail space. The project is located in the south quadrant of the Main Street (State Route 152) / Auto Center Drive intersection.

The scope of this traffic analysis has been identified through consultation with City of Watsonville staff. This study addresses the following scenarios:

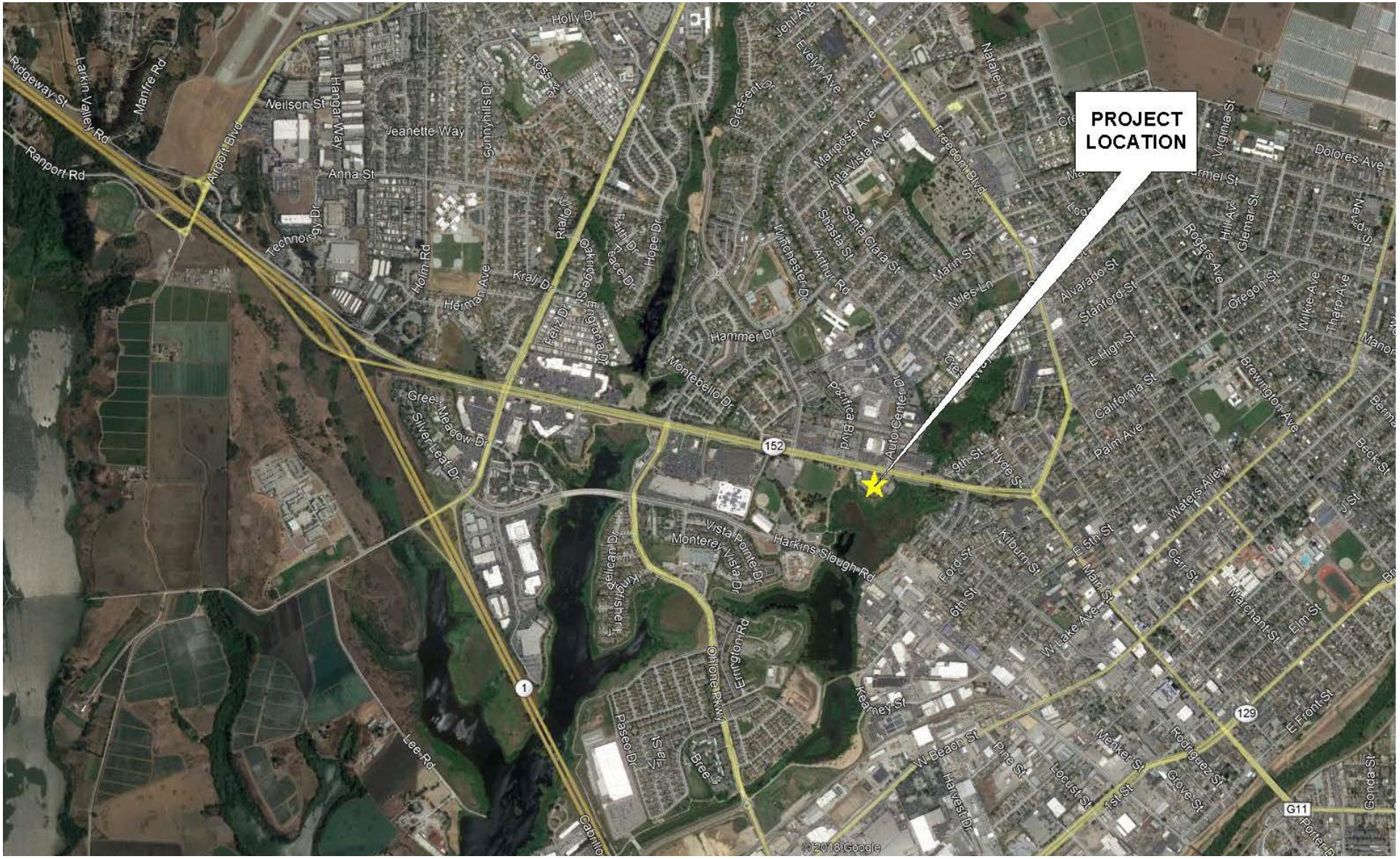
1. Existing Traffic Conditions
2. Existing Plus Project Conditions
3. 2040 Traffic Conditions
4. 2040 Plus Project Conditions

The objective of this study is to identify those street intersections that may be impacted by development of this project based on City of Watsonville significance criteria and to suggest strategies for mitigating impacts of this project.

Project Description

The proposed project includes three buildings on the site. Building 1 will include a 2,800 square foot fast food restaurant with drive-through lane. The QSR is currently projected to be a Chipotle restaurant which is considered a "fast-casual" restaurant use. Chipotle has begun to add a drive-through component to restaurants. Building 2 will consist of a 9,600 square feet pad and consist of a 2,400 square foot fast casual restaurant, 5,700 square feet of retail space, and a 1,500 square foot juice shop. Building 3 will consist of a 2,800 square foot coffee shop with a drive-through lane and 4,800 square feet of retail space.

The project is located in the south quadrant of the Main Street / Auto Center Drive intersection and is shown in Figure 1. Access to the site will include two locations. The first location is at the existing signalized Main Street / Auto Center Drive intersection. A second access is proposed about 250 feet west of the Auto Center Drive intersection. This driveway would replace an existing driveway and will provide right-in, right-out access. The project will provide 143 parking stalls located on the backside of the site. Figure 2 illustrates the project site with the proposed access locations.

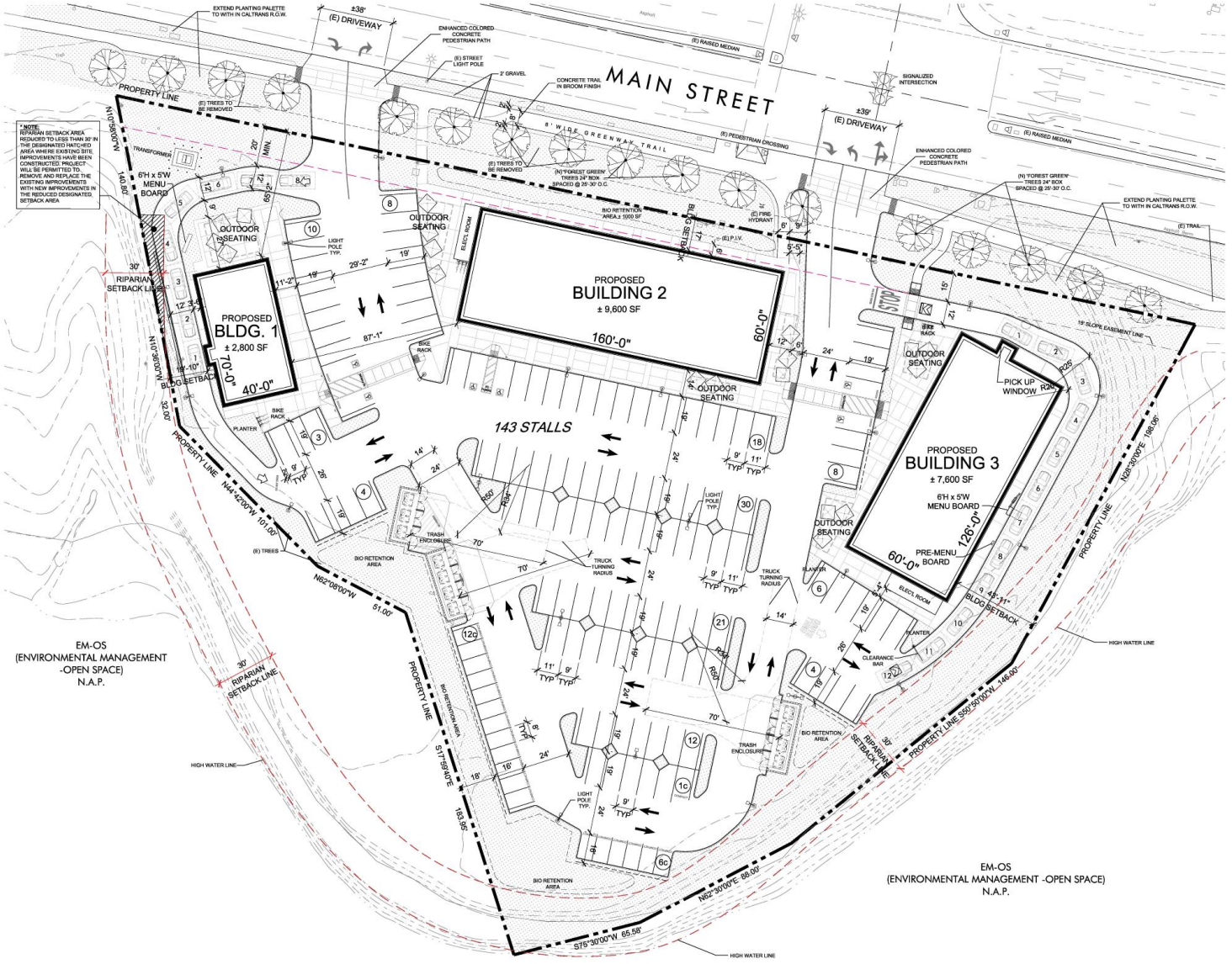


VICINITY MAP

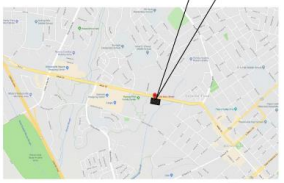
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figure 1



1035 MAIN STREET
WATSONVILLE, CA



VICINITY MAP
NOT TO SCALE
NORTH

SITE DATA

ZONING

APN	018-261-14 018-261-29
EXIST. / PROPOSED USE	RETAIL / RESTAURANT
EXISTING ZONING	CT (THOROUGHFARE COMMERCIAL)

SITE AREA

GROSS SITE AREA	(± 3.05 AC) ± 132,858 SF

BUILDING DATA

BUILDING AREA:

BUILDING 1	±2,800 SF
BUILDING 2	±9,600 SF
BUILDING 3	±7,600 SF
TOTAL BUILDING AREA	±20,000 SF

PARKING DATA

PARKING REQUIRED: (Per Table12 - Traffic Impact Analysis)

TABLE 12
PARKING REQUIREMENTS PER ZONING CODE

Use Type	Parking Space Requirement	Size	Adjusted Size (85% GSF.A)	Excess of 5,000 sf	Parking Required
General Retail	10 spaces for first 5,000 sf + 1 stall per 250 sf thereafter	6,300 sf	5,355 sf	355 sf	12
Restaurant with drive-through	1 per 100 sf	2,800 sf	2,380 sf	-	24
Coffee Shop with drive-through	1 per 100 sf	2,800 sf	2,380 sf	-	24
Fast Casual Restaurants	1 per 100 sf	8,700 sf	7,395 sf	-	74
				Total Stalls Required	134
Restaurant with drive-through	25% reduction for drive-through lane				(6)
Coffee Shop with drive-through	25% reduction for drive-through lane				(6)
				Net Stalls Required with Drive-Through Lanes	122

PARKING PROVIDED:

STANDARD STALLS	118	STALLS
ADA STALLS	6	STALLS
COMPACT STALLS	19	STALLS
TOTAL PARKING PROVIDED	143	STALLS

PARKING RATIO: 7.1 / 1000 SF

REQUIRED SETBACKS

FRONT	15'
SIDE	NONE
REAR	10'
DRIVE THRU LANE	20' FROM FACE OF CURB OF STREET FRONTAGE

SITE LAYOUT

STANDARD STALL	9'x19'
COMPACT STALL	8'x16' (30% MAX.)
DRIVE AISLE WIDTH	24' (MIN.)
FIRE LANE	20' (MIN.)

LANDSCAPE

LANDSCAPE & BIO RETENTION AREA	±32,354 SF or 24.3% GFA

NOTES:

- LANDSCAPING - 20% MIN.
- FINGER PLANTER EVERY 6 STALLS - REPLACED WITH DIAMOND PLANTER EVERY 3 STALLS
- ONLY 1 MENU BOARD PER DRIVE-THRU WILL BE PERMITTED 30SF MAX.
- 35' MAX. BLDG. HEIGHT

PROPOSED SITE PLAN
SCALE: 1" = 20'-0"
GRAPHIC SCALE
1 inch = 20' feet

975-1075 Main Street
WATSONVILLE, CA

Boos Development West, LLC
2020 L Street, Suite 245, Sacramento, CA 95811
Tel # 916.346.4797

McKently Malak ARCHITECTS
35 Hugus Alley, Suite 200
Pasadena, California 91103-3648
TEL 626.583.8348 FAX 626.583.8387

PROPOSED SITE PLAN
07.31.2019 18082MMA

SP-13

SITE PLAN

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figure 2

EXISTING SETTING

Study Area

This study addresses traffic conditions at eight (8) existing intersections shown in Figure 3. The limits of the study area were reviewed and approved by City of Watsonville and Caltrans staff. All study intersections are located along Main Street (SR 152) which is designated by Caltrans as a Principal Arterial roadway. The text that follows describes the roadway facilities included in this analysis.

The quality of traffic flow is typically governed by the operation of major intersections and the daily volume of traffic along the roadways. The physical characteristics of the study intersections are described in the text which follows.

Study Area Intersections

The **Main Street / S. Green Valley Road** intersection is a four-way signal-controlled intersection. The Main Street approaches include protected left turn movements while the Green Valley Road approaches are split phase. The Main Street approaches included dual left turn lanes, two through lanes and a right turn lane. The northbound Green Valley Road approach includes a left turn lane, a shared left-through lane, a through lane and a right turn lane. Southbound Green Valley Road incudes a shared left-through lane, a through lane and a right turn lane. Crosswalks are present along all approaches. Bike lanes are not present in the intersection.

The **Main Street / Watsonville Square Shopping Center** intersection is a four-way signal-controlled intersection. The Main Street approaches include protected left turn movements while the Watsonville Shopping Center approaches are permitted phasing. The eastbound Main Street approach includes a left turn lane, two through lanes and a right turn lane while the westbound approach includes a left turn lane, two through lanes and a shared through-right lane. Both Watsonville Shopping Center approaches include a shared left-through lane and a right turn lane. Crosswalks are present along the north, south and east approaches. Bike lanes are not present in the intersection.

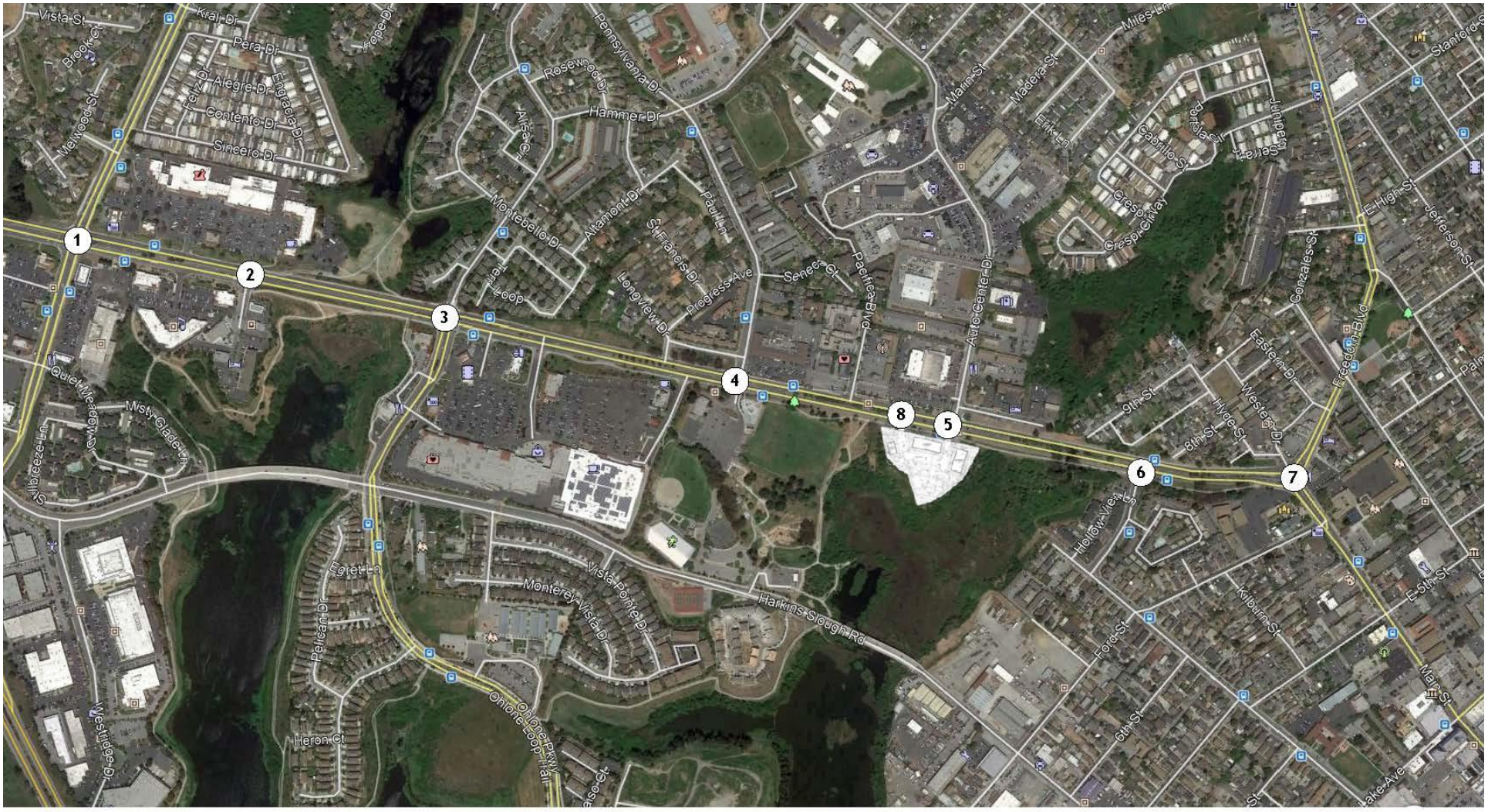
The **Main Street / Ohlone Parkway – Clifford Drive** intersection is a four-way signal-controlled intersection. The Main Street approaches include protected left turn movements while the Ohlone Parkway – Clifford Drive approaches are split phase. The eastbound Main Street approach includes a left turn lane, two through lanes and a right turn lane while the westbound approach includes a left turn lane, a through lane and a shared through-right lane. Ohlone Parkway includes two left turn lanes, a through lane and a right-turn lane while Clifford Drive includes a shared left-through lane and a right turn lane. Crosswalks are present along the north, south and east approaches. Bike lanes are present along Ohlone Parkway and Main Street east of the intersection.

The **Main Street / Pennsylvania Drive** intersection is a four-way signal-controlled intersection. The Main Street approaches include protected left turn movements while the Pennsylvania Drive approach consists of permitted movements; the south side of the intersection provides an access into Ramsey Park. Both approaches along Main Street include a left turn lane, a through lane and a shared through-right turn lane. Southbound Pennsylvania Drive includes a left turn lane and a shared through-right lane while the Ramsey Park approach includes a single lane. Crosswalks are present along all approaches. Bike lanes are present along Main Street and Pennsylvania Avenue.

The **Main Street / Auto Center Drive** intersection is a four-way signal-controlled intersection; the south leg of the intersection provides the main access to the project site. The Main Street approaches include protected left turn movements while the Auto Center Drive – Project Access approaches are permitted movements. Both approaches along Main Street include a left turn lane, a through lane and a shared through-right turn lane. Southbound Auto Center Drive includes a shared left-through lane and a right turn lane while the Project Access approach includes a single lane. Crosswalks are present along all the north, east and west approaches; a crosswalk and pedestrian signal indications are not present along the south approach. Bike lanes are present along Main Street.

The **Main Street / Rodriguez Street** intersection is a three-way signal-controlled intersection. The Main Street approaches include protected left turn movements. The eastbound Main Street approach includes a through lane and a shared through-right turn lane while the westbound approach includes a left turn lane and two through lanes. The Rodriguez Street approach includes a left turn lane and a shared left-right lane. Crosswalks are present along the east and south approaches. Bike lanes are present along Main Street west of the intersection while a southbound bike lane begins about 50 feet south of the intersection along Rodriguez Street; a northbound bike lane ends about 200 feet prior to the intersection.

The **Main Street / Freedom Blvd / Western Drive** intersection is a signal-controlled skewed intersection. Main Street approaches the intersection from the west and continues to the south. Freedom Blvd approaches the intersection from the northeast while Western Drive approaches from the north. The signal phasing is four-phases and provides overlap phases for eastbound to southbound and northbound to northeast-bound movements. The eastbound Main Street approach includes a single left lane for Western Drive and Freedom Blvd and two right turn lanes for Main Street. Northbound Main Street includes a left turn lane, a shared left-through lane and a right turn lane. Southwest-bound Freedom Blvd includes two left turn lanes to southbound Main Street and a shared through-right lane for westbound Main Street and Western Drive traffic. The Western Drive approach includes a shared left-through lane and a right turn lane. Crosswalks are present across Western Drive and Freedom Blvd while bike lanes are present along Freedom Blvd.



NORTH

N.T.S.

EXISTING TRAFFIC LOCATIONS

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figure 3

Analysis Criteria

Level of Service Methodology. *Level of Service Analysis* has been employed to provide a basis for describing existing traffic conditions and for evaluating the significance of project traffic impacts. Level of Service measures the *quality* of traffic flow and is represented by letter designations from "A" to "F", with a grade of "A" referring to the best conditions, and "F" representing the worst conditions.

The analysis techniques presented in the *Highway Capacity Manual 6th Edition* were used to provide a basis for describing existing traffic conditions and evaluating the significance of project traffic impacts.

Various software programs have been developed to assist in calculating intersection Level of Service, and the level of sophistication of each program responds to factors that affect the overall flow of traffic. In this case, Synchro-SimTraffic software was used for intersection analysis in order to account for the effects of the corridor along Main Street between Green Valley Road and Freedom Blvd. The software is a stochastic model, i.e. randomness is present when running the simulations. The results will vary within each scenario and between scenarios. This may result in some intersections having lower delays in the Plus Project scenario than in the No Project scenario. This is a normal occurrence for stochastic models, and it is not unexpected that delays could improve at one intersection while increasing at other intersections. The changes in delays typically should be reasonable; a substantial reduction in delay should not be anticipated. The simulation results contained herein reflect the average of the mean 10 one-hour simulation runs selected from a 20-run sample.

For intersections that have roundabouts identified as a future condition or as a mitigation, *SIDRA 8.0* was used to analyze the operating characteristics of the roundabout.

Applicable Level of Service thresholds based on average delay are shown in Table 1.

Intersection Level of Service Thresholds of Significance. The City of Watsonville identifies LOS D as the acceptable Level of Service at intersections. A traffic impact is considered to be significant if the project causes an intersection to change from acceptable to unacceptable LOS conditions.

Based on previously prepared traffic studies in the City of Watsonville and direction from City of Watsonville staff, the following significance criteria have been used for this study:

Signalized Intersections

A significant impact at a signalized study intersection is defined to occur under either of the following two conditions:

- A significant impact would occur if an intersection operating at LOS A, B, C or D degrades to E or F; or

- For intersections already operating at unacceptable levels E or F, a significant impact would occur if the project would cause overall delay to increase by at least 0.1 seconds.

Unsignalized Intersections

A significant impact at a minor street stop-controlled study intersection is defined to occur under either of the following two conditions:

- A significant impact would occur if any traffic movement operating at LOS A, B, C, D or E degrades to F; or
- For intersections already operating at unacceptable level F, a significant impact would occur if the project would cause overall delay to increase by at least 0.1 seconds.

Caltrans prepared a Transportation Concept Report for SR 152 in June 2017. The TCR does not identify a target level of service for the route segments. Based on discussion with Caltrans District 5 staff the following significance criteria have been used within this study at intersections under their jurisdiction:

Signalized Intersections

A significant impact at a signalized study intersection is defined to occur under either of the following two conditions:

- A significant impact would occur if an intersection operating at LOS A, B or C degrades to D, E or F; or
- For intersections already operating at unacceptable levels D, E or F, a significant impact would occur if the project would cause overall delay to increase by at least 0.1 seconds.

One- or Two-Way Stop-Controlled Intersection

A significant impact at a one- or two-way stop-controlled study intersection is defined to occur under either of the following two conditions:

- A significant impact would occur if any traffic movement operating at LOS A, B, C, D or E degrades to F; or
- For intersections already operating at unacceptable level F, a significant impact would occur if the project would cause overall delay to increase by at least 0.1 seconds.

Based on discussions with the City, mitigating an intersection that is operating below an acceptable level of service to the pre-project level of service condition is considered mitigation of the impact to a less than significant level.

TABLE 1
LEVEL OF SERVICE DEFINITIONS

Level of Service	Signalized Intersection	Unsignalized Intersection	Roadway (Daily)
"A"	Uncongested operations, all queues clear in a single-signal cycle. Delay ≤ 10.0 sec	Little or no delay. Delay ≤ 10 sec/veh	Completely free flow.
"B"	Uncongested operations, all queues clear in a single cycle. Delay > 10.0 sec and ≤ 20.0 sec	Short traffic delays. Delay > 10 sec/veh and ≤ 15 sec/veh	Free flow, presence of other vehicles noticeable.
"C"	Light congestion, occasional backups on critical approaches. Delay > 20.0 sec and ≤ 35.0 sec	Average traffic delays. Delay > 15 sec/veh and ≤ 25 sec/veh	Ability to maneuver and select operating speed affected.
"D"	Significant congestion of critical approaches but intersection functional. Cars required to wait through more than one cycle during short peaks. No long queues formed. Delay > 35.0 sec and ≤ 55.0 sec	Long traffic delays. Delay > 25 sec/veh and ≤ 35 sec/veh	Unstable flow, speeds and ability to maneuver restricted.
"E"	Severe congestion with some long standing queues on critical approaches. Blockage of intersection may occur if traffic signal does not provide for protected turning movements. Traffic queue may block nearby intersection(s) upstream of critical approach(es). Delay > 55.0 sec and ≤ 80.0 sec	Very long traffic delays, failure, extreme congestion. Delay > 35 sec/veh and ≤ 50 sec/veh	At or near capacity, flow quite unstable.
"F"	Total breakdown, stop-and-go operation. Delay > 80.0 sec	Intersection blocked by external causes. Delay > 50 sec/veh	Forced flow, breakdown.
Sources: Highway Capacity Manual, 6th Edition Transportation Research Board, 2016.			

Intersection Queuing Analysis. The quality of traffic flow can also be affected by queuing at signalized intersections. For this study, the lengths of peak period queues have been identified and compared to available storage in order to determine whether spillover from turn lanes can affect adjoining travel or extend through adjacent intersections. 95th percentile queue lengths have been calculated as a byproduct of the Synchro-SimTraffic simulation. Those locations where the 95th percentile queue exceeds the available storage have also been noted.

Traffic Signal Warrants. The extent to which existing or projected traffic volumes may justify signalization at unsignalized intersections has been determined based on consideration of traffic signal warrant presented in the *Manual of Uniform Traffic Control Devices, 2014.* For this analysis, the volume thresholds associated with Warrant 3 (Peak Hour Volume) have been assessed.

Non-Automobile Transportation

Public Transit. Santa Cruz County Metro Transit District provides bus service throughout Santa Cruz County in Watsonville. Four routes stop at the Main Street / Auto Center Drive intersection and include:

The '71' Santa Cruz-Watsonville route operates between the Santa Cruz Metro Center (SCMC) and the Watsonville Transit Center (WTC). The northbound routes operate Monday through Friday with the first bus departing WTC at 5:34 a.m. and arriving at SCMC at 6:39 a.m. The last bus departs WTC at 11:15 p.m. arriving at SCMC at 12:15 a.m. The southbound routes operate Monday through Friday with the first bus departing SCMC at 6:45 a.m. and arriving at WTC at 8:00 a.m. The last bus departs SCMC at 11:45 p.m. arriving at WTC at 12:45 a.m. The routes take about 1 hour to complete with buses running at about 30-minute headways until about 8:45 p.m. at which point the route operates at about one-hour headways. The route operates on Saturdays and Sundays with the northbound buses departing WTC between 6:10 a.m. and 3:10 p.m. at 30-minute headways; between 4:10 and 8:10 buses depart at one-hour headways. In the southbound direction, buses depart SCMC between 7:15 a.m. and 3:45 p.m. at 30-minute headways; between 4:45 and 11:45 buses depart at one-hour headways.

The '72' Hospital / Pinto Lake route operates locally only Monday through Friday between the WTC and Pinto Lake. The first bus departs WTC at 6:45 a.m. and operates at one-hour headways until 5:45 p.m. The route loops back to the WTC and takes about 55 minutes to complete.

The '72W' Corralitos Weekend route operates locally only Saturday and Sunday between the WTC and Corralitos. The first bus departs WTC at 9:25 a.m. and operates at two-hour headways until 5:25 p.m. The route loops back to the WTC and takes about one hour to complete.

The '75' Green Valley route operates locally Monday through Friday between the WTC and Monte Vista School. The first bus departs WTC at 5:15 a.m. and operates at one-hour headways until 6:15 p.m. The route loops back to the WTC and takes about one hour to complete. Weekend service is also provided with the first bus departing WTC at 6:05 a.m. and operating at about one-hour headways until 5:45 p.m.

The '69W' route operates seven days a week between SCMC through Cabrillo to Watsonville. However, while the route travels past the project site, the route does not provide a stop at this location. The closest stops are at the Main Street / Pennsylvania Drive and Main Street / Rodriguez Street intersections.

The '91X route is a commuter express route operating between Santa Cruz and Watsonville. The route operates Monday through Friday. However, while the route travels past the project site, the route does not provide a stop at this location. The closest stop is at the Main Street / Pennsylvania Drive intersection.

Bicycle and Pedestrian Facilities. Designated bicycle facilities exist on various part of the City of Watsonville. An existing street-based trail exists along Main Street between Ramsey Park and

the west side of Rodriguez Street along the project frontage. The City's 2012 Trails and Bicycle Master Plan identifies the Lower Watsonville Slough Loop Trail as a greenway loop along the perimeter of the slough from Highway 1 along Main Street. When completed, the existing street-based trail will become a portion of this larger trail. In 2015 a Bicycle Safety Assessment was conducted by ITS Berkeley to improve bicycle traffic safety and enhance circulation along the City's transportation corridors. Among the key findings were that Main Street is a well-used bicycle route but is in need of improvements to make the corridor more bicycle-friendly. Currently, a large shoulder is present along Main Street between Ohlone Parkway and Rodriguez Street; however, it is not marked as a bike lane.

Sidewalk is present along the north side of Main Street between Green Valley Road and Freedom Blvd. The south side of the street includes a combination of sidewalk and multi-use pathway. Along the project frontage an asphalt pathway is present about 10 feet from the street.

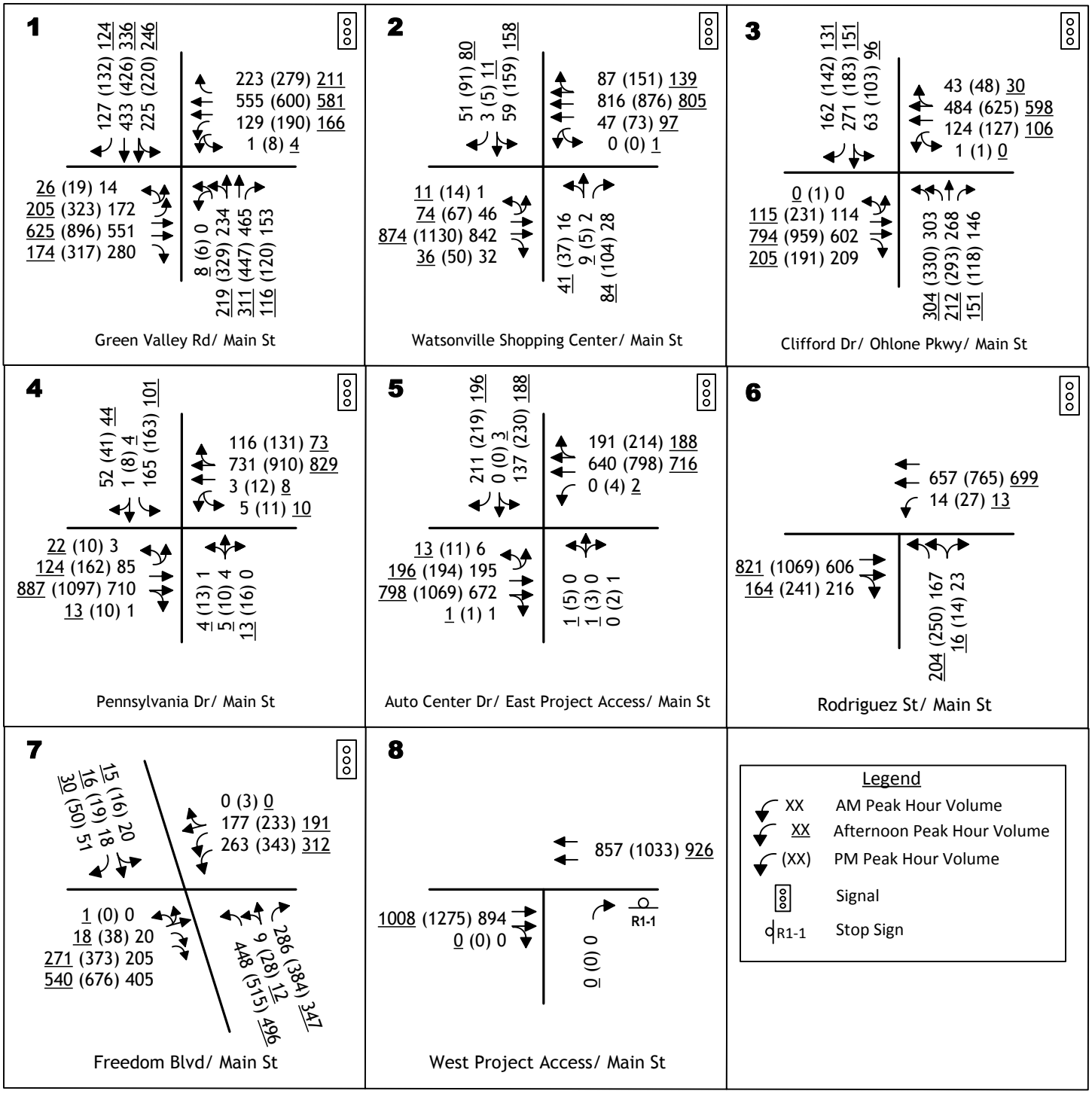
Existing Traffic Operating Conditions

Traffic Volume Counts. New a.m. and p.m. traffic counts were completed during the week of January 21, 2019 while local schools were in session. Additional noon-time counts were counted during the week of February 18 while school was in session. Counts were conducted on Wednesdays or Thursdays to avoid the day after a holiday weekend. Intersection turning movements are presented in Figure 4.

Intersection Levels of Service. Table 2 summarizes current operating Levels of Service at the study area intersections developed based on the mean for 10 simulation runs conducted for each time period. Six study intersections currently operate with acceptable Levels of Service, at LOS C or better during the three peak periods analyzed. The Main Street / Green Valley Road intersection and the Main Street / Ohlone Parkway – Clifford Drive intersections will operate at LOS D conditions in both a.m. and p.m. peak hours; the Main Street / Ohlone Parkway – Clifford Drive intersection will also operate at LOS D in the noon peak hour.

Intersection Queues. The quality of traffic flow can also be affected by queuing at signalized intersections. For this study, the lengths of left turn peak period queues have been identified and compared to available storage in order to determine whether spillover from turn lanes can affect adjoining travel or extend through adjacent intersections. The available storage is presented along with the 95th percentile queue length. On multiple lane approaches the longest queue is identified unless noted. On approaches where a second lane is a trap lane from the approach the shortest queue is noted to identify if the short turn lane spills back to the adjacent lane.

Most intersections have lane storage capacity that can accommodate peak period queues. Table 3 presents information regarding current peak period queuing in lanes at signalized study intersections. Those 95th percentile queues with length exceeding the available storage have been highlighted. The 95th percentile queue exceeds available storage in seven locations. It is expected that where the queue is less than 25 feet a vehicle is likely able to queue in the left turn taper. At four intersections the queue length exceeds the available storage by less than 25 feet. Queues within the shopping centers were not included.



EXISTING TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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figure 4

TABLE 2
EXISTING PEAK HOUR LEVELS OF SERVICE AT INTERSECTIONS

Location	Control	AM Peak Hour		PM Peak Hour		Noon Peak Hour		Traffic Signal Warranted?
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay	
1. Main Street / Green Valley Road	Signal (Caltrans)	**D**	**39.0**	**D**	**50.4**	C	28.8	N/A
2. Main Street / Watsonville Square Shopping Center	Signal (Caltrans)	A	7.9	B	14.7	B	14.9	N/A
3. Main Street / Ohlone Parkway – Clifford Drive	Signal (Caltrans)	**D**	**36.0**	**D**	**54.1**	**D**	**35.9**	N/A
4. Main Street / Pennsylvania Drive	Signal (Caltrans)	B	13.4	B	18.6	B	13.9	N/A
5. Main Street / Auto Center Drive – East Project Access	Signal (Caltrans)	B	14.2	B	18.2	B	16.0	N/A
6. Main Street / Rodriguez Street	Signal (Caltrans)	A	9.9	B	12.0	A	9.1	N/A
7. Main Street / Freedom Blvd – Western Drive	Signal (Caltrans)	C	25.1	C	29.3	B	20.3	N/A
8. Main Street / West Driveway NB Right	No observed driveway traffic							

Bold indicates intersection operates below threshold

TABLE 3
EXISTING PEAK HOUR QUEUES AT SIGNALIZED INTERSECTIONS

Location	Length*	AM Peak Hour Queue (feet)	PM Peak Hour Queue (feet)	Noon Peak Hour Queue (feet)
1. Main Street / Green Valley Drive				
NB left turn (2x280') †	280	237	302	157
SB through-left turn	---	309	336	239
EB left turn (2x275')	275	153	328	127
WB left turn (2x285')	285	121	204	116
2. Main Street / Watsonville Square Shopping Center				
NB through-left turn (120')	120	39	77	52
SB through-left turn (65') ‡	65	108	213	121
EB left turn (250')	250	93	139	80
WB left turn (260')	260	88	133	105
3. Main Street / Ohlone Parkway – Clifford Drive				
NB left turn (2x125') ◊	125	165	177	158
SB through-left turn	---	704	733	491
EB left turn (500')	500	156	316	139
WB left turn (265')	265	169	236	127
4. Main Street / Pennsylvania Drive				
NB (175')	175	24	66	41
SB left turn (245')	245	114	114	79
EB left turn (215')	215	136	237	128
WB left turn (200')	200	33	59	41
5. Main Street / Auto Center Dr				
SB through-left turn	---	288	397	196
EB left turn (225')	225	242	234	176
WB left turn (200')	200	---	24	11
6. Main Street / Rodriguez St				
NB left turn (185')	185	145	180	60
WB left turn (165')	165	46	64	40
7. Main Street / Freedom Blvd				
NB left turn (2x210') †	210	188	268	162
SB left-through	---	85	84	66
EB through-left turn (300')	300	231	315	235
WB left turn (2x315') †	315	191	231	109

Highlighted values indicate queue length in excess of available storage

* - longest lane for multiple turn lane approaches

† - outside lane is a through-left lane; shortest queue shown

◊ - outside lane is a trap lane from the approach; shortest queue shown

‡ - lane length to shopping center internal aisle

--- - approach lane

PROJECT CHARACTERISTICS

The development of this project will attract traffic to the project site. The amount of additional traffic on a particular section of the street network is dependent upon two factors:

- Trip Generation, the number of new trips generated by the project, and
- Trip Distribution and Assignment, the specific routes that the new traffic takes.

Trip Generation

Trip generation is determined by identifying the type and size of land use being developed. Recognized sources of trip generation data may then be used to calculate the total number of trip ends resulting from the day to day operation of the businesses in the project.

The trip generation for this project was calculated using trip generation rates published in the *Trip Generation Manual* (Institute of Transportation Engineers, 10th Edition, 2017). Applicable rates are found in categories 820 (Shopping Center), 930 (Fast Casual Restaurant), 934 (Fast Food Restaurant with Drive-Through) and 937 (Coffee with Drive-Through Window), as shown in Table 4. The fast food restaurant is projected to be a Chipotle restaurant which is considered a fast casual use. However, fast casual is a new use and does not include drive-through facilities. Chipotle, however, has begun to add a drive through component to their new restaurants. One differentiation between their drive-through facility is that the drive-through lane serves only to pick up order; no orders are accepted. Additionally, Chipotle opens at 10:45 a.m., outside the 7:00- 9:00 a.m. peak hour. An a.m. analysis was completed in case the business were to change to include morning hours. The site would generate about 6,103 total daily trips, 332 a.m. peak hour trips, 371 p.m. peak hour trips and 773 noon peak hour trips.

Trips generated by retail commercial projects fit into two categories. Some trips will be made by patrons who would not otherwise be on the local street system and who go out of their way to reach the site. These are "new" trips. Other trips will be made by patrons who are already in the roadway network and stop by the site as part of a trip made for another purpose. These "pass-by" trips do not add traffic to the overall system. ITE research has suggested typical "pass-by" percentages for various retail land uses. The ITE *Trip Generation Handbook, 3rd Edition* identifies pass-by rates for the various uses. Daily pass-by rates were either derived from the handbook or was averaged between the a.m. and p.m. peak hour rates. Fast food rates were used for the coffee shop as requested by the City.

A reduction of new trips was also considered based on 'internally captured' trips. A characteristic of mixed-use development is that trips between the various land uses can be made on the site, and none of these internal trips are made on the major street system. It is reasonable to assume that some trips will be made between the various uses on the site. An internal capture rate of 5% per Caltrans' *Guide for the Preparation of Traffic Studies* was used.

Table 5 presents the "pass-by" reductions and internally captured used for this study. Application of these rates yields a total of 2,812 daily 'pass-by' trips, 152 'pass-by' a.m. peak hour trips, 167 'pass-by' p.m. peak hour trips and 362 'pass-by' mid-day peak hour trips. Internal trips are projected to account for 305 daily trips, 17 a.m. peak hour trips, 19 p.m. peak hour trips and 39 p.m. peak hour trips. After accounting for this traffic, the project is expected to generate 2,986 'new' daily trips, 164 'new' a.m. peak hour trips, 186 'new' p.m. peak hour trips and 373 'new' mid-day peak hour trips. Trip generation was reviewed and approved by City staff.

TABLE 4
TRIP GENERATION

Land Use	Unit Quantity	Size	Trips Per Unit									
				AM Peak Hour			PM Peak Hour			Noon Peak Hour		
			Daily	In	Out	Total	In	Out	Total	In	Out	Total
Shopping Center – Bldg 2 (LU 820)	KSF	2.30	37.75	62%	38%	0.94	48%	52%	9.76	55%	45%	3.78
Shopping Center – Bldg 3 (LU 820)	KSF	4.00	37.75	62%	38%	0.94	48%	52%	9.76	55%	45%	3.78
Fast Casual Restaurant – Bldg 2 (LU 930)	KSF	7.30	315.17	67%	33%	2.07	55%	45%	14.13	61%	39%	43.81
Fast Food with Drive-Thru - Bldg 1 (LU 934)	KSF	2.80	470.95	51%	49%	40.19	52%	48%	32.67	51%	49%	55.57
Coffee Shop with Drive-Thru – Bldg 3 (LU 937)	KSF	2.20	820.38	51%	49%	88.99	50%	50%	43.38	50%	50%	96.80
Fast Casual Restaurant – Bldg 3 (LU 930)	KSF	1.40	315.17	67%	33%	2.07	55%	45%	14.13	61%	39%	43.81
Shopping Center – Bldg 2 (LU 820)			**87**	3	2	**5**	11	12	**22**	5	4	**9**
Shopping Center – Bldg 3 (LU 820)			**151**	2	1	**4**	19	20	**39**	8	7	**15**
Fast Casual Restaurant – Bldg 2 (LU 930)			**2,301**	10	5	**15**	57	46	**103**	195	125	**320**
Fast Food with Drive-Thru - Bldg 1 (LU 934)			**1,319**	57	55	**113**	48	44	**91**	79	76	**156**
Coffee Shop with Drive-Thru – Bldg 3 (LU 937)			**1,805**	100	96	**196**	48	48	**95**	106	106	**213**
Fast Casual Restaurant – Bldg 3 (LU 930)			**441**	2	1	**3**	11	9	**20**	37	24	**61**
		Sub-Total Trips	**6,103**	173	159	**332**	192	179	**371**	431	342	**773**

KSF – thousand square feet Numbers may not match due to rounding

TABLE 4 (cont'd)
TRIP GENERATION

Land Use	Unit Quantity	Size	Trips Per Unit									
				AM Peak Hour			PM Peak Hour			Noon Peak Hour		
			Daily	In	Out	Total	In	Out	Total	In	Out	Total
Internal Capture Trips												
Shopping Center – Bldg 2 (LU 820)			(4)	(0)	(0)	(0)	(1)	(1)	(1)	(0)	(0)	(0)
Shopping Center – Bldg 3 (LU 820)			(8)	(0)	(0)	(0)	(1)	(1)	(2)	(0)	(0)	(1)
Fast Casual Restaurant – Bldg 2 (LU 930)			(115)	(1)	(0)	(1)	(3)	(2)	(5)	(10)	(6)	(16)
Fast Food with Drive- Thru - Bldg 1 (LU 934)			(66)	(3)	(3)	(6)	(2)	(2)	(5)	(4)	(4)	(8)
Coffee Shop with Drive-Thru – Bldg 3 (LU 937)			(90)	(5)	(5)	(10)	(2)	(2)	(5)	(5)	(5)	(11)
Fast Casual Restaurant – Bldg 3 (LU 930)			(22)	(0)	(0)	(0)	(1)	(0)	(1)	(2)	(1)	(3)
Total Internal Capture Trips			**(305)**	(9)	(8)	**(17)**	(10)	(9)	**(19)**	(22)	(17)	**(39)**
Pass-By Trips												
Shopping Center – Bldg 2 (LU 820) *(17% Daily, 0% AM, 34% PM, Mid-day 26%)*			(14)	(0)	(0)	(0)	(3)	(4)	(7)	(1)	(1)	(2)
Shopping Center – Bldg 3 (LU 820) *(17% Daily, 0% AM, 34% PM, Mid-day 26%)*			(24)	(0)	(0)	(0)	(6)	(7)	(13)	(2)	(2)	(4)
Fast Casual Restaurant – Bldg 2 (LU 930) *(49% Daily, 49% AM, 50% PM, Mid-day 50%)*			(1,093)	(5)	(2)	(7)	(27)	(22)	(49)	(93)	(59)	(152)
Fast Food with Drive-Through – Bldg B *(49% Daily, 49% AM, 50% PM, Mid-day 50%)*			(614)	(27)	(26)	(52)	(23)	(21)	(43)	(38)	(36)	(74)
Coffee Shop with Drive-Thru – Bldg 3 (LU 937) *(49% Daily, 49% AM, 50% PM, Mid-day 50%)*			(857)	(46)	(45)	(91)	(23)	(23)	(45)	(51)	(51)	(101)
Fast Casual Restaurant – Bldg 2 (LU 930) *(49% Daily, 49% AM, 50% PM, Mid-day 50%)*			(210)	(1)	(0)	(1)	(5)	(4)	(9)	(18)	(11)	(29)
Total Pass-By Trips			**(2,812)**	(79)	(72)	**(152)**	(87)	(80)	**(167)**	(202)	(160)	**(362)**
Net New Trips			**2,986**	86	79	**164**	96	90	**186**	208	165	**373**

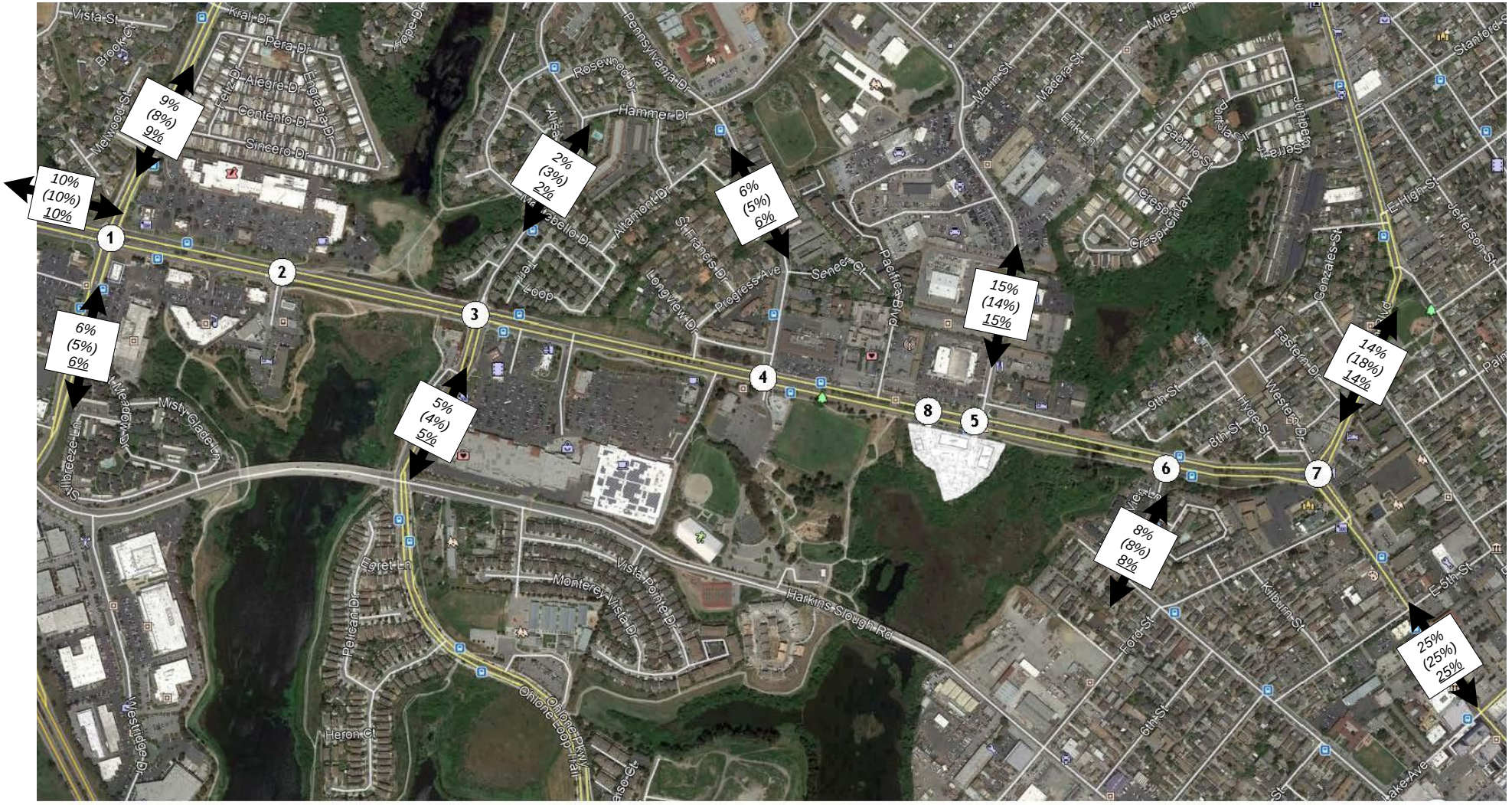
KSF – thousand square feet Numbers may not match due to rounding

Trip Distribution & Assignment

The distribution of traffic was developed based on the existing traffic patterns and the patterns developed in the travel demand model provided by the Association of Monterey Bay Area Governments (AMBAG). To evaluate the traffic related effects of the Project, trips that would be generated by the Project were distributed onto the roadway network. The traffic distribution and project traffic volumes are shown in Figures 5 and 6.

TABLE 5
PROJECT TRIP DISTRIBUTION

Route	% of Total Trips		
	A.M.	P.M.	Noon
West on Main Street			
West on Main Street	10%	10%	10%
North on Green Valley Road	9%	8%	9%
South on Green Valley Road	6%	5%	6%
North on Clifford Drive	2%	3%	2%
South on Ohlone Parkway	5%	4%	5%
North on Pennsylvania Drive	6%	5%	6%
East on Main Street			
South on Rodriguez Street	8%	8%	8%
South on Main Street	25%	25%	25%
Northeast on Freedom Blvd	14%	18%	14%
North on Auto Center Drive	15%	14%	15%
Total	100%	100%	100%

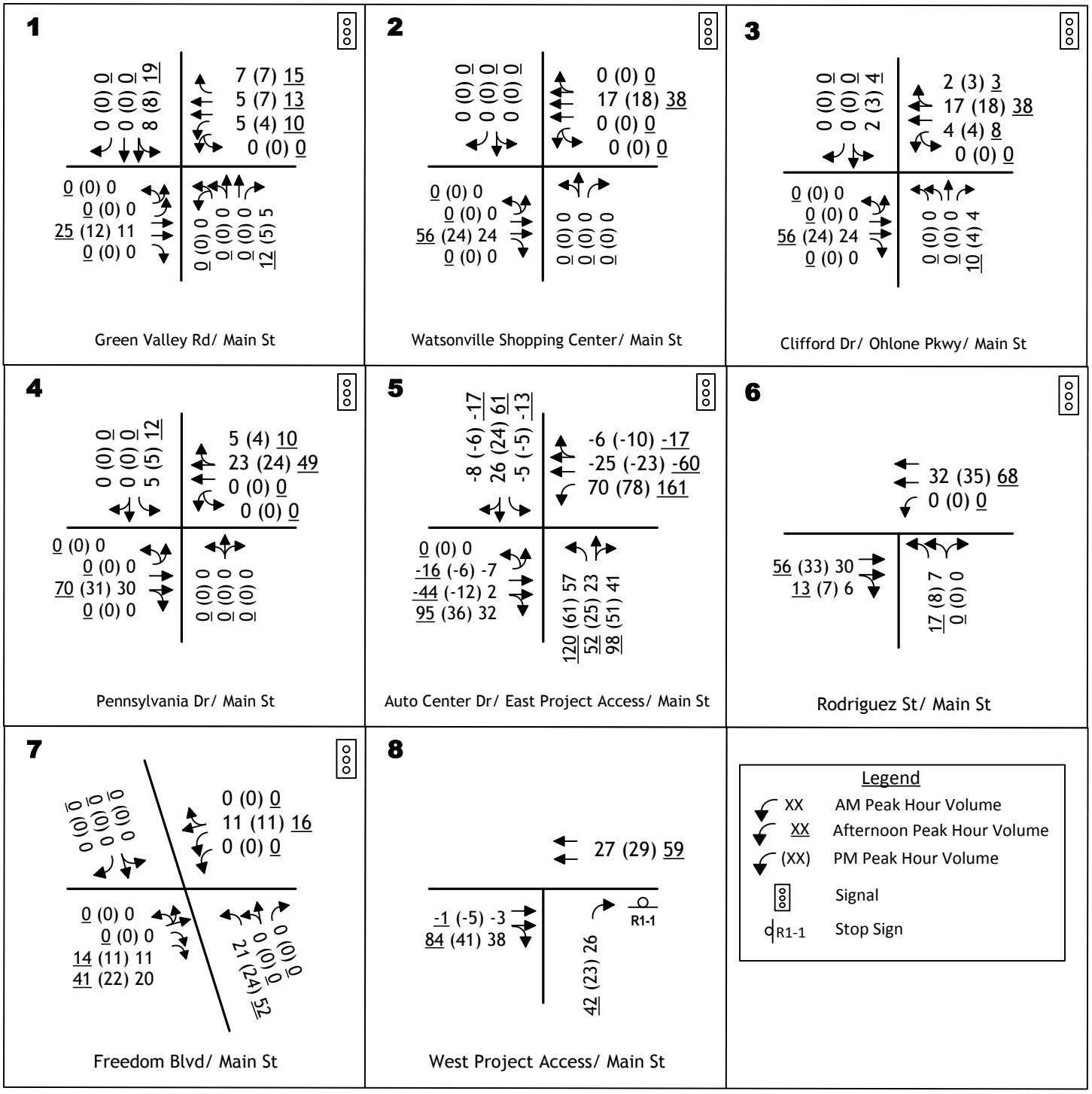


TRIP DISTRIBUTION PERCENTAGE

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figure 5



SITE DEVELOPMENT
PROJECT ONLY TRAFFIC VOLUMES
AND LANE CONFIGURATIONS

PROJECT TRAFFIC IMPACTS

Existing Plus Project Conditions

Traffic Volumes The impacts of developing the project uses on the project site have been identified by superimposing project traffic onto existing background conditions. Figure 7 displays the "Existing Plus Project" traffic volumes at each study intersection in the a.m., p.m. and mid-day peak hours.

Circulation System Improvements. Figure 7 also presents the intersection geometry and traffic controls resulting from implementation of the project's projected improvements along Main Street at the Auto Center Drive intersection.

The Auto Center Drive / existing driveway currently operates under a permissive signal phase with a single lane exiting the driveway and Auto Center Drive consisting of a left-through lane and a right turn lane. This existing permitted phasing would not be expected to allow adequate gaps for left turning vehicles opposing through and right turning movements. Therefore, it is assumed that the signal phasing would be modified. Eight-phase protected left turn signals are typically more efficient than a split phase signal; this analysis assumes that under "Plus Project" conditions the project applicant will be responsible to modify the existing traffic signal to an eight-phase signal with protected left turns on all approaches. Restriping of Auto Center Drive to include a left turn lane and a through-right lane will also be necessary. The project driveway approach will include a left turn lane and a through-right lane. The project's existing second access will be reconstructed with right-in, right-out access maintained. These modifications will require review and approval from Caltrans.

Intersection Levels of Service. Intersection Levels of Service were calculated and used as the basis for evaluating project impacts. Table 6 compares the Existing and Existing Plus Project peak hour Levels of Service at each study intersection. As identified in the Level of Service Methodology section, simulation analyses may result in some intersections having lower delays in the Plus Project scenario than in the No Project scenario. This is a normal occurrence and it is not unexpected that delays could improve at one intersection while increasing at other intersections.

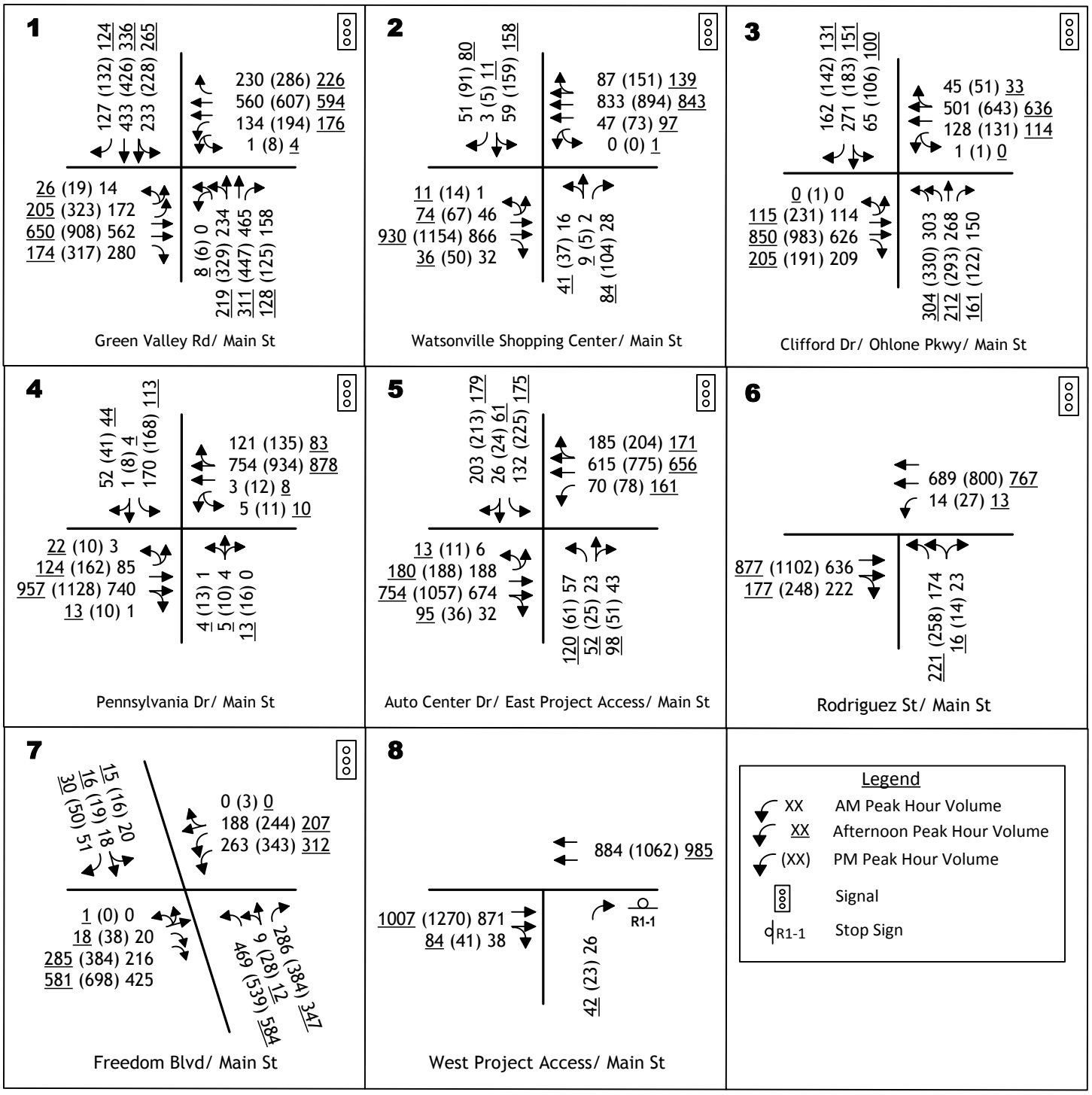
All intersections except the Main Street / Green Valley Road and Main Street / Ohlone Parkway – Clifford Drive intersections will operate above the minimum LOS threshold (i.e., LOS C or better).

The Main Street / Green Valley Road intersection will operate at LOS D in the a.m. and p.m. peak hours. The a.m. peak hour is within 0.1 spv of the pre-project conditions. This is not considered significant. The p.m. peak hour operates at 52.8 spv which is greater than 0.1 spv difference. This is considered a significant impact.

The Main Street / Ohlone Parkway – Clifford Drive intersection will operate at LOS D/E in the a.m. and p.m. peak hours. The a.m. peak hour operates at 39.1 spv while the p.m. peak hour operates at 55.0 spv. Both are greater than the 0.1 spv difference. These are considered significant impacts.

Traffic Signal Warrants. Existing Plus Project traffic volumes at the unsignalized project driveway was evaluated with regard to Warrant 3, the peak hour warrant contained in the CA MUTCD. The intersection does not meet this warrant in any of the peak hours.

Intersection Queues. Table 7 identifies peak period queues assuming the addition of project trips. Project trips and the SimTraffic software may change the length of some queues. Those 95th percentile queues with lengths exceeding the available storage have been highlighted. Under Existing Plus Project conditions six locations will exceed the available storage. It is expected that where the queue is less than 25 feet a vehicle is likely able to queue in the left turn taper. This is projected to occur at three locations. Queues within the shopping centers were not included.



SITE DEVELOPMENT
EXISTING PLUS PROJECT
TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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figure 7

TABLE 6
PEAK HOUR INTERSECTION LEVELS OF SERVICE
EXISTING PLUS PROJECT CONDITIONS

Intersection	Control	Existing Weekday AM Peak Hour		Existing + Proj Weekday AM Peak Hour		Existing Weekday PM Peak Hour		Existing + Proj Weekday PM Peak Hour		Existing Weekday Noon Peak Hour		Existing + Proj Weekday Noon Peak Hour		Traffic Signal Warrants Satisfied?
		LOS	Average Delay (veh/sec)	LOS	Average Delay (veh/sec)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	
1. Main Street / Green Valley Road	Signal (Caltrans)	**D**	**39.0**	**D**	**38.8**	**D**	**50.4**	**D**	**52.8**	C	28.8	C	29.8	N/A
2. Main Street / Watsonville Square Shopping Center	Signal (Caltrans)	A	7.9	A	8.2	B	14.7	B	14.2	B	14.9	B	14.6	N/A
3. Main Street / Ohlone Parkway – Clifford Drive	Signal (Caltrans)	**D**	**36.0**	**D**	**39.1**	**D**	**54.1**	**E**	**55.0**	**D**	**35.9**	C	34.5	N/A
4. Main Street / Pennsylvania Drive	Signal (Caltrans)	B	13.4	B	11.9	B	18.6	B	17.7	B	13.9	B	13.6	N/A
5. Main Street / Auto Center Drive – East Project Access	Signal (Caltrans)	B	14.2	B	18.8	B	18.2	C	21.8	B	16.0	C	27.6	N/A
6. Main Street / Rodriguez Street	Signal (Caltrans)	A	9.9	B	10.4	B	12.0	B	12.1	A	9.1	B	10.0	N/A
7. Main Street / Freedom Blvd – Western Drive	Signal (Caltrans)	C	25.1	C	23.3	C	29.3	C	28.8	B	20.3	C	20.8	N/A
8. Main Street / West Project Access NB Right	NB Stop (Caltrans)	No observed driveway traffic		A	6.2	No observed driveway traffic		B	18.5	No observed driveway traffic		A	9.8	No

Bold indicates intersection operates below threshold but within 0.1 seconds of delay to No Project condition
Bold indicates intersection operates with significant impact

TABLE 7
EXISTING PLUS PROJECT PEAK HOUR QUEUES
AT SIGNALIZED INTERSECTIONS

Location	Length*	AM Peak Hour Queue (feet)	PM Peak Hour Queue (feet)	Noon Peak Hour Queue (feet)
1. Main Street / Green Valley Drive				
NB left turn (2x280') †	280	250	301	165
SB through-left turn	---	312	340	268
EB left turn (2x275')	275	103	327	119
WB left turn (2x285')	285	117	228	111
2. Main Street / Watsonville Square Shopping Center				
NB through-left turn (120')	120	46	74	50
SB through-left turn (65') ‡	65	102	210	116
EB left turn (250')	250	82	130	84
WB left turn (260')	260	91	130	101
3. Main Street / Ohlone Parkway – Clifford Drive				
NB left turn (2x125') ◊	125	168	177	167
SB through-left turn	---	668	713	403
EB left turn (500')	500	177	317	147
WB left turn (265')	265	189	247	134
4. Main Street / Pennsylvania Drive				
NB (175')	175	24	67	40
SB left turn (245')	245	114	115	82
EB left turn (215')	215	120	224	134
WB left turn (200')	200	27	59	56
5. Main Street / Auto Center Dr				
SB left turn	---	188	260	176
EB left turn (225')	225	207	220	227
WB left turn (200')	200	113	132	189
NB left turn (100')	100	91	88	132
6. Main Street / Rodriguez St				
NB left turn (185')	185	146	187	69
WB left turn (165')	165	43	67	35
7. Main Street / Freedom Blvd				
NB left turn (2x210') †	210	201	298	183
SB left-through	---	93	82	57
EB through-left turn (300')	300	234	300	239
WB left turn (315') †	315	203	235	166

Highlighted values indicate queue length in excess of available storage and does not exceed No Project conditions
Highlighted values indicate queue length in excess of available storage and exceeds No Project conditions
* - longest lane for multiple turn lane approaches
† - outside lane is a through-left lane; shortest queue shown
‡ - lane length to shopping center internal aisle
--- - approach lane
◊ - outside lane is a trap lane from the approach; shortest queue shown

HISTORICAL SITE COMPARISON

Using trip generation information provided by Placeworks, a comparison of trip generation was made between the "historical" uses on the BTS Main Street site and the proposed project. The site's historical land uses assume full operation of the land uses existing at the time of the project's application submittal; much of the site was already shuttered at that time.

The site's land uses included a 6,000± square foot restaurant, a 5,700± square foot market and three auto care centers consisting of a 2,400± square foot tenant space, 1,400± square foot tenant space and a 2,400± square foot tenant space. Trip generation rates published in *Trip Generation* were used to determine historical trips into and out of the site. Applicable rates are found in the following land use codes:

- LU 931 – Quality Restaurant
- LU 851 – Convenience Supermarket
- LU 942 – Auto Care Center

Table 8 presents the historical trip generation rates for the project site. Under fully operational 'historical' conditions the site would generate about 4,995 total daily trips, 375 a.m. peak hour trips and 346 p.m. peak hour trips.

Internally captured trips, those trips that can occur between differing land uses on a site, were not considered based on the mixture of uses. Pass-by trips were considered and are available for LU 931, Quality Restaurant. Placeworks used LU 850, 'Supermarket', for the p.m. peak hours only for the convenience Supermarket land use; it was assumed that there were no pass-by trips in the a.m. peak hour. The p.m. pass-by rates were also used to project new daily trips. After accounting for this traffic, the historical site was projected to generate 3,210 'new' daily trips, 375 'new' a.m. peak hour trips and 226 'new' p.m. peak hour trips.

Comparison of Site Trips

The historical trips were compared to the project trips developed in Table 4 to determine the net trip differential between historical and proposed sites. Table 9 indicates that the proposed project will generate 224 fewer daily trips, 211 fewer a.m. trips and 40 fewer p.m. peak hour trips.

TABLE 8
HISTORICAL SITE
PROJECT TRIP GENERATION

Land Use	Amount	Trip Rate[1]			Trips		
		Daily	AM Peak Hour	PM Peak Hour	Daily	AM Peak Hour	PM Peak Hour
Quality Restaurant (LU 931)	6.0 ksf	83.84	0.73	7.80	503	4	47
Supermarket (851)	5.7 ksf	762.28	62.54	49.11	4,345	356	280
Auto Care Center (LU 942)	2.4 ksf	23.72	2.25	3.11	57	5	7
Auto Care Center (LU 942)	1.4 ksf	23.72	2.25	3.11	33	3	4
Auto Care Center (LU 942)	2.4 ksf	23.72	2.25	3.11	57	5	7
				SubTotal	**4,995**	**375**	**346**
Internal Trips (0%)							
Pass-By Trips[2]							
Quality Restaurant (PM 44%)					**(221)**[3]	[4]	**(21)**
Supermarket (PM 36%)					**(1,564)**[3]	[4]	**(101)**
Auto Care Center					---	---	---
Auto Care Center					---	---	---
				Total Trips	**3,210**	**375**	**226**

[1]ITE *Trip Generation*, 10th Edition - average rates used

[2]pm information from Trip Generation Handbook, 3rd Edition

[3]pm pass-by trip rates used for daily pass-by trips

[4]no am data available; assumed zero

TABLE 9
COMPARISON OF
PROJECT TRIP RATES VS HISTORICAL TRIP RATES

	Daily	AM	PM
		In	In
Historical Site Trips	3,210	375	226
Project Site Trips	2,986	164	186
Difference	**(224)**	**(211)**	**(40)**

CUMULATIVE IMPACTS (2040)

The analysis of the long range 2040 cumulative condition is intended to consider the impact of this project within the context of the Monterey / Santa Cruz region buildout projected to occur by 2040.

Year 2040 Forecasts / Conditions

Roadway Conditions

The roadways studied for this project are generally projected to remain with their current lane configurations in 2040 with the possible following changes to the roadway network:

- The 2040 Santa Cruz County Regional Transportation Plan (SCCRTP) and 2017 SR 152 Transportation Concept Report (TCR) identify installation of a roundabout at the Main Street (SR 152) / Freedom Blvd intersection. The SCCRTP identifies this project as a constrained project, one that could be funded over the next 22 years with reasonably foreseeable transportation revenues. Since the document notes it *could* be funded the intersection was analyzed under both signalized and roundabout conditions.

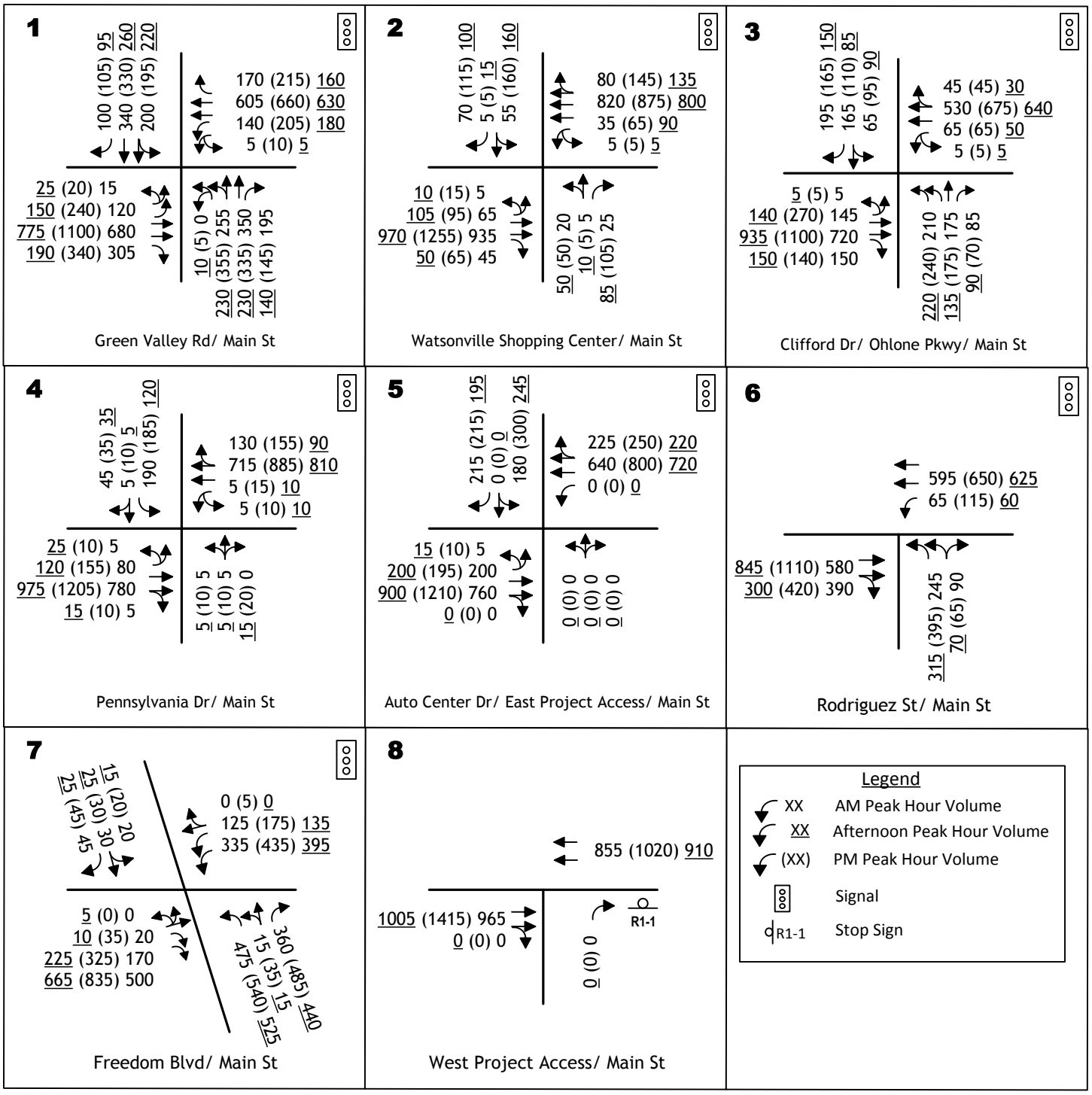
- Under the 'No Project' conditions the signal timing was optimized in Synchro / SimTraffic as traffic patterns and volumes may change by 2040 and current timing patterns may not be optimized. The timing pattern in the a.m. was optimized to a 120 second cycle, the p.m. optimized to 116 seconds between Green Valley Road and Ohlone Parkway – Clifford Drive, and 106 seconds between Pennsylvania Drive and Freedom Blvd. The noon peak hour operates free, without coordination.

No other roadway improvements were identified.

2040 Traffic Forecasts

Year 2040 traffic forecasts were based on the most recent AMBAG regional travel demand model. AMBAG uses a daily regional model. The daily traffic volumes from the travel model were used to generate growth factors based on the percentage increase between their 2015 and 2040 models. These growth factors were applied to existing peak hour intersection approaches and departures. The model may result in volumes increasing or decreasing based on the parameters of the overall roadway network. The development of future year intersection turning movement traffic volumes requires that the turning movements at each intersection "balance". To achieve the balance, inbound traffic volumes must equal the outbound traffic volumes, and the volumes must be distributed among the various left-turn, through, and right-turn movements at each intersection. The "balancing" of future year intersection turning movement traffic volumes was conducted using methods described in the Transportation Research Board's (TRB's) National Cooperative Highway Research Program (NCHRP) Report 255, *Highway Traffic Data for Urbanized Area Project Planning and Design*. The NCHRP 255 method,

known as Furness Factoring, applies the desired peak hour directional volumes to the intersection turning movement volumes, using an iterative process to balance and adjust the resulting forecasts to match the desired peak hour directional volumes. Intersection turning movements are presented in Figure 8. Based on the AMBAG model some approaches are shown to have increases in traffic volumes while others are shown to decrease. With Furness factoring applied to the intersections some turning movements increased while others decreased. This is not unexpected. Projected volumes were rounded to the nearest increment of five.



2040 BASE
TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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Transportation Engineers

2040 Intersection Levels of Service. The identified Year 2040 volumes were used to recalculate operating Levels of Service at the study intersections. Table 10 displays the a.m., p.m. and mid-day peak hour Levels of Service at each study intersection in the 2040 condition.

One intersection will operate below the acceptable LOS threshold. The Main Street / Green Valley Road intersection will decline to LOS D in the a.m. peak hour (36.4 spv) and LOS E in the p.m. peak hour (57.1 spv).

The Main Street / Freedom Blvd intersection is projected to operate at LOS C conditions under the signalized condition. With a roundabout the intersection will operate at LOS B conditions. The SCCRTP and SR 152 TCR do not identify the geometry of the roundabout. The layout used for the 'No Project' condition included two entry lanes on Main Street and Freedom Blvd. matching the existing roadway conditions. The layout can be found in the Appendix.

2040 Intersection Queues. Table 11 identifies peak period queues for the Year 2040 base condition. Under 2040 conditions five locations will exceed the available storage. It is expected that where the queue is less than 25 feet a vehicle is likely able to queue in the left turn taper. This is projected to occur at one intersection. Queues within the shopping centers were not included.

TABLE 10
CUMULATIVE (2040) PEAK HOUR LEVELS OF SERVICE AT INTERSECTIONS

Location	Control	AM Peak Hour		PM Peak Hour		Noon Peak Hour		Traffic Signal Warranted?
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay	
1. Main Street / Green Valley Road	Signal (Caltrans)	**D**	**36.4**	**D**	**44.6**	C	30.7	N/A
2. Main Street / Watsonville Square Shopping Center	Signal (Caltrans)	A	8.5	B	12.0	B	15.2	N/A
3. Main Street / Ohlone Parkway – Clifford Drive	Signal (Caltrans)	C	26.4	C	32.0	C	25.8	N/A
4. Main Street / Pennsylvania Drive	Signal (Caltrans)	B	14.3	C	24.0	B	15.3	N/A
5. Main Street / Auto Center Drive – East Project Access	Signal (Caltrans)	B	15.8	C	32.1	B	18.2	N/A
6. Main Street / Rodriguez Street	Signal (Caltrans)	B	15.2	C	29.1	B	13.6	N/A
7. Main Street / Freedom Blvd – Western Drive	Signal [Roundabout] (Caltrans)	C [A]	23.8 [8.1]	C [B]	29.1 [15.8]	C [B]	21.5 [10.2]	N/A

Bold indicates intersection operates below threshold

TABLE 11
CUMULATIVE (2040) PEAK HOUR QUEUES
AT SIGNALIZED INTERSECTIONS

Location	Length*	AM Peak Hour Queue (feet)	PM Peak Hour Queue (feet)	Noon Peak Hour Queue (feet)
1. Main Street / Green Valley Drive				
NB left turn (2x280') †	280	210	274	148
SB through-left turn	---	273	275	220
EB left turn (2x275')	275	163	334	76
WB left turn (2x285')	285	135	210	93
2. Main Street / Watsonville Square Shopping Center				
NB through-left turn (120')	120	50	85	60
SB through-left turn (65') ‡	65	109	195	127
EB left turn (250')	250	107	157	108
WB left turn (260')	260	74	107	103
3. Main Street / Ohlone Parkway – Clifford Drive				
NB left turn (2x125') ◊	125	123	142	109
SB through-left turn	---	395	372	271
EB left turn (500')	500	198	249	167
WB left turn (265')	265	120	142	81
4. Main Street / Pennsylvania Drive				
NB (175')	175	32	69	49
SB left turn (245')	245	111	112	89
EB left turn (2215')	215	128	210	152
WB left turn (200')	200	35	127	57
5. Main Street / Auto Center Dr				
SB through-left turn	---	333	482	309
EB left turn (225')	225	239	251	178
WB left turn (200')	200	0	0	0
6. Main Street / Rodriguez St				
NB left turn (185')	185	216	209	165
WB left turn (165')	165	104	162	86
7. Main Street / Freedom Blvd				
NB left turn (2x210') †	210	201 [56]	290 [158]	188 [79]
SB	---	103 [16]	125 [19]	66 [12]
EB through-left turn (300')	300	183 [51]	270 [274]	193 [113]
WB left turn (315') †	315	237 [32]	268 [63]	203 [44]

Highlighted values indicate queue length in excess of available storage
* - longest lane for multiple turn lane approaches
† - outside lane is a through-left lane; shortest queue shown
◊ - outside lane is a trap lane from the approach; shortest queue shown
‡ - lane length to shopping center internal aisle
--- - approach lane
[xx] – queues on roundabout approaches

Cumulative (2040) Plus Project

As noted under the Existing plus Project scenario, the project includes the following modifications to the Main Street / Auto Center Drive / project access intersection:

- Modification of the existing signal from the existing permitted phasing along Auto Center Drive / project access approaches to an eight-phase signal with protected left turns along all approaches;

- Restriping of Auto Center Drive to include a left turn lane and a through-right lane.

- Inclusion of a left turn lane and a through-right lane along the project driveway approach.

These modifications will require review and approval from Caltrans.

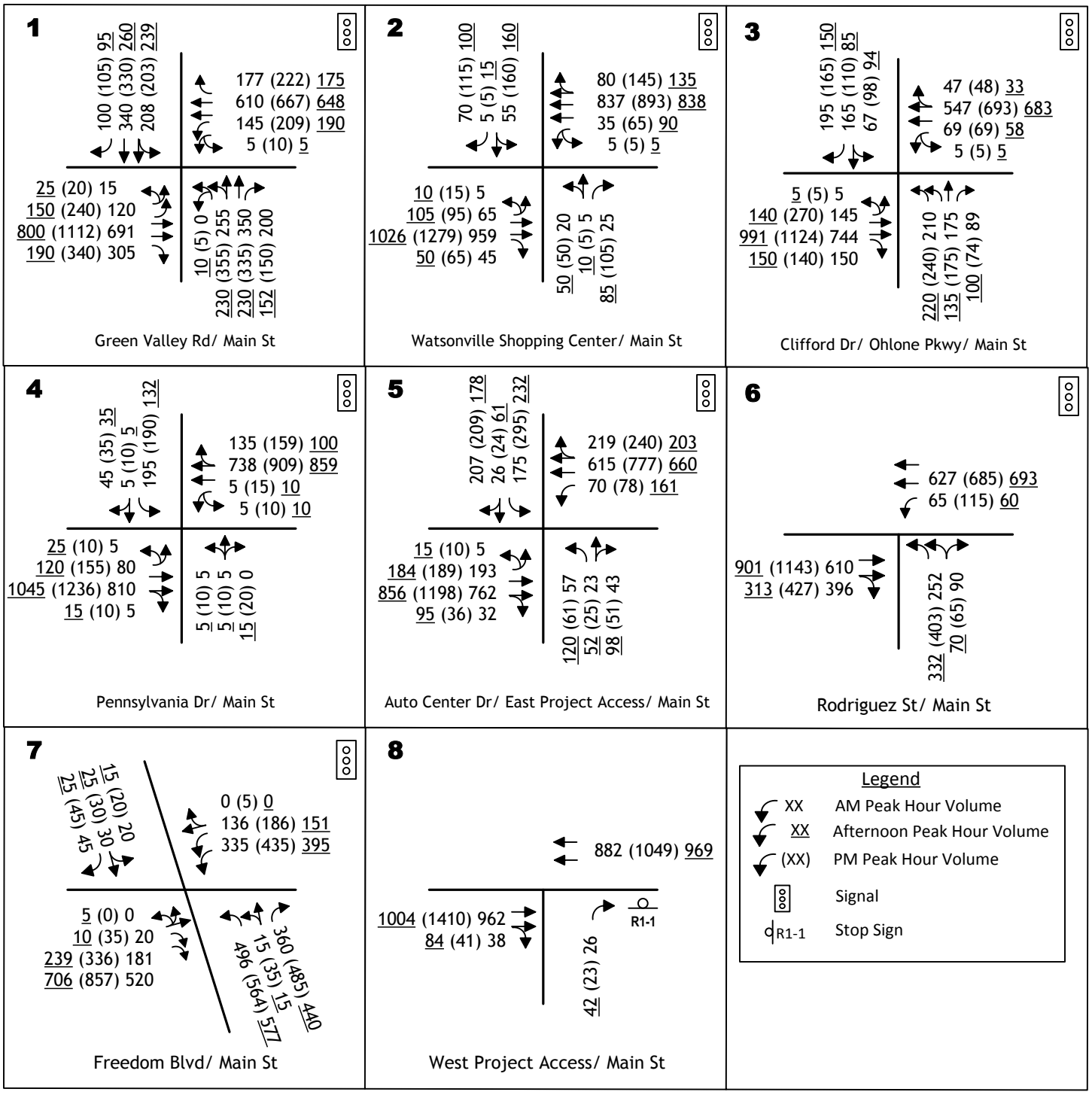
Intersection Levels of Service. As noted under the 2040 No Project scenario the signal timing was optimized along the Main Street corridor. These timing parameters were maintained under the 'Plus Project' conditions. The Year 2040 plus Project volumes were used to recalculate operating Levels of Service at the study intersections. As identified in the Level of Service Methodology section, simulation analyses may result in some intersections having lower delays in the Plus Project scenario than in the No Project scenario. This is a normal occurrence and it is not unexpected that delays could improve at one intersection while increasing at other intersections.

Figure 9 presents the 2040 Plus Project traffic volumes at each study intersection in the a.m., p.m. and mid-day peak hours. Table 12 compares the Cumulative and Cumulative Plus Project peak hour Levels of Service for each study intersection. The Main Street / Green Valley Road intersection will operate at LOS D (35.5 spv) in the a.m. peak hour and LOS D (46.0 spv) in the p.m. peak hour. The a.m. delay is within 0.1 spv of the delay under 'No Project' conditions and is not considered a significant impact. The p.m. delay is greater than 0.1 spv of the delay under 'No Project' conditions and is considered a significant impact.

The Main Street / Freedom Blvd intersection will operate at LOS C under the signalized condition. With a roundabout matching existing roadway conditions, the intersection will operate at LOS B conditions. Based on a request from City staff the roundabout was also analyzed to determine a reduced lane configuration alternative that would operate acceptably. Table 12 also presents a reduced lane configuration that includes a single lane approach along Freedom Blvd. This layout would result in a worst-case LOS C in the p.m. peak hour.

Traffic Signal Warrants. 2040 Plus Project traffic volumes at the unsignalized west driveway was compared to peak hour warrant requirements to determine whether a traffic signal could be warranted. The intersection will not meet any portion of the peak hour warrant.

Intersection Queues. Table 13 identifies peak period queues assuming the addition of project trips. Project trips and the SimTraffic software may change the length of some queues. Those 95th percentile queues with lengths exceeding the available storage have been highlighted. Under 2040 Plus Project conditions five locations will exceed the available storage. It is expected that where the queue is less than 25 feet a vehicle is likely able to queue in the left turn taper. This is projected to occur at two locations. Queues within the shopping centers were not included.



SITE DEVELOPMENT
2040 PLUS PROJECT
TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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0061-01 RA 8/1/2019

figure 9

TABLE 12
PEAK HOUR INTERSECTION LEVELS OF SERVICE
CUMULATIVE (2040) PLUS PROJECT CONDITIONS

Intersection	Control	Cumulative Weekday AM Peak Hour		Cum'l + Proj Weekday AM Peak Hour		Cumulative Weekday PM Peak Hour		Cum'l + Proj Weekday PM Peak Hour		Cumulative Weekday Noon Peak Hour		Cum'l + Proj Weekday Noon Peak Hour		Traffic Signal Warrants Satisfied?
		LOS	Average Delay (veh/sec)	LOS	Average Delay (veh/sec)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	
1. Main Street / Green Valley Road	Signal (Caltrans)	**D**	**36.4**	**D**	**35.5**	**D**	**44.6**	**D**	**46.0**	C	30.7	C	31.2	N/A
2. Main Street / Watsonville Square Shopping Center	Signal (Caltrans)	A	8.5	A	9.6	B	12.0	B	14.7	B	15.2	B	15.8	N/A
3. Main Street / Ohlone Parkway – Clifford Drive	Signal (Caltrans)	C	26.4	C	30.2	C	32.0	C	31.5	C	25.8	C	26.9	N/A
4. Main Street / Pennsylvania Drive	Signal (Caltrans)	B	14.3	B	12.4	C	24.0	B	16.5	B	15.3	B	14.5	N/A
5. Main Street / Auto Center Drive – East Project Access	Signal (Caltrans)	B	15.8	C	20.2	C	32.1	C	24.6	B	18.2	C	27.3	N/A
6. Main Street / Rodriguez Street	Signal (Caltrans)	B	15.2	B	16.0	C	29.1	C	22.3	B	13.6	B	14.3	N/A
7. Main Street / Freedom Blvd – Western Drive	Signal (Caltrans)	C <A>	23.8 <8.1>	C <A> [A]	23.4 <8.4> [9.6]	C <B>	29.1 <15.8>	C <B> [C]	30.3 <16.9> [21.7]	C <B>	21.5 <10.2>	C <B> [B]	23.1 <11.1> [13.5]	N/A
8. Main Street / West Project Access NB Right	NB Stop (Caltrans)	No observed driveway traffic		A	7.9	No observed driveway traffic		C	24.9	No observed driveway traffic		B	10.6	No

Bold indicates intersection operates below threshold but within 0.1 seconds of delay to No Project condition
Bold indicates intersection operates with significant impact
<XX> – roundabout analysis with existing approach lane configuration
[XX] – roundabout analysis with single lane approach along Freedom Blvd (reduced lane configuration at request of City)

TABLE 13
CUMULATIVE (2040) PLUS PROJECT CONDITIONS
QUEUES AT SIGNALIZED INTERSECTIONS

Location	Length*	AM Peak Hour Queue (feet)	PM Peak Hour Queue (feet)	Noon Peak Hour Queue (feet)
1. Main Street / Green Valley Drive				
NB left turn (2x280') †	280	202	282	146
SB through-left turn	---	288	287	219
EB left turn (2x275')	275	163	335	172
WB left turn (2x285')	285	137	197	120
2. Main Street / Watsonville Square Shopping Center				
NB through-left turn (120')	120	57	80	60
SB through-left turn (65') ‡	65	92	195	130
EB left turn (250')	250	134	132	99
WB left turn (260')	260	79	106	114
3. Main Street / Ohlone Parkway – Clifford Drive				
NB left turn (2x125') ◊	125	130	141	109
SB through-left turn	---	405	411	260
EB left turn (500')	230	197	280	186
WB left turn (265')	265	117	124	92
4. Main Street / Pennsylvania Drive				
NB (175')	175	34	65	46
SB left turn (245')	245	115	114	93
EB left turn (2215')	215	117	213	138
WB left turn (200')	200	36	56	45
5. Main Street / Auto Center Dr				
SB left turn	---	212	249	239
EB left turn (225')	225	221	216	209
WB left turn (200')	200	118	116	195
NB left turn (100')	100	101	88	132
6. Main Street / Rodriguez St				
NB left turn (185')	185	215	214	145
WB left turn (165')	165	116	165	85
7. Main Street / Freedom Blvd				
NB left turn (2x210') †	210	228 (59) [59]	334 (173) [173]	201 (105) [105]
SB left-through	---	106 (16) [16]	108 (19) [19]	71 (12) [12]
EB through-left turn (300')	300	200 (57) [57]	199 (314) [314]	204 (131) [132]
WB left turn (315') †	315	218 (33) [132]	245 (68) [406]	244 (50) [226]

Highlighted values indicate queue length in excess of available storage

Highlighted values indicate queue length in excess of available storage and exceeds No Project conditions

* - longest lane for multiple turn lane approaches

† - outside lane is a through-left lane; shortest queue shown

◊ - outside lane is a trap lane from the approach; shortest queue shown

‡ - lane length to shopping center internal aisle

--- - approach lane

(xx) – queues on roundabout approaches (existing lane approaches)

[xx] – queues on roundabout approaches (single lane approach – Freedom Blvd]

ON-SITE TRANSPORTATION REVIEW

An on-site review of the facilities was conducted as requested by the City.

Site Circulation. The project consists of three buildings, all situated on the north side of the site, adjacent to Main Street. Building 1 will be located along the west side of the site west of the west driveway. Building 2 is located along Main Street between the two driveways while Building 3 is located along the east side of the site, east of the Auto Center Drive intersection.

The three buildings are projected to have the following uses:

Building 1 – 2,800 square feet fast food restaurant with drive-through

Building 2 – 7,300 square feet fast casual restaurants
2,300 square feet retail uses

Building 3 – 2,200 square feet coffee shop with drive-through
1,400 square feet fast casual restaurants
4,000 square feet retail uses

The site will have two access driveways along Main Street, both of which already exist. It is expected that the driveways will be reconstructed to current City standards. The east driveway, located between Buildings 2 and 3, serves as the south leg of the Main Street / Auto Center Drive intersection. Currently, a single lane exists with permitted signal phasing concurrent with southbound Auto Center Drive. It is expected that signal modifications will be implemented at the intersection to provide protected left turns for Auto Center Drive and driveway traffic as well as to reduce conflicts for pedestrians crossing Main Street. The west driveway, located between Buildings 1 and 2, provides right-in, right-out access and will continue to do so with the project; the west driveway is about 250 feet upstream of the Auto Center Drive intersection. Parking for the site will be provided on the back side of the site. The site has a triangular shape, with both driveways / drive aisles meeting near the south side of the parcel; a short drive aisle connects them.

Building 1 is the proposed fast food restaurant with drive-through window location. The applicant has stated that a Chipotle restaurant with drive-through window is slated to occupy the space. Chipotle is considered a "fast-casual" restaurant with the restaurant opening at 10:45 a.m. The drive-through window serves only customers who pre-order; no orders are accepted at the drive-through window. Access to the drive-through is about 60 feet south of Main Street along the west driveway. The drive-through lane is about 180 feet long and provides nine spaces. Based on a site study conducted by KD Anderson & Associates which included a Starbucks drive-through lane and Burger King drive-through lane the fast food restaurant lane was shown to have a maximum of six vehicles during any of the three peak periods. Because Chipotle's drive-through lane is for order pick-up only, fewer delays occur as all orders have been pre-paid and are waiting for pickup. Thus, the drive-through lane should be adequate for the Chipotle use.

However, were the space to convert to a typical fast food restaurant the drive-through lane would provide four spaces between the menu order board and the pick-up window and five spaces behind the menu order board. One concern of the site's location is that additional vehicles could block the inbound lane of the west driveway. A review of other agencies indicates that between eight and 12 spaces should be provided for queuing. Requirements and standards from other agencies can be found in the appendix. It is recommended that a queue study be conducted should the drive-through lane be modified to allow ordering to confirm that the proposed nine length queue would be adequate for the different use.

Building 3 is located east of the main driveway at Auto Center Drive. This building includes a coffee shop with drive-through window and retail shops. The drive-through entrance is located on the south side of the building with the drive through lane long enough to accommodate four spaces behind the pick-up window and nine spaces between the menu board and the internal drive aisle. Queues that spill back beyond the drive-through entrance would queue within the site. The drive-through exit will be located about 60 feet from the intersection. During the a.m. peak hour the drive-through lane is expected to be used frequently. Outbound vehicles should be able to exit the site as the remaining uses will not have yet opened. As noted earlier, KD Anderson & Associates prepared a study for a Starbucks location that analyzed the length of coffee shop drive-through queues. A second study prepared by the University of Washington ITE Student Chapter was also reviewed. Both analyses show that the queue in the drive-through lane for coffee shops are high in the a.m. peak hour and decline throughout the remainder of the day. The highest observed queues were ten vehicles in the a.m. peak hour with noon and p.m. peak hours declining to fewer than four vehicles. The drive-through lane entrance is located at the west side of Building 3 and allows any overflow, were it to occur, to queue in the parking aisles, away from Main Street. The 13 spaces should accommodate the drive-through traffic.

Parking and Drive-Through Requirements. The drive aisles are laid out from Main Street back to the south side of the property. Parking aisles are generally laid out perpendicular to these main drive aisles although the site layout also includes parking spaces along the main drive aisles towards the Main Street side of the site.

City of Watsonville parking requirements were reviewed to determine the parking based on the zoning code and requirements relative to projected parking demand. Parking requirements were developed based on Sections 14-17.801(d) and 14-17.801(i) of the City's Municipal Code. In addition, per section 14-17.108, 85% of the gross square floor area is used to determine parking requirements for commercial spaces. Table 14 displays the parking space requirements for each use type and the projected parking needs for the project. Based on the zoning code 134 stalls are required. Per Resolution 329-80, the City also allows 25% of the required parking to be accounted for in the drive-through lanes. After accounting for drive-through lane "parking", the site needs to provide 122 parking stalls; however, the applicant proposes 143 parking spaces excluding drive-through lane parking.

TABLE 14
PARKING REQUIREMENTS PER ZONING CODE

Use Type	Parking Space Requirement	Size	Adjusted Rate (85% GSFA)	Excess of 5,000 sf	Parking Required
General Retail	10 spaces for first 5,000 sf + 1 stall per 250 sf thereafter	6,300 sf	5,355 sf	355 sf	12
Restaurant with drive-through	1 per 100 sf	2,800 sf	2,380 sf	-	24
Coffee Shop with drive-through	1 per 100 sf	2,800 sf	2,380 sf	-	24
Fast Casual Restaurants	1 per 100 sf	8,700 sf	7,395 sf	-	74
				Total Stalls Required	**134**
Restaurant with drive-through	25% reduction for drive-through lane				(6)
Coffee Shop with drive-through	25% reduction for drive-through lane				(6)
				Net Stalls Required with Drive-Through Lanes	**122**

FINDINGS / RECOMMENDATIONS / MITIGATIONS

The preceding analysis has identified project impacts that may occur without mitigation. The text that follows identifies a strategy for mitigating the impacts of the proposed project. Recommendations are identified for facilities that have deficiencies in the roadway network without the project. If the project causes a significant impact, mitigations are identified for the facility.

Existing Conditions

Intersections

All intersections, except the Main Street / Green Valley Drive intersection and the Main Street / Ohlone Parkway – Clifford Drive intersection operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection operates at LOS D with delays of 39.0 spv in the a.m. peak hour and 50.4 spv in the p.m. peak hour. The Main Street / Ohlone Parkway – Clifford Drive intersection operates at LOS D with delays of 36.0 spv in the a.m. peak hour, 54.1 spv in the p.m. peak hour and 35.9 spv in the noon peak hour.

Queues

Under current conditions seven movements have queues that exceed the available storage. These include:

Main Street / Green Valley Drive
- NB left
- EB left

Main Street / Ohlone Parkway – Clifford Drive
- SB through-left

Main Street / Pennsylvania Drive
- EB left

Main Street / Auto Center Drive
- EB left

Main Street / Freedom Blvd
- NB left
- EB through-left

Existing Plus Project Conditions - Mitigations

Intersections

All intersections, except the Main Street / Green Valley Drive intersection and the Main Street / Ohlone Parkway – Clifford Drive intersection operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection will operate at LOS D (38.8 spv) in the a.m. peak hour and LOS E (52.8 spv) in the p.m. peak hour. The a.m. condition is within 0.1 seconds of the pre-project condition and is not considered a significant impact. The Main Street / Ohlone Parkway – Clifford Drive intersection will operate at LOS D (39.1 spv) in the a.m. peak hour and LOS E (55.0 spv) in the p.m. peak hour. These exceed the 0.1 spv threshold for intersections currently operating below the minimum and are considered significant impacts.

The following mitigations are noted:

- The project shall contribute its fair share to the cost of regional circulation improvements via the existing Citywide traffic impact mitigation (TIM) fee program.

- The signal system along Main Street should be retimed to reach acceptable levels of service. The following changes should be considered:

    - During the a.m. peak hour, the signal system along Main Street should be modified to a 110 second cycle between Green Valley Road and Ohlone Parkway – Clifford Drive with a half cycle at the Watsonville Square intersection. The segment from Pennsylvania Drive to Freedom Blvd should be modified to a 116 second cycle with a half cycle at Rodriguez Street.

    - During the p.m. peak hour, the signal system along Main Street should be modified from the current 135 second cycle between Green Valley Road and Ohlone Parkway – Clifford Drive and 120 second cycle from Pennsylvania Drive to Freedom Blvd. The proposed signal cycle length would be 116 seconds for the entire network.

    - An eastbound to southbound right turn overlap should be installed at the Main Street / Ohlone Parkway – Clifford Drive intersection. This is consistent with the Sunshine Vista Phased Development Project FEIR, May 2018.

  With implementation of these new timing plans all intersections will operate better or within 0.1 seconds of delay of the pre-project conditions as identified below:

    - Main Street / Green Valley Drive: This intersection will operate with delays of 33.7 spv in the a.m. peak hour and 46.8 spv in the p.m. peak hour. These delays are within the LOS threshold mitigation parameters of the pre-project conditions.

    - Main Street / Ohlone Parkway – Clifford Drive: This intersection will operate with delays of 35.7 spv in the a.m. peak hour and 46.8 spv in the p.m. peak hour. These delays are within the LOS threshold mitigation parameters of the pre-project conditions.

- The project should construct the following improvements at the Main Street / Auto Center Drive / Project intersection:

    - Modify the traffic signal to include projected left turn movements along Auto Center Drive and the project access. This was previously noted as part of the project.

    - Modify the southbound Auto Center Drive striping to include a left turn lane and a through-right lane. This was previously noted as part of the project.

  These modifications will require Caltrans review and approval.

Queues

Under Existing plus Project conditions seven movements have queues that exceed the available storage. These include:

Main Street / Green Valley Drive
- NB left
- EB left

Main Street / Ohlone Parkway – Clifford Drive
- NB left

Main Street / Pennsylvania Drive
- EB left

Main Street / Auto Center Drive
- NB left
- EB left

Main Street / Freedom Blvd
- NB left

2040 Conditions - Recommendations

Intersections

All intersections except the Main Street / Green Valley Road intersection will operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Road intersection will operate at Level of Service D in the a.m. peak hour (36.4 spv) and p.m. peak hour (44.6 spv).

Queues

Under 2040 conditions five movements have queues that will exceed the available storage. These include:

Main Street / Green Valley Drive
- EB left

Main Street / Ohlone Parkway – Clifford Dr
- NB left

Main Street / Auto Center Drive
- EB left

Main Street / Rodriguez Street
- NB left

Main Street / Freedom Blvd
- NB left

2040 plus Project Conditions - Mitigations

Intersections

Under 2040 plus Project conditions, all intersections except the Main Street / Green Valley Road intersection will operate within acceptable LOS thresholds, at LOS C or better. The Main Street / Green Valley Drive intersection will operate at LOS D (35.5 spv) in the a.m. peak hour and

LOS D (46.0 spv) in the p.m. peak hour. The a.m. scenario is within 0.1 seconds of the pre-project condition and is not considered a significant impact while the p.m. peak hour exceeds the 0.1 spv threshold and is considered a significant impact. The following geometry changes should be considered:

Main Street / Green Valley Drive

- northbound approach
  - two left turn lanes
  - one through lane
  - one right turn lane
- southbound approach
  - one left turn lane
  - one through lane
  - one right turn lane

Additionally, the signal phasing should be modified from split phase to protected left turns along Green Valley Road. The intersection is part of a coordinated system along Main Street and the corridor should be retimed to a 110 second cycle as a result of the geometry modifications. The intersection will improve to LOS D with a delay of 43.6 spv.

Queues

Under 2040 plus Project conditions five movements have queues that will exceed the available storage. These include:

Main Street / Green Valley Drive
- NB left
- EB left

Main Street / Ohlone Parkway – Clifford Drive
- NB through-left

Main Street / Rodriguez Street
- NB left

Main Street / Freedom Blvd
- NB left

Three of the movements, northbound left at the Main Street / Green Valley Drive intersection, northbound left at the Main Street / Ohlone Parkway – Clifford Drive intersection and northbound left at the Main Street / Rodriguez Street intersection will not exceed the Cumulative No Project queues. These are not considered significant impacts.

The eastbound left turn lane queue at the Main Street / Green Valley Drive intersection will exceed the available left turn storage under Cumulative and Cumulative No Project conditions during the p.m. peak hour. The project should contribute its fair share to lengthen this turn pocket. The Caltrans fair share methodology was used to develop a fair share percentage contribution. The fair share percentage is the project trips divided by the difference in Cumulative plus Project volumes less Existing volumes. Calculation of the fair share percentage in this time period was not feasible as the traffic in the intersection is projected to decline based

on AMBAG traffic projections. An alternative was considered that utilized the three peak periods studied. However, the overall traffic for the three peak hour periods again shows an overall decline in traffic between existing and cumulative plus project periods, making a fair share calculation infeasible.

The northbound left turn lane queue at the Main Street / Freedom Blvd intersection will exceed the available left turn storage under Cumulative and Cumulative No Project conditions during the p.m. peak hour. However, as previously discussed, the SCCRTP and SR 152 TCR identify this intersection to be modified to a roundabout. Under roundabout conditions, the northbound queue along Main Street will be 300' under LOS B conditions. SCCRTP identifies the roundabout project *could* be funded. Assuming the intersection remains signalized, and using the fair share methodology, the project would be responsible for 19.2% of the cost to lengthen the left turn storage lane.

REFERENCES

1. Transportation Research Board, *Highway Capacity Manual*, 2010
2. Caltrans *Highway Design Manual*, 2016
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4. Institute of Transportation Engineers. 2012. *Trip Generation*, 9th Edition. Washington, D.C.
5. Telephone and E-mail correspondence, Justin Meek, Principal Planner, City of Watsonville, January 2019 through May 2019
6. Telephone and E-mail correspondence, Maria Esther Rodriguez, Assistant Director / City Engineer, City of Watsonville, April 2019 through May 2019
7. E-mail correspondence, Justin Meek, Principal Planner, City of Watsonville, January 2019 through May 2019
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9. E-mail correspondence, Bhupendra Patel, Director of Modeling, AMBAG, January 2019
10. *Sunshine Vista Phased Development Project FEIR*. May 2018
11. *Trip Generation Handbook*, Institute of Transportation Engineers, 3rd Edition, 2017
12. *Transportation Concept Report State Route 152*, Caltrans District 5, June 2017
13. *2018 RTIP*, Santa Cruz County Regional Transportation Commission, December 2017
14. National Cooperative Highway Research Program (NCHRP) Report 255, *Highway Traffic Data for Urbanized Area Project Planning and Design*, December 1982
15. Caltrans *SR 152 Transportation Concept Report*, June 2017
16. City of Watsonville, *Trails & Bicycle Master Plan*, November 2012
17. *Starbucks Site Assessment*, KD Anderson & Associates, Inc. 2013
18. *ITE Data Collection Project – Starbucks Coffee*, University of Washington ITE Student Chapter, 2015

APPENDICES
(under separate cover)

TECHNICAL APPENDIX

FOR

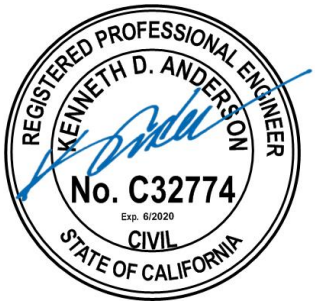
BTS – MAIN STREET AND AUTO CENTER DRIVE RETAIL CENTER
975 Main Street
Watsonville, CA

Prepared For:

975 MAIN STREET ASSOCIATES, LLC
400 Beach Street
Santa Cruz, CA 95060

Prepared By:

KD Anderson & Associates, Inc.
3853 Taylor Road, Suite G
Loomis, CA 95650
(916) 660-1555



August 20, 2019

Prepared by National Data & Surveying Services

Green Valley Rd & Main St

Peak Hour Turning Movement Count

ID: 19-08027-001
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Green Valley Rd — SOUTHBOUND

AM	127	433	225	0	860	AM
NOON	0	0	0	0	0	NOON
PM	132	426	220	0	1049	PM

Main St — EASTBOUND

AM	NOON	PM	
930	0	1080	⇦
14	0	19	↰ 0
172	0	323	↑ 0
551	0	896	→ 0
280	0	317	↱ 0
AM	NOON	PM	

WESTBOUND — Main St

PM	NOON	AM	
279	0	223	0 ↰
600	0	555	0 ←
190	0	129	0 ↱
8	0	1	0 ↓
1244	0	930	⇨
PM	NOON	AM	

CONTROL

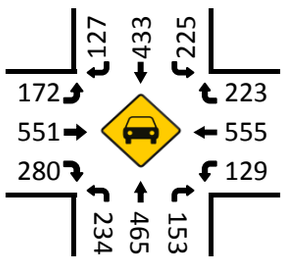
0

TEV	3562	0	4312
	AM	NOON	PM
PHF	0.95		0.96

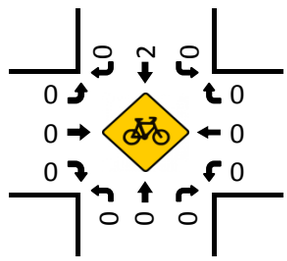
Green Valley Rd — NORTHBOUND

PM	939	6	329	447	120	PM
NOON	0	0	0	0	0	NOON
AM	842	0	234	465	153	AM

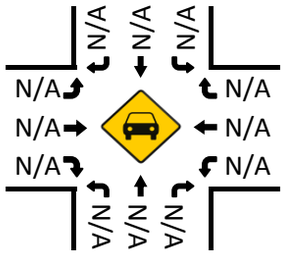
Total Vehicles (AM)



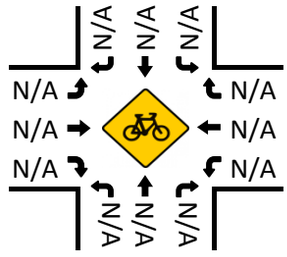
Bikes (AM)



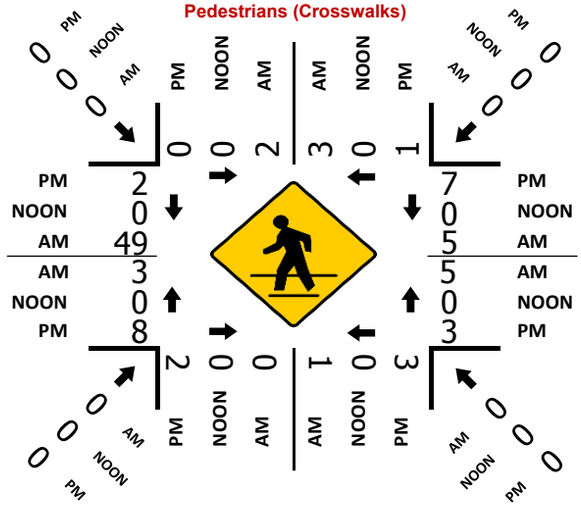
Total Vehicles (Noon)



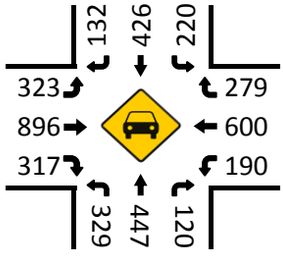
Bikes (NOON)



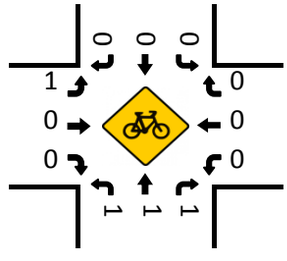
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville
Control:

Project ID: 19-08027-001
Date: 1/24/2019

Total

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	60	41	20	0	22	89	38	0	27	91	58	2	12	194	19	0	673
7:15 AM	65	82	21	0	30	157	44	0	26	116	90	2	47	139	32	0	851
7:30 AM	42	124	39	0	56	128	32	0	40	127	58	3	39	155	41	0	884
7:45 AM	70	147	52	0	80	64	21	0	53	171	54	3	21	118	84	0	938
8:00 AM	57	112	41	0	59	84	30	0	53	137	78	6	22	143	66	1	889
8:15 AM	39	66	17	0	50	98	18	0	57	117	57	1	21	129	44	0	714
8:30 AM	18	65	22	0	30	57	27	0	30	127	62	3	22	113	51	0	627
8:45 AM	28	83	14	0	45	76	22	0	47	131	42	4	17	113	36	1	659
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	379	720	226	0	372	753	232	0	333	1017	499	24	201	1104	373	2	6235
APPROACH %'s :	28.60%	54.34%	17.06%	0.00%	27.41%	55.49%	17.10%	0.00%	17.78%	54.30%	26.64%	1.28%	11.96%	65.71%	22.20%	0.12%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	234	465	153	0	225	433	127	0	172	551	280	14	129	555	223	1	3562
PEAK HR FACTOR :	0.836	0.791	0.736	0.000	0.703	0.689	0.722	0.000	0.811	0.806	0.778	0.583	0.686	0.895	0.664	0.250	0.949
	0.792				0.850				0.905				0.966				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	66	104	26	1	51	92	32	0	78	228	67	2	32	130	53	2	964
4:15 PM	56	95	42	2	60	81	29	0	67	183	43	5	38	146	58	8	913
4:30 PM	82	122	34	1	52	92	24	0	67	240	75	0	41	123	60	2	1015
4:45 PM	59	92	26	1	59	120	33	0	82	253	77	3	48	122	64	1	1040
5:00 PM	97	138	27	1	46	107	34	0	70	203	84	5	53	144	85	4	1098
5:15 PM	88	108	38	2	59	97	40	0	92	217	81	9	51	184	59	2	1127
5:30 PM	85	109	29	2	56	102	25	0	79	223	75	2	38	150	71	1	1047
5:45 PM	53	68	30	2	69	92	24	0	75	196	79	1	50	121	57	3	920
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	586	836	252	12	452	783	241	0	610	1743	581	27	351	1120	507	23	8124
APPROACH %'s :	34.76%	49.58%	14.95%	0.71%	30.62%	53.05%	16.33%	0.00%	20.60%	58.87%	19.62%	0.91%	17.54%	55.97%	25.34%	1.15%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	329	447	120	6	220	426	132	0	323	896	317	19	190	600	279	8	4312
PEAK HR FACTOR :	0.848	0.810	0.789	0.750	0.932	0.888	0.825	0.000	0.878	0.885	0.943	0.528	0.896	0.815	0.821	0.500	0.957
	0.857				0.917				0.937				0.910				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-001
Date: 1/24/2019

Bikes

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	2	0	0	0	2	0	0	0	0	1	0	0	0	0	0	5
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%					
PEAK HR :	**07:15 AM - 08:15 AM**																TOTAL
PEAK HR VOL :	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
						0.500											

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	3
5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	5
APPROACH %'s :	50.00%	25.00%	25.00%	0.00%					100.00%	0.00%	0.00%	0.00%					
PEAK HR :	**04:45 PM - 05:45 PM**																TOTAL
PEAK HR VOL :	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4
PEAK HR FACTOR :	0.25	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333
		0.375								0.250							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville

Project ID: 19-08027-001
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Green Valley Rd		Green Valley Rd		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	2	0	4	6
7:15 AM	1	0	0	0	1	1	0	7	10
7:30 AM	0	2	0	0	1	2	0	23	28
7:45 AM	0	1	0	0	2	1	2	18	24
8:00 AM	1	0	0	1	1	1	1	1	6
8:15 AM	0	0	0	0	1	0	0	1	2
8:30 AM	2	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	0	0	1	0	1
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	4	3	0	1	6	7	4	54	79
APPROACH %'s :	57.14%	42.86%	0.00%	100.00%	46.15%	53.85%	6.90%	93.10%	
PEAK HR :	**07:15 AM - 08:15 AM**								TOTAL
PEAK HR VOL :	2	3	0	1	5	5	3	49	68
PEAK HR FACTOR :	0.500	0.375		0.250	0.625	0.625	0.375	0.533	0.607
	0.625		0.250		0.833		0.565		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	1	0	1	0	1	3
4:15 PM	2	0	0	1	1	1	2	0	7
4:30 PM	2	0	1	0	5	0	3	0	11
4:45 PM	0	0	0	1	0	1	0	1	3
5:00 PM	0	0	1	1	1	4	0	0	7
5:15 PM	0	0	1	0	1	0	6	0	8
5:30 PM	0	1	0	1	1	2	2	1	8
5:45 PM	0	0	2	1	0	0	2	1	6
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	4	1	5	6	9	9	15	4	53
APPROACH %'s :	80.00%	20.00%	45.45%	54.55%	50.00%	50.00%	78.95%	21.05%	
PEAK HR :	**04:45 PM - 05:45 PM**								TOTAL
PEAK HR VOL :	0	1	2	3	3	7	8	2	26
PEAK HR FACTOR :		0.250	0.500	0.750	0.750	0.438	0.333	0.500	0.813
	0.250		0.625		0.500		0.417		

Prepared by National Data & Surveying Services

Watsonville Square Shopping Center & Main St

Peak Hour Turning Movement Count

ID: 19-08027-002
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS	
AM	07:30 AM - 08:30 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS	
AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

SOUTHBOUND – Watsonville Square Shopping Center

	Right	Thru	Left	U-Turn	Total (approach)
AM	51	3	59	0	135
NOON	0	0	0	0	0
PM	91	5	159	0	223
(red)	0	0	0	0	

EASTBOUND – Main St

	AM	NOON	PM	(red)
Total (departing)	884	0	1018	
U-Turn	1	0	14	0
Left	46	0	67	0
Thru	842	0	1130	0
Right	32	0	50	0

WESTBOUND – Main St

	PM	NOON	AM	(red)
Right	151	0	87	0
Thru	876	0	816	0
Left	73	0	47	0
U-Turn	0	0	0	0
Total (departing)	1393	0	929	

NORTHBOUND – Watsonville Square Shopping Center

	Total (departing)	U-Turn	Left	Thru	Right
(red)		0	0	0	0
PM	128	0	37	5	104
NOON	0	0	0	0	0
AM	82	0	16	2	28

CONTROL

0

	AM	NOON	PM
TEV	2030	0	2762
PHF	0.87		0.95

Total Vehicles (AM)

- SB: 51, 3, 59
- EB: 46, 842, 32
- WB: 87, 816, 47
- NB: 16, 2, 28

Total Vehicles (Noon)

- All movements: N/A

Total Vehicles (PM)

- SB: 91, 5, 159
- EB: 67, 1130, 50
- WB: 151, 876, 73
- NB: 37, 5, 104

Bikes (AM)

- SB: 0, 2, 0
- EB: 0, 0, 0
- WB: 0, 1, 1
- NB: 0, 0, 0

Bikes (NOON)

- All movements: N/A

Bikes (PM)

- SB: 0, 1, 1
- EB: 0, 1, 0
- WB: 1, 3, 0
- NB: 0, 1, 0

Pedestrians (Crosswalks)

Crosswalk	AM	NOON	PM
North leg (west side)	2	0	0
North leg (east side)	2	0	4
South leg (west side)	0	0	0
South leg (east side)	1	0	0
West leg (north side)	0	0	0
West leg (south side)	0	0	0
East leg (north side)	17	0	1
East leg (south side)	1	0	4
NW diagonal	0	0	0
NE diagonal	0	0	0
SW diagonal	0	0	0
SE diagonal	0	0	0

National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center & Main St
City: Watsonville
Control:

Project ID: 19-08027-002
Date: 1/24/2019

Total

NS/EW Streets:	Watsonville Square Shopping Center				Watsonville Square Shopping Center				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	3	0	14	0	12	2	16	0	10	118	8	1	7	223	16	0	430
7:15 AM	7	1	6	0	17	2	11	0	11	148	6	0	4	198	14	0	425
7:30 AM	2	1	6	0	14	1	18	0	8	207	6	0	10	208	26	0	507
7:45 AM	9	0	6	0	15	2	10	0	11	267	10	1	14	216	21	0	582
8:00 AM	2	0	5	0	17	0	11	0	11	221	9	0	13	202	20	0	511
8:15 AM	3	1	11	0	13	0	12	0	16	147	7	0	10	190	20	0	430
8:30 AM	12	0	15	0	19	3	6	0	11	161	6	1	11	155	20	0	420
8:45 AM	9	1	2	0	23	1	9	0	8	163	5	1	21	156	33	0	432
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	47	4	65	0	130	11	93	0	86	1432	57	4	90	1548	170	0	3737
APPROACH %'s :	40.52%	3.45%	56.03%	0.00%	55.56%	4.70%	39.74%	0.00%	5.45%	90.69%	3.61%	0.25%	4.98%	85.62%	9.40%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	16	2	28	0	59	3	51	0	46	842	32	1	47	816	87	0	2030
PEAK HR FACTOR :	0.444	0.500	0.636	0.000	0.868	0.375	0.708	0.000	0.719	0.788	0.800	0.250	0.839	0.944	0.837	0.000	0.872
	0.767				0.856				0.797				0.946				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	9	2	18	0	42	2	20	0	19	267	10	3	19	183	32	0	626
4:15 PM	10	2	22	0	56	0	24	0	21	265	7	0	19	206	38	1	671
4:30 PM	18	1	22	0	43	2	22	0	23	267	15	3	16	170	30	0	632
4:45 PM	12	2	15	0	32	1	19	0	13	309	13	1	16	190	39	0	662
5:00 PM	8	1	25	0	50	2	20	0	16	252	14	7	17	234	43	0	689
5:15 PM	7	0	33	0	49	1	25	0	18	287	11	1	19	246	33	0	730
5:30 PM	10	2	31	0	28	1	27	0	20	282	12	5	21	206	36	0	681
5:45 PM	15	5	15	0	48	8	18	0	12	283	12	5	20	171	43	0	655
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	89	15	181	0	348	17	175	0	142	2212	94	25	147	1606	294	1	5346
APPROACH %'s :	31.23%	5.26%	63.51%	0.00%	64.44%	3.15%	32.41%	0.00%	5.74%	89.45%	3.80%	1.01%	7.18%	78.42%	14.36%	0.05%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	37	5	104	0	159	5	91	0	67	1130	50	14	73	876	151	0	2762
PEAK HR FACTOR :	0.771	0.625	0.788	0.000	0.795	0.625	0.843	0.000	0.838	0.914	0.893	0.500	0.869	0.890	0.878	0.000	0.946
	0.849				0.850				0.938				0.923				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-002
Date: 1/24/2019

Bikes

NS/EW Streets:	Watsonville Square Shopping Center				Watsonville Square Shopping Center				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	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	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	2	0	0	0	1	0	0	1	1	0	0	5
APPROACH %'s :					0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	4
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	1.000
						0.500								0.500			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	4
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1	0	4
5:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	1	4	0	0	0	1	0	0	0	5	1	0	13
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	20.00%	80.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	83.33%	16.67%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	0	1	0	0	1	1	0	0	0	1	0	0	0	3	1	0	8
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.375	0.250	0.000	0.500
		0.250				0.500				0.250				0.333			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center & Main St
City: Watsonville

Project ID: 19-08027-002
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Watsonville Square Shopping Center		Watsonville Square Shopping Center		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	1
7:15 AM	0	0	0	1	0	9	0	0	10
7:30 AM	1	0	0	0	1	8	0	0	10
7:45 AM	0	1	0	1	0	9	0	0	11
8:00 AM	0	1	0	0	0	0	0	0	1
8:15 AM	1	0	0	0	0	0	0	0	1
8:30 AM	1	0	0	0	0	0	0	0	1
8:45 AM	0	2	0	0	0	0	0	0	2
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	3	4	0	2	1	27	0	0	37
APPROACH %'s :	42.86%	57.14%	0.00%	100.00%	3.57%	96.43%			
PEAK HR :	**07:30 AM - 08:30 AM**								TOTAL
PEAK HR VOL :	2	2	0	1	1	17	0	0	23
PEAK HR FACTOR :	0.500	0.500		0.250	0.250	0.472			0.523
	1.000		0.250		0.500				

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	1	0	0	1	0	0	0	2
4:15 PM	0	0	0	0	2	2	0	0	4
4:30 PM	0	0	0	0	1	0	0	0	1
4:45 PM	0	1	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	1	0	0	0	1
5:15 PM	0	1	0	0	3	1	0	0	5
5:30 PM	0	2	0	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	5	0	0	8	3	0	0	16
APPROACH %'s :	0.00%	100.00%			72.73%	27.27%			
PEAK HR :	**04:45 PM - 05:45 PM**								TOTAL
PEAK HR VOL :	0	4	0	0	4	1	0	0	9
PEAK HR FACTOR :		0.500			0.333	0.250			0.450
	0.500				0.313				

Prepared by National Data & Surveying Services

Ohlone Pkwy & Main St

Peak Hour Turning Movement Count

ID: 19-08027-003
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS		COUNT PERIODS
AM	07:15 AM - 08:15 AM	07:00 AM - 09:00 AM
NOON	NONE	NONE
PM	04:45 PM - 05:45 PM	04:00 PM - 06:00 PM

SOUTHBOUND (Ohlone Pkwy)

AM	162	271	63	0	425	AM
NOON	0	0	0	0	0	NOON
PM	142	183	103	0	572	PM

EASTBOUND (Main St)

AM	NOON	PM	
949	0	1098	
0	0	1	0
114	0	231	0
602	0	959	0
209	0	191	0
AM	NOON	PM	

WESTBOUND (Main St)

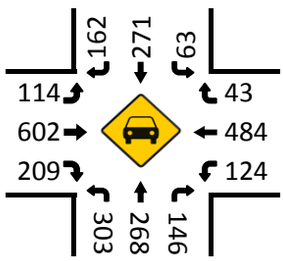
PM	NOON	AM	
48	0	43	0
625	0	484	0
127	0	124	0
1	0	1	0
1181	0	812	
PM	NOON	AM	

NORTHBOUND (Ohlone Pkwy)

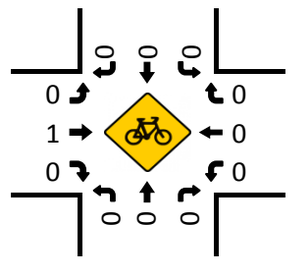
PM	501	0	330	293	118	PM
NOON	0	0	0	0	0	NOON
AM	604	0	303	268	146	AM

CONTROL			
0			
TEV	2790	0	3352
	AM	NOON	PM
PHF	0.88		0.92

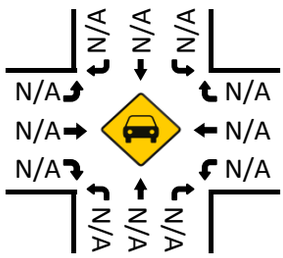
Total Vehicles (AM)



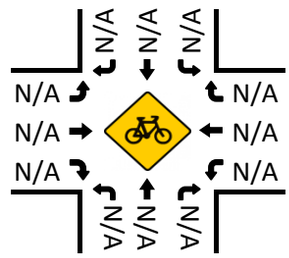
Bikes (AM)



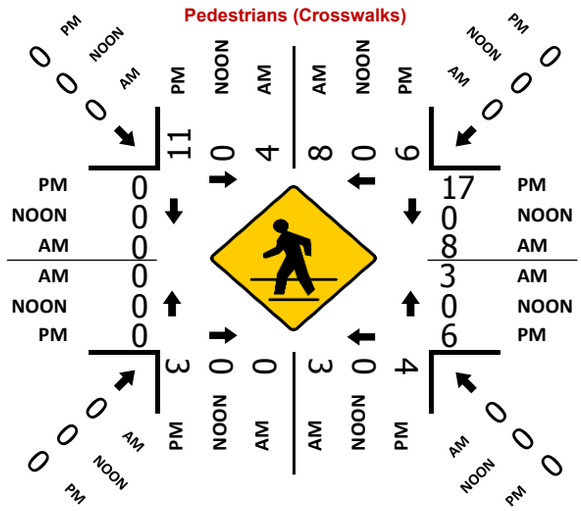
Total Vehicles (Noon)



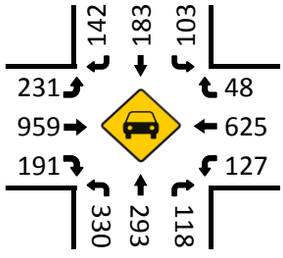
Bikes (NOON)



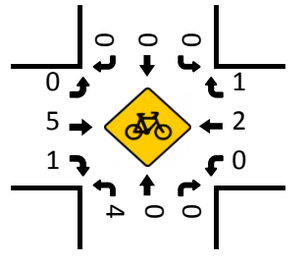
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville
Control:

Project ID: 19-08027-003
Date: 1/24/2019

Total

NS/EW Streets:	Ohlone Pkwy				Ohlone Pkwy				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	64	22	12	0	16	47	59	0	13	91	39	0	16	126	3	0	508
7:15 AM	65	48	23	0	13	77	51	0	19	117	33	0	31	106	5	0	588
7:30 AM	77	83	36	0	12	66	52	0	23	136	54	0	36	109	6	0	690
7:45 AM	90	71	47	0	23	69	30	0	38	169	79	0	29	125	19	1	790
8:00 AM	71	66	40	0	15	59	29	0	34	180	43	0	28	144	13	0	722
8:15 AM	68	63	20	0	23	31	33	0	19	118	27	0	15	109	8	0	534
8:30 AM	48	36	19	0	22	35	35	0	14	158	26	0	13	109	5	0	520
8:45 AM	63	41	13	0	17	33	38	0	22	132	29	0	11	102	7	0	508
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	546	430	210	0	141	417	327	0	182	1101	330	0	179	930	66	1	4860
APPROACH %'s :	46.04%	36.26%	17.71%	0.00%	15.93%	47.12%	36.95%	0.00%	11.28%	68.26%	20.46%	0.00%	15.22%	79.08%	5.61%	0.09%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	303	268	146	0	63	271	162	0	114	602	209	0	124	484	43	1	2790
PEAK HR FACTOR :	0.842	0.807	0.777	0.000	0.685	0.880	0.779	0.000	0.750	0.836	0.661	0.000	0.861	0.840	0.566	0.250	0.883
	0.862				0.879				0.809				0.881				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	80	80	33	0	26	19	32	0	53	232	42	0	27	120	16	0	760
4:15 PM	87	71	31	0	24	36	30	0	57	260	47	0	22	141	12	0	818
4:30 PM	68	69	22	0	24	41	38	0	41	224	40	0	28	133	11	0	739
4:45 PM	79	78	26	0	27	44	35	0	64	241	39	0	35	134	5	0	807
5:00 PM	79	76	36	0	26	45	32	0	57	258	45	1	33	167	19	1	875
5:15 PM	98	73	34	0	27	48	42	0	49	257	68	0	19	186	14	0	915
5:30 PM	74	66	22	0	23	46	33	0	61	203	39	0	40	138	10	0	755
5:45 PM	71	68	29	0	32	46	31	0	63	255	49	0	24	127	8	1	804
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	636	581	233	0	209	325	273	0	445	1930	369	1	228	1146	95	2	6473
APPROACH %'s :	43.86%	40.07%	16.07%	0.00%	25.90%	40.27%	33.83%	0.00%	16.21%	70.31%	13.44%	0.04%	15.50%	77.91%	6.46%	0.14%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	330	293	118	0	103	183	142	0	231	959	191	1	127	625	48	1	3352
PEAK HR FACTOR :	0.842	0.939	0.819	0.000	0.954	0.953	0.845	0.000	0.902	0.929	0.702	0.250	0.794	0.840	0.632	0.250	0.916
	0.904				0.915				0.924				0.910				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-003
Date: 1/24/2019

Bikes

NS/EW Streets:	Ohlone Pkwy				Ohlone Pkwy				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	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	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	3
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	5
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250
										0.250							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
4:15 PM	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
4:30 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	3
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	1	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	5
5:30 PM	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	6	1	0	0	2	0	0	0	0	5	2	0	1	3	1	0	21
APPROACH %'s :	85.71%	14.29%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	71.43%	28.57%	0.00%	20.00%	60.00%	20.00%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	4	0	0	0	0	0	0	0	0	5	1	0	0	2	1	0	13
PEAK HR FACTOR :	0.33	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.250	0.000	0.000	0.250	0.250	0.000	0.650
		0.333								0.750				0.375			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville

Project ID: 19-08027-003
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Ohlone Pkwy		Ohlone Pkwy		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	2	0	0	2
7:15 AM	2	1	0	3	0	3	0	0	9
7:30 AM	1	6	0	0	3	2	0	0	12
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	1	1	0	0	0	3	0	0	5
8:15 AM	1	0	0	0	0	2	0	0	3
8:30 AM	0	1	0	0	1	0	0	0	2
8:45 AM	0	2	0	1	2	0	0	0	5
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	5	11	0	4	6	12	0	0	38
APPROACH %'s :	31.25%	68.75%	0.00%	100.00%	33.33%	66.67%			
PEAK HR :	07:15 AM - 08:15 AM								TOTAL
PEAK HR VOL :	4	8	0	3	3	8	0	0	26
PEAK HR FACTOR :	0.500	0.333		0.250	0.250	0.667			0.542
	0.429		0.250		0.550				

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	1	0	1	0	2	0	0	4
4:15 PM	2	1	0	1	2	2	0	0	8
4:30 PM	0	0	6	0	5	3	0	0	14
4:45 PM	3	1	0	0	1	5	0	0	10
5:00 PM	3	1	1	0	2	2	0	0	9
5:15 PM	4	1	1	3	2	8	0	0	19
5:30 PM	1	3	1	1	1	2	0	0	9
5:45 PM	2	0	0	0	1	1	0	0	4
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	15	8	9	6	14	25	0	0	77
APPROACH %'s :	65.22%	34.78%	60.00%	40.00%	35.90%	64.10%			
PEAK HR :	04:45 PM - 05:45 PM								TOTAL
PEAK HR VOL :	11	6	3	4	6	17	0	0	47
PEAK HR FACTOR :	0.688	0.500	0.750	0.333	0.750	0.531			0.618
	0.850		0.438		0.575				

Prepared by National Data & Surveying Services

Pennsylvania Dr & Main St

Peak Hour Turning Movement Count

ID: 19-08027-004
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Pennsylvania Dr — SOUTHBOUND

AM	52	1	165	0	205	AM
NOON	0	0	0	0	0	NOON
PM	41	8	163	0	303	PM

Main St — EASTBOUND

AM	NOON	PM		
787	0	974	⇦	
3	0	10	↶	0
85	0	162	↱	0
710	0	1097	→	0
1	0	10	↷	0
AM	NOON	PM		

Main St — WESTBOUND

PM	NOON	AM		
131	0	116	↶	0
910	0	731	←	0
12	0	3	↰	0
11	0	5	↷	0
1287	0	880	⇨	
PM	NOON	AM		

CONTROL

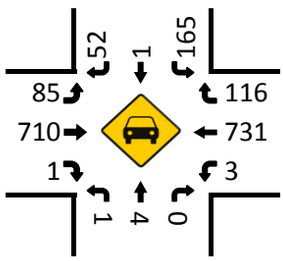
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	AM	NOON	PM
TEV	1877	0	2594
PHF	0.85		0.96

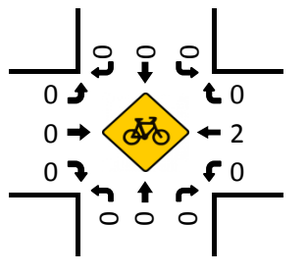
NORTHBOUND — Pennsylvania Dr

PM	30	0	13	10	16	PM
NOON	0	0	0	0	0	NOON
AM	5	0	1	4	0	AM

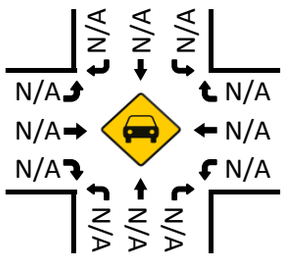
Total Vehicles (AM)



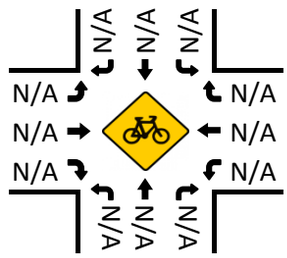
Bikes (AM)



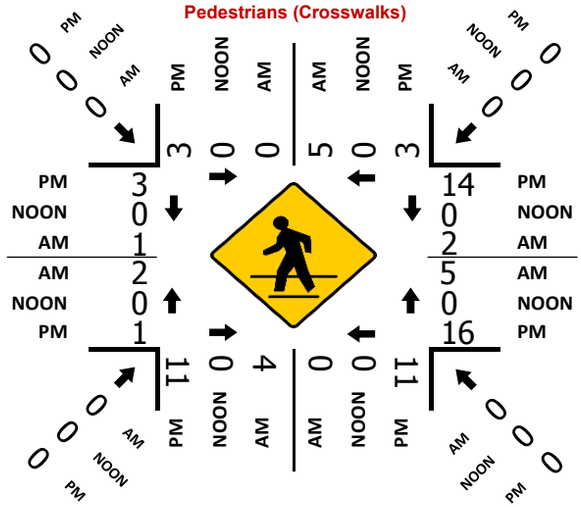
Total Vehicles (Noon)



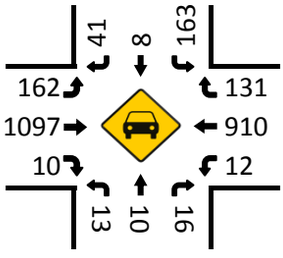
Bikes (NOON)



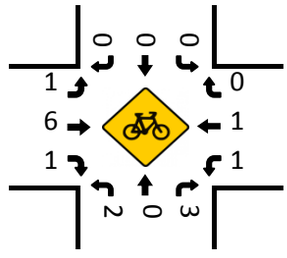
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville
Control:

Project ID: 19-08027-004
Date: 1/24/2019

Total

NS/EW Streets:	Pennsylvania Dr				Pennsylvania Dr				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	24	0	8	0	12	90	0	0	0	148	12	2	296
7:15 AM	1	0	0	0	21	2	18	0	13	121	0	0	0	153	17	0	346
7:30 AM	0	0	0	0	45	0	15	0	18	174	0	0	0	172	26	1	451
7:45 AM	0	0	0	0	40	0	16	0	24	186	0	1	0	202	33	2	504
8:00 AM	0	3	0	0	42	1	13	0	24	217	1	2	1	212	36	0	552
8:15 AM	1	1	0	0	38	0	8	0	19	133	0	0	2	145	21	2	370
8:30 AM	0	0	0	0	25	0	10	0	16	168	0	0	1	140	15	3	378
8:45 AM	0	0	0	0	19	0	8	0	11	150	1	2	1	137	11	3	343
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	4	0	0	254	3	96	0	137	1239	2	5	5	1309	171	13	3240
APPROACH %'s :	33.33%	66.67%	0.00%	0.00%	71.95%	0.85%	27.20%	0.00%	9.91%	89.59%	0.14%	0.36%	0.33%	87.38%	11.42%	0.87%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	1	4	0	0	165	1	52	0	85	710	1	3	3	731	116	5	1877
PEAK HR FACTOR :	0.250	0.333	0.000	0.000	0.917	0.250	0.813	0.000	0.885	0.818	0.250	0.375	0.375	0.862	0.806	0.625	0.850
		0.417				0.908				0.819				0.858			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	2	3	3	0	39	4	9	0	42	268	3	6	5	195	39	1	619
4:15 PM	2	3	4	0	41	0	6	0	47	291	3	3	2	194	32	3	631
4:30 PM	4	2	4	0	41	5	11	0	37	253	2	3	2	194	35	4	597
4:45 PM	6	1	5	0	44	2	9	0	43	275	2	0	3	221	31	4	646
5:00 PM	1	1	2	0	46	0	12	0	32	297	1	3	2	229	33	2	661
5:15 PM	2	4	6	0	45	3	11	0	49	266	4	4	3	235	39	3	674
5:30 PM	4	4	3	0	28	3	9	0	38	259	3	3	4	225	28	2	613
5:45 PM	2	5	3	0	48	2	12	0	39	267	2	2	4	200	28	1	615
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	23	23	30	0	332	19	79	0	327	2176	20	24	25	1693	265	20	5056
APPROACH %'s :	30.26%	30.26%	39.47%	0.00%	77.21%	4.42%	18.37%	0.00%	12.84%	85.43%	0.79%	0.94%	1.25%	84.52%	13.23%	1.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	13	10	16	0	163	8	41	0	162	1097	10	10	12	910	131	11	2594
PEAK HR FACTOR :	0.542	0.625	0.667	0.000	0.886	0.667	0.854	0.000	0.827	0.923	0.625	0.625	0.750	0.968	0.840	0.688	0.962
		0.813				0.898				0.960				0.950			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-004
Date: 1/24/2019

Bikes

NS/EW Streets:	Pennsylvania Dr				Pennsylvania Dr				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	1	1	1	0	0	1	1	0	0	3	0	0	8
APPROACH %'s :					33.33%	33.33%	33.33%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	**07:30 AM - 08:30 AM**																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500
														0.500			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
4:15 PM	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0	5
4:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	1	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
5:30 PM	1	0	0	0	0	0	0	0	1	3	0	0	1	0	0	0	6
5:45 PM	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	2	3	0	0	2	0	0	1	9	2	0	2	3	0	0	27
APPROACH %'s :	37.50%	25.00%	37.50%	0.00%	0.00%	100.00%	0.00%	0.00%	8.33%	75.00%	16.67%	0.00%	40.00%	60.00%	0.00%	0.00%	
PEAK HR :	**04:45 PM - 05:45 PM**																TOTAL
PEAK HR VOL :	2	0	3	0	0	0	0	0	1	6	1	0	1	1	0	0	15
PEAK HR FACTOR :	0.50	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.500	0.250	0.000	0.250	0.250	0.000	0.000	0.625
		0.313								0.500				0.500			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville

Project ID: 19-08027-004
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Pennsylvania Dr		Pennsylvania Dr		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	1	0	0	0	0	0	0	1	2
7:15 AM	0	3	0	0	3	0	0	2	8
7:30 AM	0	1	0	0	0	0	1	0	2
7:45 AM	0	1	1	0	1	1	0	0	4
8:00 AM	0	1	1	0	2	0	0	1	5
8:15 AM	0	2	2	0	2	1	1	0	8
8:30 AM	0	2	0	1	0	0	0	2	5
8:45 AM	0	0	0	0	1	3	0	1	5
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	1	10	4	1	9	5	2	7	39
APPROACH %'s :	9.09%	90.91%	80.00%	20.00%	64.29%	35.71%	22.22%	77.78%	
PEAK HR :	07:30 AM - 08:30 AM								TOTAL
PEAK HR VOL :	0	5	4	0	5	2	2	1	19
PEAK HR FACTOR :		0.625	0.500		0.625	0.500	0.500	0.250	0.594
	0.625		0.500		0.583		0.750		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	2	0	6	1	9	3	0	0	21
4:15 PM	0	1	6	0	3	3	1	2	16
4:30 PM	1	1	1	1	2	3	1	3	13
4:45 PM	0	0	3	6	7	5	0	0	21
5:00 PM	1	2	1	4	5	6	0	1	20
5:15 PM	0	0	3	0	2	1	0	0	6
5:30 PM	2	1	4	1	2	2	1	2	15
5:45 PM	2	0	2	1	3	3	2	0	13
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	8	5	26	14	33	26	5	8	125
APPROACH %'s :	61.54%	38.46%	65.00%	35.00%	55.93%	44.07%	38.46%	61.54%	
PEAK HR :	04:45 PM - 05:45 PM								TOTAL
PEAK HR VOL :	3	3	11	11	16	14	1	3	62
PEAK HR FACTOR :	0.375	0.375	0.688	0.458	0.571	0.583	0.250	0.375	0.738
	0.500		0.611		0.625		0.333		

Prepared by National Data & Surveying Services

Auto Center Dr & Main St

Peak Hour Turning Movement Count

ID: 19-08027-005
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Auto Center Dr — SOUTHBOUND

AM	211	0	137	0	386	AM
NOON	0	0	0	0	0	NOON
PM	219	0	230	0	411	PM

Main St — EASTBOUND

AM	NOON	PM	
857	0	1033	
6	0	11	0
195	0	194	0
672	0	1069	0
1	0	1	0
AM	NOON	PM	

WESTBOUND — Main St

PM	NOON	AM	
214	0	191	0
798	0	640	0
4	0	0	0
0	0	0	0
1301	0	810	
PM	NOON	AM	

CONTROL

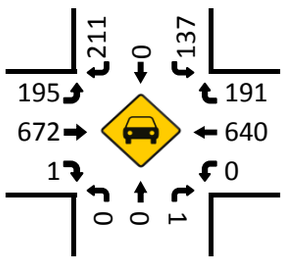
0

TEV	2054	0	2750
	AM	NOON	PM
PHF	0.87		0.94

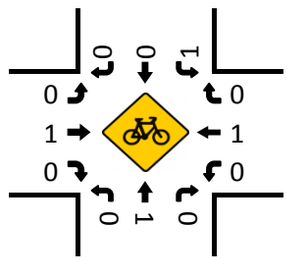
NORTHBOUND — Auto Center Dr

PM	5	0	5	3	2	PM
NOON	0	0	0	0	0	NOON
AM	1	0	0	0	1	AM

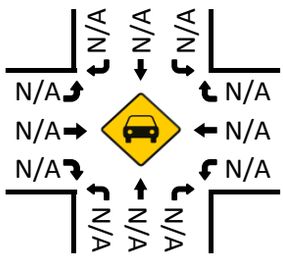
Total Vehicles (AM)



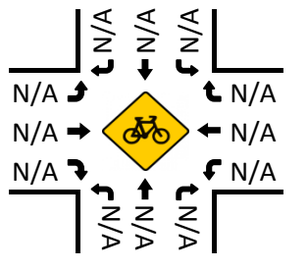
Bikes (AM)



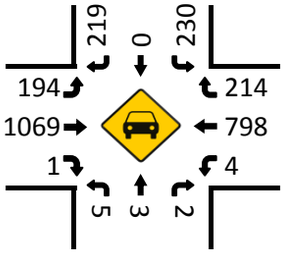
Total Vehicles (Noon)



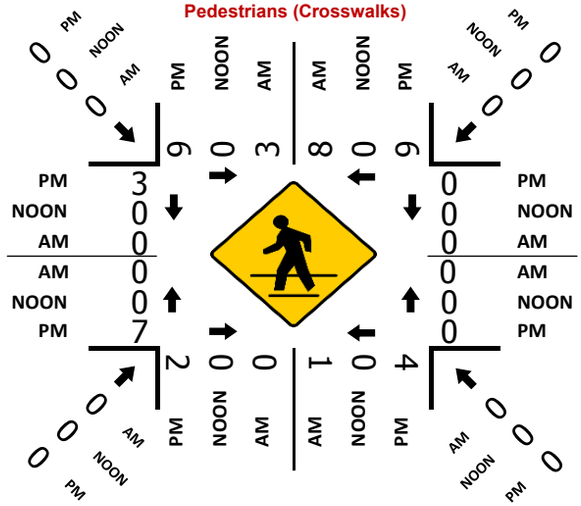
Bikes (NOON)



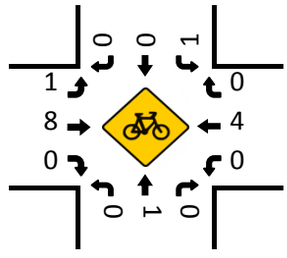
Total Vehicles (PM)



Pedestrians (Crosswalks)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville
Control:

Project ID: 19-08027-005
Date: 1/24/2019

Total

NS/EW Streets:	Auto Center Dr				Auto Center Dr				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	16	0	34	0	19	87	0	0	0	128	17	0	301
7:15 AM	0	0	0	0	20	0	42	0	30	112	0	1	0	112	22	0	339
7:30 AM	0	0	0	0	32	0	60	0	38	174	1	0	0	146	46	0	497
7:45 AM	0	0	0	0	45	0	66	0	62	171	0	2	0	179	66	0	591
8:00 AM	0	0	1	0	38	0	48	0	56	190	0	3	0	188	41	0	565
8:15 AM	0	0	0	0	22	0	37	0	39	137	0	1	0	127	38	0	401
8:30 AM	0	0	0	0	29	0	28	0	45	150	0	1	0	134	32	1	420
8:45 AM	1	1	1	0	28	0	25	0	36	130	0	2	1	118	49	0	392
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	1	2	0	230	0	340	0	325	1151	1	10	1	1132	311	1	3506
APPROACH %'s :	25.00%	25.00%	50.00%	0.00%	40.35%	0.00%	59.65%	0.00%	21.86%	77.40%	0.07%	0.67%	0.07%	78.34%	21.52%	0.07%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	1	0	137	0	211	0	195	672	1	6	0	640	191	0	2054
PEAK HR FACTOR :	0.000	0.000	0.250	0.000	0.761	0.000	0.799	0.000	0.786	0.884	0.250	0.500	0.000	0.851	0.723	0.000	0.869
			0.250				0.784				0.878				0.848		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	3	0	56	0	36	0	37	240	1	6	0	171	56	0	607
4:15 PM	0	1	0	0	51	0	55	0	54	289	0	4	0	179	44	0	677
4:30 PM	1	1	0	0	48	3	47	0	35	265	0	7	0	175	31	0	613
4:45 PM	0	1	1	0	55	0	50	0	57	269	1	4	0	200	55	0	693
5:00 PM	1	1	0	0	71	0	55	0	35	282	0	6	0	200	53	0	704
5:15 PM	0	0	1	0	53	0	60	0	55	280	0	1	2	215	68	0	735
5:30 PM	4	1	0	0	51	0	54	0	47	238	0	0	2	183	38	0	618
5:45 PM	0	0	4	0	47	0	41	0	41	277	0	9	0	191	42	0	652
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	7	5	9	0	432	3	398	0	361	2140	2	37	4	1514	387	0	5299
APPROACH %'s :	33.33%	23.81%	42.86%	0.00%	51.86%	0.36%	47.78%	0.00%	14.21%	84.25%	0.08%	1.46%	0.21%	79.48%	20.31%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	5	3	2	0	230	0	219	0	194	1069	1	11	4	798	214	0	2750
PEAK HR FACTOR :	0.313	0.750	0.500	0.000	0.810	0.000	0.913	0.000	0.851	0.948	0.250	0.458	0.500	0.928	0.787	0.000	0.935
			0.500				0.891				0.949				0.891		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-005
Date: 1/24/2019

Bikes

NS/EW Streets:	Auto Center Dr				Auto Center Dr				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	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	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	2	0	0	0	0	2	0	0	0	4	0	0	9
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	4
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.500
	0.250				0.250				0.250				0.250				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	4
4:15 PM	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	4
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	4
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
5:15 PM	0	1	0	0	1	0	0	0	0	3	0	0	0	1	0	0	6
5:30 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
5:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	5	0	0	0	1	10	0	0	0	8	0	0	25
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	9.09%	90.91%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	0	1	0	0	1	0	0	0	1	8	0	0	0	4	0	0	15
PEAK HR FACTOR :	0.00	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.667	0.000	0.000	0.000	0.500	0.000	0.000	0.625
	0.250				0.250				0.563				0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville

Project ID: 19-08027-005
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Auto Center Dr		Auto Center Dr		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	2	0	0	0	0	0	1	2	5
7:15 AM	0	2	0	0	0	0	1	0	3
7:30 AM	1	3	0	0	0	0	0	0	4
7:45 AM	0	3	0	0	0	0	0	0	3
8:00 AM	1	2	0	1	0	0	0	0	4
8:15 AM	1	0	0	0	0	0	0	0	1
8:30 AM	0	4	3	2	0	0	3	0	12
8:45 AM	2	4	1	0	0	0	1	0	8
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	7	18	4	3	0	0	6	2	40
APPROACH %'s :	28.00%	72.00%	57.14%	42.86%			75.00%	25.00%	
PEAK HR :	**07:30 AM - 08:30 AM**								TOTAL
PEAK HR VOL :	3	8	0	1	0	0	0	0	12
PEAK HR FACTOR :	0.750	0.667		0.250					0.750
	0.688		0.250						

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	3	2	2	0	0	0	3	2	12
4:15 PM	2	4	0	0	0	0	0	0	6
4:30 PM	5	2	0	1	0	0	0	1	9
4:45 PM	0	4	0	2	0	0	0	1	7
5:00 PM	5	1	1	1	0	0	6	1	15
5:15 PM	1	1	1	1	0	0	1	0	5
5:30 PM	3	3	0	0	0	0	0	1	7
5:45 PM	8	0	2	2	0	0	7	4	23
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	27	17	6	7	0	0	17	10	84
APPROACH %'s :	61.36%	38.64%	46.15%	53.85%			62.96%	37.04%	
PEAK HR :	**04:45 PM - 05:45 PM**								TOTAL
PEAK HR VOL :	9	9	2	4	0	0	7	3	34
PEAK HR FACTOR :	0.450	0.563	0.500	0.500			0.292	0.750	0.567
	0.750		0.750				0.357		

Prepared by National Data & Surveying Services

Rodriguez St & Main St

Peak Hour Turning Movement Count

ID: 19-08027-006
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND — Rodriguez St

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

EASTBOUND — Main St

AM	NOON	PM	
824	0	1015	⇦
0	0	0	↶ 0
0	0	0	↱ 0
606	0	1069	→ 0
216	0	241	↴ 0
AM	NOON	PM	

WESTBOUND — Main St

PM	NOON	AM	
0	0	0	↰ 0
765	0	657	← 0
27	0	14	↶ 0
0	0	0	↱ 0
1083	0	629	⇨
PM	NOON	AM	

NORTHBOUND — Rodriguez St

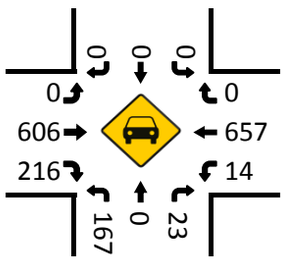
PM	268	0	250	0	14	PM
NOON	0	0	0	0	0	NOON
AM	230	0	167	0	23	AM

CONTROL

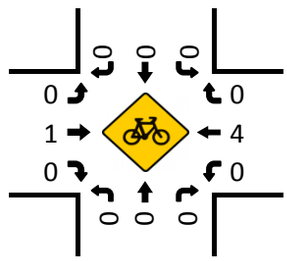
0

TEV	1683	0	2366
	AM	NOON	PM
PHF	0.86		0.94

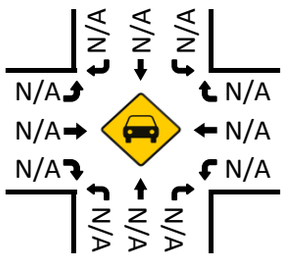
Total Vehicles (AM)



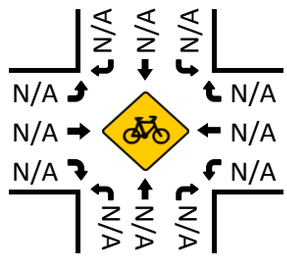
Bikes (AM)



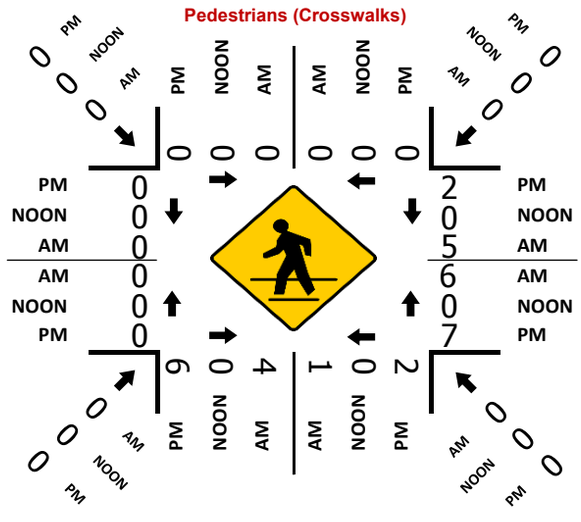
Total Vehicles (Noon)



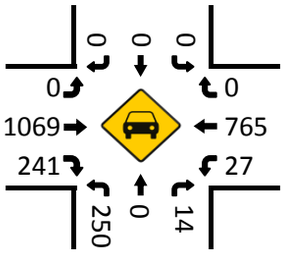
Bikes (NOON)



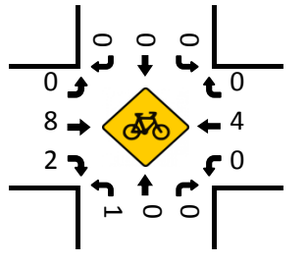
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville
Control:

Project ID: 19-08027-006
Date: 1/24/2019

Total

NS/EW Streets:	Rodriguez St				Rodriguez St				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	22	0	2	0	0	0	0	0	0	81	22	0	3	123	0	0	253
7:15 AM	17	0	6	0	0	0	0	0	0	101	30	0	2	123	0	0	279
7:30 AM	43	0	4	0	0	0	0	0	0	145	50	0	3	146	0	0	391
7:45 AM	51	0	11	0	0	0	0	0	0	171	62	0	2	192	0	0	489
8:00 AM	43	0	5	0	0	0	0	0	0	154	65	0	5	189	0	0	461
8:15 AM	30	0	3	0	0	0	0	0	0	136	39	0	4	130	0	0	342
8:30 AM	44	0	4	0	0	0	0	0	0	140	28	0	4	131	0	0	351
8:45 AM	35	0	4	0	0	0	0	0	0	140	34	0	0	139	0	0	352
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	285	0	39	0	0	0	0	0	0	1068	330	0	23	1173	0	0	2918
APPROACH %'s :	87.96%	0.00%	12.04%	0.00%					0.00%	76.39%	23.61%	0.00%	1.92%	98.08%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	167	0	23	0	0	0	0	0	0	606	216	0	14	657	0	0	1683
PEAK HR FACTOR :	0.819	0.000	0.523	0.000	0.000	0.000	0.000	0.000	0.000	0.886	0.831	0.000	0.700	0.855	0.000	0.000	0.860
	0.766								0.882				0.865				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	53	0	4	0	0	0	0	0	0	228	52	0	4	171	0	0	512
4:15 PM	66	0	4	0	0	0	0	0	0	288	70	0	0	155	0	0	583
4:30 PM	55	0	6	0	0	0	0	0	0	248	50	0	5	152	0	0	516
4:45 PM	65	0	3	0	0	0	0	0	0	265	69	0	4	188	0	0	594
5:00 PM	72	0	3	0	0	0	0	0	0	277	64	0	11	189	0	0	616
5:15 PM	67	0	5	0	0	0	0	0	0	286	61	0	7	205	0	0	631
5:30 PM	46	0	3	0	0	0	0	0	0	241	47	0	5	183	0	0	525
5:45 PM	52	0	5	0	0	0	0	0	0	275	63	0	2	180	0	0	577
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	476	0	33	0	0	0	0	0	0	2108	476	0	38	1423	0	0	4554
APPROACH %'s :	93.52%	0.00%	6.48%	0.00%					0.00%	81.58%	18.42%	0.00%	2.60%	97.40%	0.00%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	250	0	14	0	0	0	0	0	0	1069	241	0	27	765	0	0	2366
PEAK HR FACTOR :	0.868	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	0.934	0.873	0.000	0.614	0.933	0.000	0.000	0.937
	0.880								0.944				0.934				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville
Control: 0

Project ID: 19-08027-006
Date: 1/24/2019

Bikes

NS/EW Streets:	Rodriguez St				Rodriguez St				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	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	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	8
APPROACH %'s :									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	5
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.500	0.000	0.000	0.625
									0.250				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	4
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	3
4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
5:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	5
5:30 PM	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	4
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	0	0	0	0	0	0	0	11	4	0	0	8	0	0	24
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%					0.00%	73.33%	26.67%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	8	2	0	0	4	0	0	15
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.750
		0.250								0.625				0.500			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville

Project ID: 19-08027-006
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Rodriguez St		Rodriguez St		Main St		Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	1	0	0	0	1
7:15 AM	0	0	0	2	4	2	0	1	9
7:30 AM	0	0	3	0	6	1	0	0	10
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	1	0	2	0	0	3
8:15 AM	0	0	1	0	0	2	0	0	3
8:30 AM	0	0	1	1	3	0	0	0	5
8:45 AM	0	0	1	0	2	1	0	0	4
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	6	4	16	8	0	1	35
APPROACH %'s :			60.00%	40.00%	66.67%	33.33%	0.00%	100.00%	
PEAK HR :	**07:30 AM - 08:30 AM**								TOTAL
PEAK HR VOL :	0	0	4	1	6	5	0	0	16
PEAK HR FACTOR :			0.333	0.250	0.250	0.625			0.400
			0.417		0.393				

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	4	1	1	3	0	0	9
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	1	1	0	0	0	0	2
4:45 PM	0	0	2	0	1	0	0	0	3
5:00 PM	0	0	0	1	2	0	0	0	3
5:15 PM	0	0	3	1	2	1	0	0	7
5:30 PM	0	0	1	0	2	1	0	0	4
5:45 PM	0	0	0	4	1	4	0	0	9
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	11	8	9	9	0	0	37
APPROACH %'s :			57.89%	42.11%	50.00%	50.00%			
PEAK HR :	**04:45 PM - 05:45 PM**								TOTAL
PEAK HR VOL :	0	0	6	2	7	2	0	0	17
PEAK HR FACTOR :			0.500	0.500	0.875	0.500			0.607
			0.500		0.750				

Prepared by National Data & Surveying Services

Main St/Western Dr & Freedom Blvd/Main St

Peak Hour Turning Movement Count

ID: 19-08027-007
City: Watsonville

Day: Thursday
Date: 01/24/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Main St/Western Dr — SOUTHBOUND

AM	51	18	20	0	29	AM
NOON	0	0	0	0	0	NOON
PM	50	19	16	0	69	PM

EASTBOUND — Freedom Blvd/Main St

AM	NOON	PM	
676	0	798	⇦
0	0	0	↶ 0
20	0	38	↱ 0
205	0	373	→ 0
405	0	676	↷ 0
AM	NOON	PM	

WESTBOUND — Freedom Blvd/Main St

PM	NOON	AM	
3	0	0	0 ↳
233	0	177	0 ←
343	0	263	0 ↰
0	0	0	0 ↶
773	0	511	⇨
PM	NOON	AM	

CONTROL

0

	AM	NOON	PM
TEV	1902	0	2678
PHF	0.87		0.94

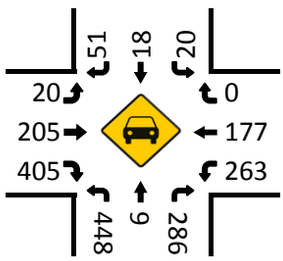
NORTHBOUND — Main St/Western Dr

PM	1038	0	515	28	384	PM
NOON	0	0	0	0	0	NOON
AM	686	0	448	9	286	AM

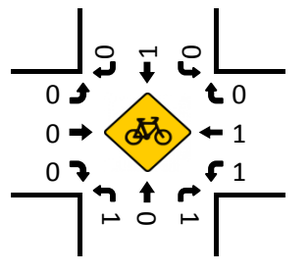
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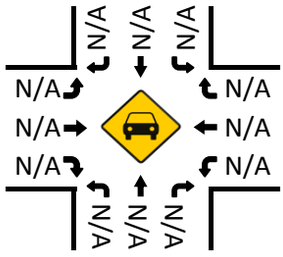
Total Vehicles (AM)



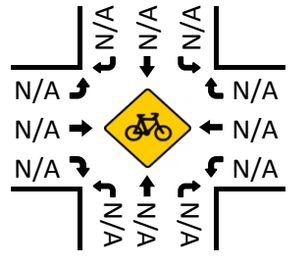
Bikes (AM)



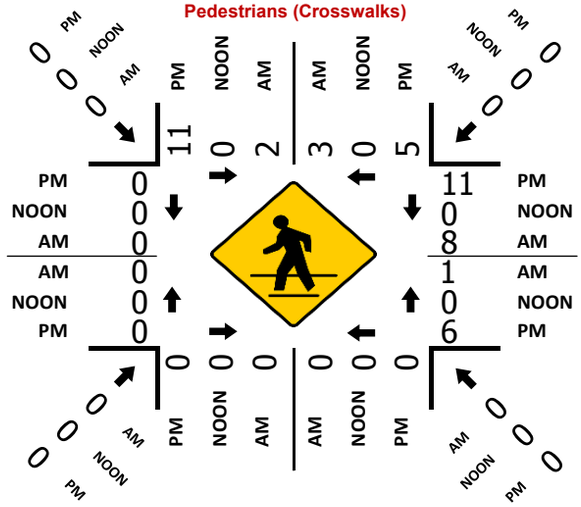
Total Vehicles (Noon)



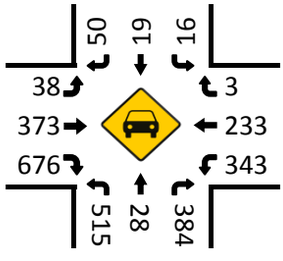
Bikes (NOON)



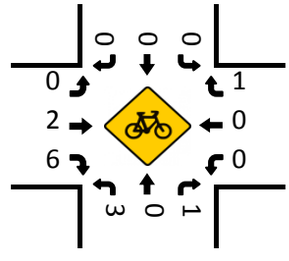
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/Main St
City: Watsonville
Control:

Project ID: 19-08027-007
Date: 1/24/2019

Total

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/Main St				Freedom Blvd/Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	65	2	50	0	5	4	16	0	1	19	54	0	32	45	0	0	293
7:15 AM	82	1	36	0	1	3	6	0	6	45	60	0	57	34	1	0	332
7:30 AM	101	6	59	0	6	9	15	0	5	45	98	0	67	37	0	0	448
7:45 AM	134	2	93	0	6	4	16	0	9	65	105	0	64	46	0	0	544
8:00 AM	126	1	75	0	7	3	13	0	1	49	103	0	74	58	0	0	510
8:15 AM	87	0	59	0	1	2	7	0	5	46	99	0	58	36	0	0	400
8:30 AM	84	4	77	0	4	1	5	0	1	45	94	0	52	42	1	0	410
8:45 AM	95	4	61	0	1	4	6	0	3	46	95	0	48	39	0	0	402
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	774	20	510	0	31	30	84	0	31	360	708	0	452	337	2	0	3339
APPROACH %'s :	59.36%	1.53%	39.11%	0.00%	21.38%	20.69%	57.93%	0.00%	2.82%	32.76%	64.42%	0.00%	57.14%	42.60%	0.25%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	448	9	286	0	20	18	51	0	20	205	405	0	263	177	0	0	1902
PEAK HR FACTOR :	0.836	0.375	0.769	0.000	0.714	0.500	0.797	0.000	0.556	0.788	0.964	0.000	0.889	0.763	0.000	0.000	0.874
	0.811				0.742				0.880				0.833				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	130	1	91	0	4	2	4	0	8	79	136	0	79	49	1	0	584
4:15 PM	106	3	97	0	5	3	7	0	6	105	179	0	76	41	0	0	628
4:30 PM	101	8	84	0	5	1	9	0	6	89	160	0	87	50	1	0	601
4:45 PM	127	5	100	0	3	4	13	0	11	100	153	0	83	52	1	0	652
5:00 PM	135	11	97	0	5	9	11	0	11	78	173	0	81	60	1	0	672
5:15 PM	130	10	95	0	5	3	14	0	8	105	187	0	92	62	0	0	711
5:30 PM	123	2	92	0	3	3	12	0	8	90	163	0	87	59	1	0	643
5:45 PM	120	5	79	0	2	2	3	0	6	104	157	0	70	55	1	0	604
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	972	45	735	0	32	27	73	0	64	750	1308	0	655	428	6	0	5095
APPROACH %'s :	55.48%	2.57%	41.95%	0.00%	24.24%	20.45%	55.30%	0.00%	3.02%	35.34%	61.64%	0.00%	60.15%	39.30%	0.55%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	515	28	384	0	16	19	50	0	38	373	676	0	343	233	3	0	2678
PEAK HR FACTOR :	0.954	0.636	0.960	0.000	0.800	0.528	0.893	0.000	0.864	0.888	0.904	0.000	0.932	0.940	0.750	0.000	0.942
	0.954				0.850				0.906				0.940				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/Main St
City: Watsonville
Control: 0

Project ID: 19-08027-007
Date: 1/24/2019

Bikes

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/Main St				Freedom Blvd/Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	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	0	0	0
7:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	0	2	0	0	1	0	0	0	0	1	0	1	1	0	0	7
APPROACH %'s :	33.33%	0.00%	66.67%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	50.00%	50.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	1	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	5
PEAK HR FACTOR :	0.250	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.417
		0.500				0.250								0.500			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3
4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	5
5:30 PM	1	0	1	0	0	0	0	0	0	0	3	0	0	0	1	0	6
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	4	0	2	0	0	0	1	0	0	2	7	0	0	1	1	0	18
APPROACH %'s :	66.67%	0.00%	33.33%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	22.22%	77.78%	0.00%	0.00%	50.00%	50.00%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	3	0	1	0	0	0	0	0	0	2	6	0	0	0	1	0	13
PEAK HR FACTOR :	0.75	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.250	0.000	0.542
		0.500								0.500				0.250			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/Main St
City: Watsonville

Project ID: 19-08027-007
Date: 1/24/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Main St/Western Dr		Main St/Western Dr		Freedom Blvd/Main St		Freedom Blvd/Main St		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	1	0	0	1
7:30 AM	1	1	0	0	0	0	0	0	2
7:45 AM	1	0	0	0	0	4	0	0	5
8:00 AM	0	1	0	0	1	4	0	0	6
8:15 AM	0	1	0	0	0	0	0	0	1
8:30 AM	1	2	0	0	0	3	0	0	6
8:45 AM	0	0	0	0	2	1	0	0	3
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	3	6	0	0	3	13	0	0	25
APPROACH %'s :	33.33%	66.67%			18.75%	81.25%			
PEAK HR :	**07:30 AM - 08:30 AM**								TOTAL
PEAK HR VOL :	2	3	0	0	1	8	0	0	14
PEAK HR FACTOR :	0.500	0.750			0.250	0.500			0.583
	0.625				0.450				

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	2	2	0	0	4	4	0	0	12
4:15 PM	1	0	0	0	0	1	0	0	2
4:30 PM	1	1	1	0	1	0	0	0	4
4:45 PM	3	0	0	0	1	1	0	0	5
5:00 PM	1	2	0	0	1	4	0	0	8
5:15 PM	4	2	0	0	2	4	0	0	12
5:30 PM	3	1	0	0	2	2	0	0	8
5:45 PM	0	0	0	0	0	1	0	0	1
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	15	8	1	0	11	17	0	0	52
APPROACH %'s :	65.22%	34.78%	100.00%	0.00%	39.29%	60.71%			
PEAK HR :	**04:45 PM - 05:45 PM**								TOTAL
PEAK HR VOL :	11	5	0	0	6	11	0	0	33
PEAK HR FACTOR :	0.688	0.625			0.750	0.688			0.688
	0.667				0.708				

Prepared by National Data & Surveying Services

Green Valley Rd & Main St

Peak Hour Turning Movement Count

ID: 19-08091-001
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM	NOON	PM
NONE	12:00 PM - 01:00 PM	NONE

COUNT PERIODS

AM	NOON	PM
NONE	11:00 AM - 01:00 PM	NONE

Green Valley Rd — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	124	336	246	0	727	NOON
PM	0	0	0	0	0	PM

Main St — EASTBOUND

AM	NOON	PM	
0	950	0	
0	26	0	0
0	205	0	0
0	625	0	0
0	174	0	0
AM	NOON	PM	

WESTBOUND — Main St

PM	NOON	AM	
0	211	0	0
0	581	0	0
0	166	0	0
0	4	0	0
	991		
PM	NOON	AM	

CONTROL

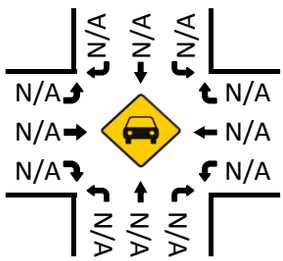
0

	AM	NOON	PM
TEV	0	3352	0
PHF		0.94	

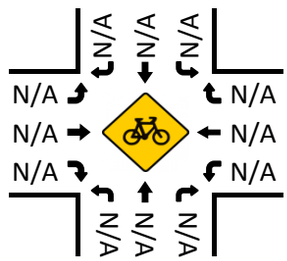
Green Valley Rd — NORTHBOUND

PM	0	0	0	0	0	PM
NOON	684	8	219	311	116	NOON
AM	0	0	0	0	0	AM

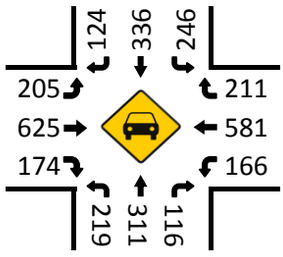
Total Vehicles (AM)



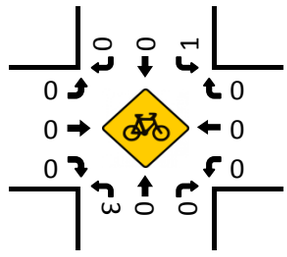
Bikes (AM)



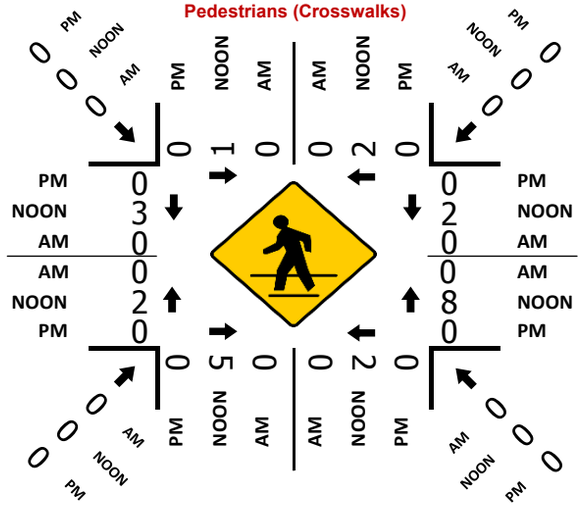
Total Vehicles (Noon)



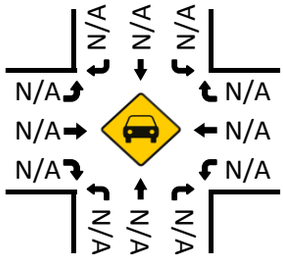
Bikes (NOON)



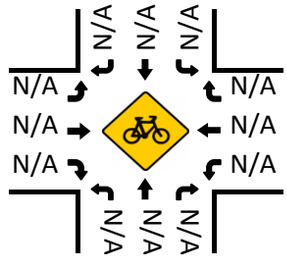
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville
Control:

Project ID: 19-08091-001
Date: 2019-02-21

Total

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	TOTAL
11:00 AM	40	55	24	2	54	69	20	0	38	137	43	5	38	113	42	4	684
11:15 AM	54	70	21	1	47	83	31	0	33	127	38	6	37	124	51	3	726
11:30 AM	45	65	30	2	47	65	23	0	49	133	33	3	29	121	51	1	697
11:45 AM	58	61	29	0	58	96	25	0	43	135	36	8	47	149	53	2	800
12:00 PM	56	85	39	2	60	71	34	0	49	163	39	6	34	128	57	1	824
12:15 PM	40	61	23	0	69	92	34	0	52	137	44	5	42	148	44	1	792
12:30 PM	61	82	28	3	59	77	27	0	55	176	37	5	41	146	51	0	848
12:45 PM	62	83	26	3	58	96	29	0	49	149	54	10	49	159	59	2	888
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	416	562	220	13	452	649	223	0	368	1157	324	48	317	1088	408	14	6259
APPROACH %'s :	34.35%	46.41%	18.17%	1.07%	34.14%	49.02%	16.84%	0.00%	19.40%	60.99%	17.08%	2.53%	17.35%	59.55%	22.33%	0.77%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	219	311	116	8	246	336	124	0	205	625	174	26	166	581	211	4	3352
PEAK HR FACTOR :	0.883	0.915	0.744	0.667	0.891	0.875	0.912	0.000	0.932	0.888	0.806	0.650	0.847	0.914	0.894	0.500	0.944
	0.898				0.905				0.943				0.894				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-001
Date: 2019-02-21

Bikes

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	6
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%					0.00%	50.00%	50.00%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250
		0.250				0.250											

National Data & Surveying Services

Intersection Turning Movement Count

Location: Green Valley Rd & Main St
City: Watsonville

Project ID: 19-08091-001
Date: 2019-02-21

Pedestrians (Crosswalks)

NS/EW Streets:	Green Valley Rd		Green Valley Rd		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	0	0	0	1	0	0	0	1
11:15 AM	0	1	2	0	3	1	0	1	8
11:30 AM	0	0	0	1	2	0	2	1	6
11:45 AM	1	2	0	1	0	4	0	0	8
12:00 PM	0	0	0	1	0	1	0	0	2
12:15 PM	0	1	3	0	3	0	0	1	8
12:30 PM	0	1	2	1	5	1	0	0	10
12:45 PM	1	0	0	0	0	0	2	2	5
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	2	5	7	4	14	7	4	5	48
APPROACH %'s :	28.57%	71.43%	63.64%	36.36%	66.67%	33.33%	44.44%	55.56%	
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	1	2	5	2	8	2	2	3	25
PEAK HR FACTOR :	0.250	0.500	0.417	0.500	0.400	0.500	0.250	0.375	0.625
	0.750		0.583		0.417		0.313		

Prepared by National Data & Surveying Services

Watsonville Square Shopping Center Dwy & Main St

Peak Hour Turning Movement Count

ID: 19-08091-002
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM	NONE
NOON	12:00 PM - 01:00 PM
PM	NONE

COUNT PERIODS

AM	NONE
NOON	11:00 AM - 01:00 PM
PM	NONE

Watsonville Square Shopping Center Dwy — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	80	11	158	0	222	NOON
PM	0	0	0	0	0	PM

Main St — EASTBOUND

AM	NOON	PM		
0	937	0	⇦	
0	11	0	↶	0
0	74	0	↱	0
0	874	0	→	0
0	36	0	↴	0
AM	NOON	PM		

WESTBOUND — Main St

PM	NOON	AM		
0	139	0	↰	0
0	805	0	←	0
0	97	0	↰	0
0	1	0	↰	0
			⇨	
0	1117	0		
PM	NOON	AM		

CONTROL

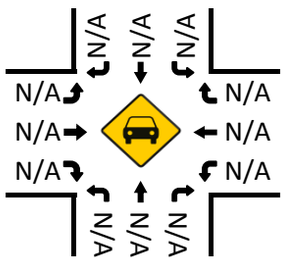
0

	AM	NOON	PM
TEV	0	2420	0
PHF		0.96	

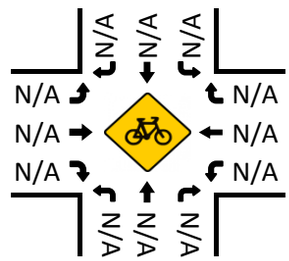
NORTHBOUND — Watsonville Square Shopping Center D

PM	0	0	0	0	0	PM
NOON	144	0	41	9	84	NOON
AM	0	0	0	0	0	AM

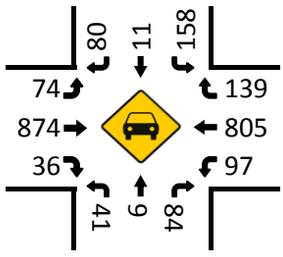
Total Vehicles (AM)



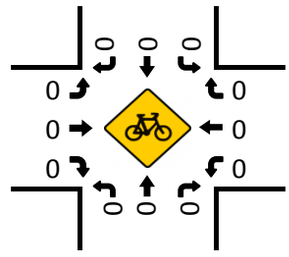
Bikes (AM)



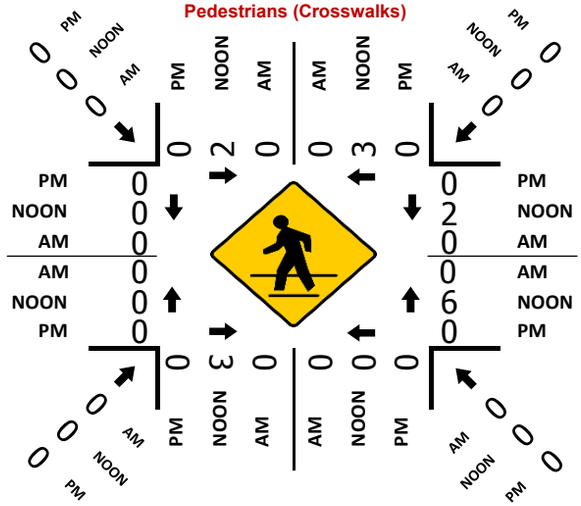
Total Vehicles (Noon)



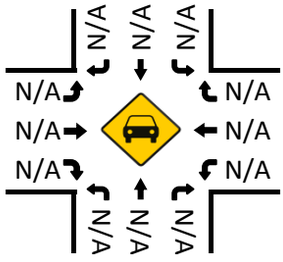
Bikes (NOON)



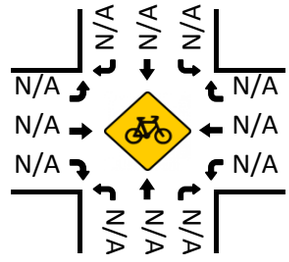
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center Dwy & Main St
City: Watsonville
Control:

Project ID: 19-08091-002
Date: 2/21/2019

Total

NS/EW Streets:	Watsonville Square Shopping Center Dwy				Watsonville Square Shopping Center Dwy				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	8	3	13	0	26	1	12	0	13	178	10	2	14	161	29	0	470
11:15 AM	11	2	9	0	32	4	17	0	16	185	8	5	17	174	32	0	512
11:30 AM	8	1	19	0	40	1	18	0	16	172	8	4	19	181	29	0	516
11:45 AM	11	0	15	0	30	2	16	0	17	191	9	7	21	201	30	0	550
12:00 PM	11	2	23	0	36	5	15	0	31	212	11	4	31	205	44	0	630
12:15 PM	5	4	22	0	41	3	24	0	15	209	5	1	23	191	31	0	574
12:30 PM	15	2	20	0	48	2	17	0	19	229	12	3	19	200	34	1	621
12:45 PM	10	1	19	0	33	1	24	0	9	224	8	3	24	209	30	0	595
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	79	15	140	0	286	19	143	0	136	1600	71	29	168	1522	259	1	4468
APPROACH %'s :	33.76%	6.41%	59.83%	0.00%	63.84%	4.24%	31.92%	0.00%	7.41%	87.15%	3.87%	1.58%	8.62%	78.05%	13.28%	0.05%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	41	9	84	0	158	11	80	0	74	874	36	11	97	805	139	1	2420
PEAK HR FACTOR :	0.683	0.563	0.913	0.000	0.823	0.550	0.833	0.000	0.597	0.954	0.750	0.688	0.782	0.963	0.790	0.250	0.960
	0.905				0.915				0.946				0.930				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center Dwy & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-002
Date: 2/21/2019

Bikes

NS/EW Streets:	Watsonville Square Shopping Center Dwy				Watsonville Square Shopping Center Dwy				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3
APPROACH %'s :													33.33%	66.67%	0.00%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

National Data & Surveying Services

Intersection Turning Movement Count

Location: Watsonville Square Shopping Center Dwy & Main St
City: Watsonville

Project ID: 19-08091-002
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Watsonville Square Shopping Center Dwy		Watsonville Square Shopping Center Dwy		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	0	0	2	1	2	0	0	5
11:15 AM	0	0	3	3	0	2	0	0	8
11:30 AM	1	0	0	1	2	2	0	0	6
11:45 AM	0	2	1	1	0	2	0	0	6
12:00 PM	0	0	0	0	0	0	0	0	0
12:15 PM	1	1	1	0	0	0	0	0	3
12:30 PM	1	0	2	0	4	1	0	0	8
12:45 PM	0	2	0	0	2	1	0	0	5
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	3	5	7	7	9	10	0	0	41
APPROACH %'s :	37.50%	62.50%	50.00%	50.00%	47.37%	52.63%			
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	2	3	3	0	6	2	0	0	16
PEAK HR FACTOR :	0.500	0.375	0.375		0.375	0.500			0.500
	0.625		0.375		0.400				

Prepared by National Data & Surveying Services

Ohlone Pkwy & Main St

Peak Hour Turning Movement Count

ID: 19-08091-003
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM	NONE
NOON	12:00 PM - 01:00 PM
PM	NONE

COUNT PERIODS

AM	NONE
NOON	11:00 AM - 01:00 PM
PM	NONE

Ohlone Pkwy — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	131	151	96	0	357	NOON
PM	0	0	0	0	0	PM

Main St — EASTBOUND

AM	NOON	PM	
0	1033	0	⇦
0	0	0	↶ 0
0	115	0	↱ 0
0	794	0	→ 0
0	205	0	↷ 0
AM	NOON	PM	

WESTBOUND — Main St

PM	NOON	AM	
0	30	0	0 ↰
0	598	0	0 ←
0	106	0	0 ↙
0	0	0	0 ↶
0	1041	0	⇨
PM	NOON	AM	

CONTROL

0

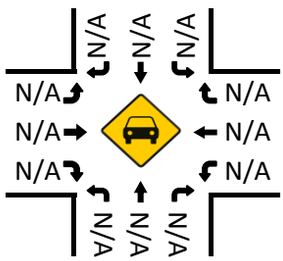
	AM	NOON	PM
TEV	0	2893	0
PHF		0.97	

Ohlone Pkwy — NORTHBOUND

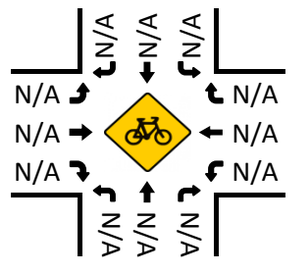
PM	0	0	0	0	0	PM
NOON	462	0	304	212	151	NOON
AM	0	0	0	0	0	AM

0 0 0 0 ↰ ← ↑ ↱

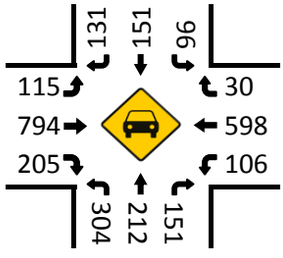
Total Vehicles (AM)



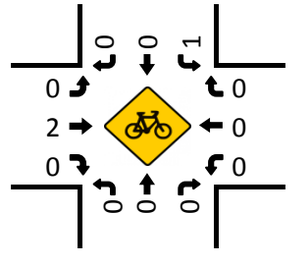
Bikes (AM)



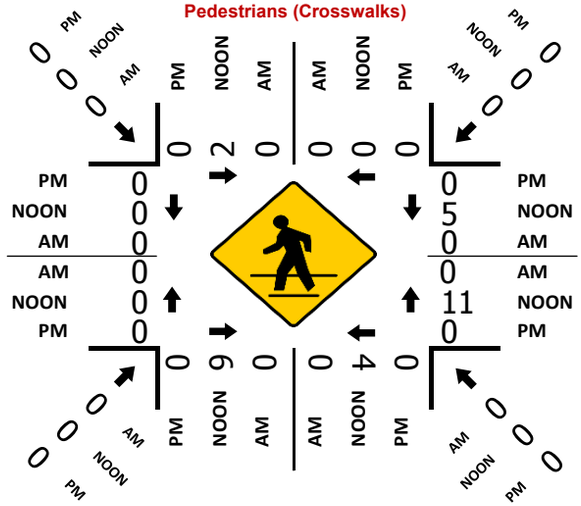
Total Vehicles (Noon)



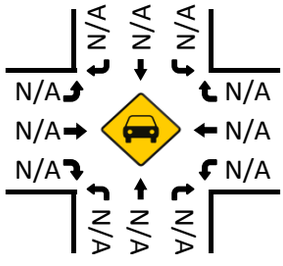
Bikes (NOON)



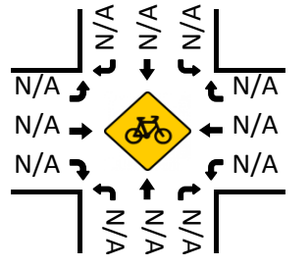
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville
Control:

Project ID: 19-08091-003
Date: 2/21/2019

Total

NS/EW Streets:	Ohlone Pkwy				Ohlone Pkwy				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	57	38	23	0	20	17	24	0	19	147	38	0	24	120	10	0	537
11:15 AM	77	36	34	0	24	23	25	0	19	174	38	0	23	122	6	1	602
11:30 AM	75	46	24	0	19	28	22	0	28	154	43	0	15	135	8	1	598
11:45 AM	81	50	29	0	18	34	33	0	27	170	53	1	14	140	9	0	659
12:00 PM	77	50	43	0	22	44	37	0	32	174	45	0	19	159	8	0	710
12:15 PM	75	58	33	0	26	26	24	0	24	206	61	0	21	144	3	0	701
12:30 PM	79	65	34	0	27	37	41	0	23	205	48	0	27	149	9	0	744
12:45 PM	73	39	41	0	21	44	29	0	36	209	51	0	39	146	10	0	738
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	594	382	261	0	177	253	235	0	208	1439	377	1	182	1115	63	2	5289
APPROACH %'s :	48.02%	30.88%	21.10%	0.00%	26.62%	38.05%	35.34%	0.00%	10.27%	71.06%	18.62%	0.05%	13.36%	81.86%	4.63%	0.15%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	304	212	151	0	96	151	131	0	115	794	205	0	106	598	30	0	2893
PEAK HR FACTOR :	0.962	0.815	0.878	0.000	0.889	0.858	0.799	0.000	0.799	0.950	0.840	0.000	0.679	0.940	0.750	0.000	0.972
	0.937				0.900				0.941				0.941				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-003
Date: 2/21/2019

Bikes

NS/EW Streets:	Ohlone Pkwy				Ohlone Pkwy				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
12:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1	0	0	1	0	0	0	0	2	0	0	0	2	0	0	6
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	3
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.375
						0.250				0.250							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ohlone Pkwy & Main St
City: Watsonville

Project ID: 19-08091-003
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Ohlone Pkwy		Ohlone Pkwy		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	0	1	1	0	1	0	0	3
11:15 AM	1	1	0	2	1	0	0	0	5
11:30 AM	1	1	2	0	2	3	0	0	9
11:45 AM	2	3	2	2	1	1	0	0	11
12:00 PM	0	0	0	0	1	2	0	0	3
12:15 PM	1	0	4	1	6	1	0	0	13
12:30 PM	1	0	1	1	1	0	0	0	4
12:45 PM	0	0	1	2	3	2	0	0	8
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	6	5	11	9	15	10	0	0	56
APPROACH %'s :	54.55%	45.45%	55.00%	45.00%	60.00%	40.00%			
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	2	0	6	4	11	5	0	0	28
PEAK HR FACTOR :	0.500		0.375	0.500	0.458	0.625			0.538
	0.500		0.500		0.571				

Prepared by National Data & Surveying Services

Pennsylvania Dr & Main St

Peak Hour Turning Movement Count

ID: 19-08091-004
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS		COUNT PERIODS
AM	NONE	NONE
NOON	12:00 PM - 01:00 PM	11:00 AM - 01:00 PM
PM	NONE	NONE

Pennsylvania Dr — SOUTHBOUND

	U-turn	Left	Through	Right	Approach (in)
AM	0	0	0	0	0
NOON	44	4	101	0	202
PM	0	0	0	0	0
Peds/other	0	0	0	0	

Main St — EASTBOUND

	AM	NOON	PM	
Exit (out)	0	899	0	
U-turn	0	22	0	0
Left	0	124	0	0
Through	0	887	0	0
Right	0	13	0	0

Main St — WESTBOUND

		PM	NOON	AM
Right	0	0	73	0
Through	0	0	829	0
Left	0	0	8	0
U-turn	0	0	10	0
Approach (in)		0	1011	0

CONTROL

0

	AM	NOON	PM
TEV	0	2137	0
PHF		0.94	

Pennsylvania Dr — NORTHBOUND

	Exit (out)	U-turn	Left	Through	Right
		0	0	0	0
PM	0	0	0	0	0
NOON	25	0	4	5	13
AM	0	0	0	0	0

Total Vehicles (AM)

SB: N/A, N/A, N/A; EB: N/A, N/A, N/A; WB: N/A, N/A, N/A; NB: N/A, N/A, N/A

Total Vehicles (Noon)

SB: 44, 4, 101; EB: 124, 887, 13; WB: 73, 829, 8; NB: 4, 5, 13

Total Vehicles (PM)

SB: N/A, N/A, N/A; EB: N/A, N/A, N/A; WB: N/A, N/A, N/A; NB: N/A, N/A, N/A

Bikes (AM)

SB: N/A, N/A, N/A; EB: N/A, N/A, N/A; WB: N/A, N/A, N/A; NB: N/A, N/A, N/A

Bikes (NOON)

SB: 0, 0, 0; EB: 0, 2, 0; WB: 0, 0, 0; NB: 0, 0, 1

Bikes (PM)

SB: N/A, N/A, N/A; EB: N/A, N/A, N/A; WB: N/A, N/A, N/A; NB: N/A, N/A, N/A

Pedestrians (Crosswalks)

Crosswalk	AM	NOON	PM
North leg (eastbound)	0	1	0
North leg (westbound)	0	0	0
West leg (southbound)	0	2	0
West leg (northbound)	0	6	0
East leg (southbound)	0	10	0
East leg (northbound)	0	9	0
South leg (eastbound)	0	6	0
South leg (westbound)	0	3	0
NW diagonal	0	0	0
NE diagonal	0	0	0
SW diagonal	0	0	0
SE diagonal	0	0	0

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville
Control:

Project ID: 19-08091-004
Date: 2/21/2019

Total

NS/EW Streets:	Pennsylvania Dr				Pennsylvania Dr				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	2	4	0	25	1	5	0	22	153	3	2	1	186	17	1	422
11:15 AM	1	0	1	0	20	0	7	0	37	184	2	1	1	196	24	4	478
11:30 AM	0	1	2	0	27	1	9	0	25	178	1	2	3	186	21	3	459
11:45 AM	0	1	2	0	21	1	10	0	24	196	3	2	2	189	21	6	478
12:00 PM	1	0	1	0	22	1	15	0	31	200	3	2	0	205	15	1	497
12:15 PM	0	2	3	0	27	0	8	0	30	223	5	7	3	216	24	2	550
12:30 PM	1	2	6	0	23	1	10	0	32	202	2	5	2	216	16	4	522
12:45 PM	2	1	3	0	29	2	11	0	31	262	3	8	3	192	18	3	568
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	5	9	22	0	194	7	75	0	232	1598	22	29	15	1586	156	24	3974
APPROACH %'s :	13.89%	25.00%	61.11%	0.00%	70.29%	2.54%	27.17%	0.00%	12.33%	84.95%	1.17%	1.54%	0.84%	89.05%	8.76%	1.35%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	4	5	13	0	101	4	44	0	124	887	13	22	8	829	73	10	2137
PEAK HR FACTOR :	0.500	0.625	0.542	0.000	0.871	0.500	0.733	0.000	0.969	0.846	0.650	0.688	0.667	0.959	0.760	0.625	0.941
	0.611				0.887				0.860				0.939				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-004
Date: 2/21/2019

Bikes

NS/EW Streets:	Pennsylvania Dr				Pennsylvania Dr				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
11:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	2	0	0	0	0	0	0	2	0	0	1	2	0	0	7
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%					0.00%	100.00%	0.00%	0.00%	33.33%	66.67%	0.00%	0.00%	
PEAK HR :	**12:00 PM - 01:00 PM**																TOTAL
PEAK HR VOL :	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3
PEAK HR FACTOR :	0.00	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.750
			0.250							0.500							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pennsylvania Dr & Main St
City: Watsonville

Project ID: 19-08091-004
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Pennsylvania Dr		Pennsylvania Dr		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	0	1	2	2	0	1	2	8
11:15 AM	0	1	0	0	0	0	1	0	2
11:30 AM	1	0	3	2	3	3	1	2	15
11:45 AM	0	0	3	1	1	2	2	3	12
12:00 PM	0	0	3	0	1	3	0	1	8
12:15 PM	1	0	0	1	1	3	2	0	8
12:30 PM	0	0	5	2	6	0	2	0	15
12:45 PM	0	0	1	0	1	4	2	1	9
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	2	1	16	8	15	15	11	9	77
APPROACH %'s :	66.67%	33.33%	66.67%	33.33%	50.00%	50.00%	55.00%	45.00%	
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	1	0	9	3	9	10	6	2	40
PEAK HR FACTOR :	0.250		0.450	0.375	0.375	0.625	0.750	0.500	0.667
	0.250		0.429		0.792		0.667		

Prepared by National Data & Surveying Services

Auto Center Dr & Main St

Peak Hour Turning Movement Count

ID: 19-08091-005
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM	NOON	PM
NONE	12:00 PM - 01:00 PM	NONE

COUNT PERIODS

AM	NOON	PM
NONE	11:00 AM - 01:00 PM	NONE

Auto Center Dr — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	196	3	188	0	385	NOON
PM	0	0	0	0	0	PM

Main St — EASTBOUND

AM	NOON	PM	
0	926	0	
0	13	0	0
0	196	0	0
0	798	0	0
0	1	0	0
AM	NOON	PM	

CONTROL

0

	AM	NOON	PM
TEV	0	2303	0
PHF		0.94	

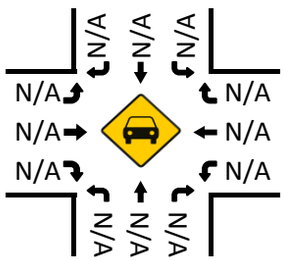
WESTBOUND — Main St

PM	NOON	AM	
0	188	0	0
0	716	0	0
0	2	0	0
0	0	0	0
0	986	0	
PM	NOON	AM	

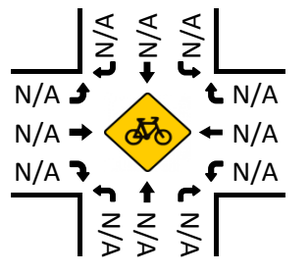
Auto Center Dr — NORTHBOUND

PM	0	0	0	0	0	PM
NOON	6	0	1	1	0	NOON
AM	0	0	0	0	0	AM

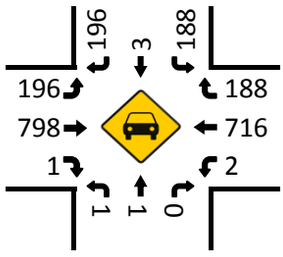
Total Vehicles (AM)



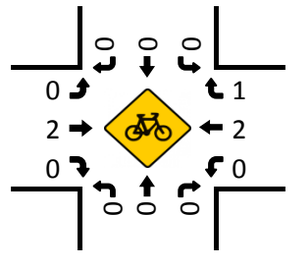
Bikes (AM)



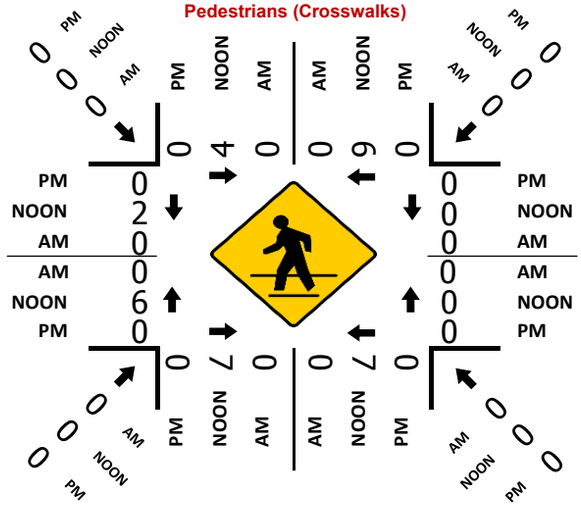
Total Vehicles (Noon)



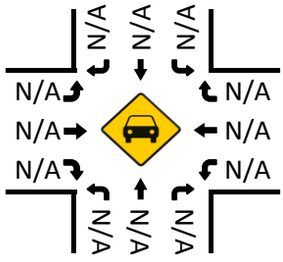
Bikes (NOON)



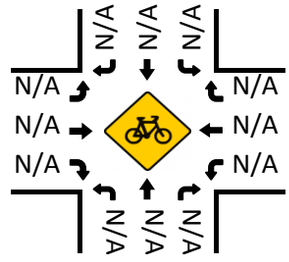
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville
Control:

Project ID: 19-08091-005
Date: 2/21/2019

Total

NS/EW Streets:	Auto Center Dr				Auto Center Dr				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	TOTAL
11:00 AM	0	0	0	0	49	0	46	0	35	135	1	0	0	155	38	0	459
11:15 AM	0	1	1	0	41	0	54	0	41	173	0	1	0	162	47	0	521
11:30 AM	0	0	0	0	54	1	44	0	48	162	0	2	0	163	58	0	532
11:45 AM	0	1	0	0	38	1	38	0	41	178	0	1	0	178	48	1	525
12:00 PM	0	0	0	0	51	1	51	0	44	184	0	2	0	164	57	0	554
12:15 PM	0	0	0	0	41	1	44	0	49	198	0	3	0	201	46	0	583
12:30 PM	0	0	0	0	54	0	53	0	43	186	0	3	2	178	34	0	553
12:45 PM	1	1	0	0	42	1	48	0	60	230	1	5	0	173	51	0	613
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	3	1	0	370	5	378	0	361	1446	2	17	2	1374	379	1	4340
APPROACH %'s :	20.00%	60.00%	20.00%	0.00%	49.14%	0.66%	50.20%	0.00%	19.77%	79.19%	0.11%	0.93%	0.11%	78.25%	21.58%	0.06%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	1	1	0	0	188	3	196	0	196	798	1	13	2	716	188	0	2303
PEAK HR FACTOR :	0.250	0.250	0.000	0.000	0.870	0.750	0.925	0.000	0.817	0.867	0.250	0.650	0.250	0.891	0.825	0.000	0.939
	0.250				0.904				0.851				0.917				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-005
Date: 2/21/2019

Bikes

NS/EW Streets:	Auto Center Dr				Auto Center Dr				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	3
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	3
11:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	1	0	1	0	0	0	0	3	0	0	0	2	5	0	12
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	28.57%	71.43%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	0	0	0	2	1	0	5
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.250	0.000	0.625
										0.500				0.375			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Auto Center Dr & Main St
City: Watsonville

Project ID: 19-08091-005
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Auto Center Dr		Auto Center Dr		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	1	0	3	1	0	0	1	1	7
11:15 AM	1	3	4	0	0	0	1	3	12
11:30 AM	0	2	1	2	0	0	0	0	5
11:45 AM	3	2	1	0	0	0	1	1	8
12:00 PM	1	1	4	0	0	0	0	2	8
12:15 PM	0	1	1	5	0	0	4	0	11
12:30 PM	1	2	0	0	0	0	0	0	3
12:45 PM	2	5	2	2	0	0	2	0	13
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	9	16	16	10	0	0	9	7	67
APPROACH %'s :	36.00%	64.00%	61.54%	38.46%			56.25%	43.75%	
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	4	9	7	7	0	0	6	2	35
PEAK HR FACTOR :	0.500	0.450	0.438	0.350			0.375	0.250	0.673
	0.464		0.583				0.500		

Prepared by National Data & Surveying Services

Rodriguez St & Main St

Peak Hour Turning Movement Count

ID: 19-08091-006
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM: NONE
NOON: 12:00 PM - 01:00 PM
PM: NONE

COUNT PERIODS

AM: NONE
NOON: 11:00 AM - 01:00 PM
PM: NONE

Rodriguez St — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

Main St — EASTBOUND

AM	NOON	PM	
0	903	0	⇦
0	0	0	↶ 0
0	0	0	↱ 0
0	821	0	→ 0
0	164	0	↷ 0
AM	NOON	PM	

Main St — WESTBOUND

PM	NOON	AM	
0	0	0	0 ↰
0	699	0	0 ←
0	13	0	0 ↰
0	0	0	0 ↶
			⇨
0	837	0	
PM	NOON	AM	

CONTROL: 0

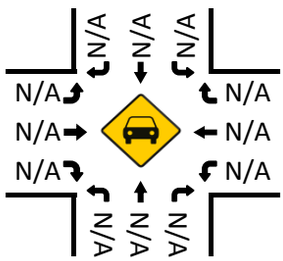
	AM	NOON	PM
TEV	0	1917	0
PHF		0.94	

Rodriguez St — NORTHBOUND

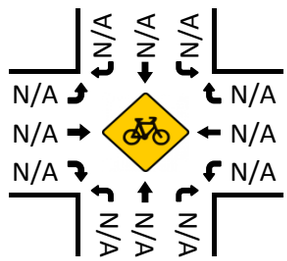
PM	0	0	0	0	0	PM
NOON	177	0	204	0	16	NOON
AM	0	0	0	0	0	AM

0 0 0 0 ↰ ↰ ↑ ↱

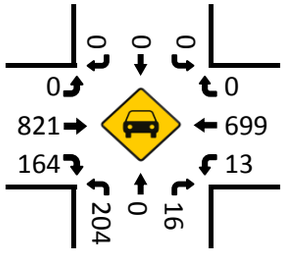
Total Vehicles (AM)



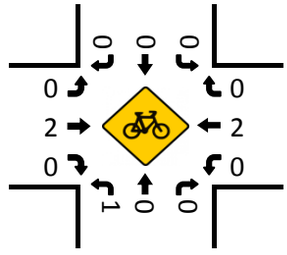
Bikes (AM)



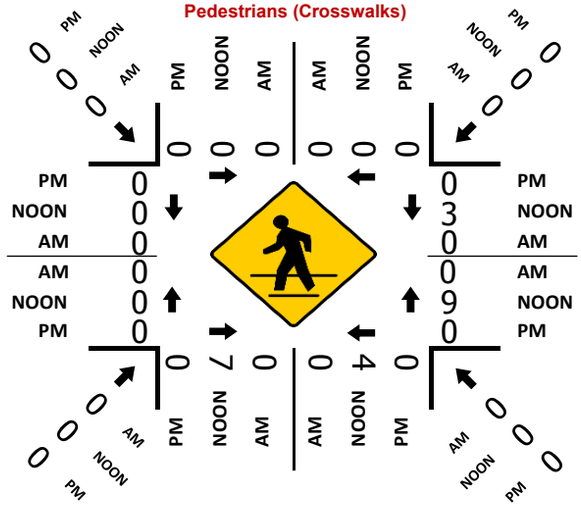
Total Vehicles (Noon)



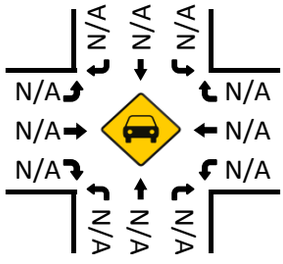
Bikes (NOON)



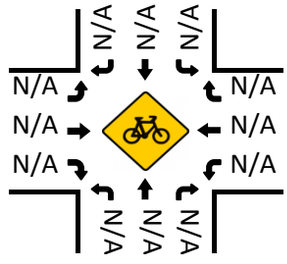
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville
Control:

Project ID: 19-08091-006
Date: 2/21/2019

Total

NS/EW Streets:	Rodriguez St				Rodriguez St				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	TOTAL
11:00 AM	46	0	2	0	0	0	0	0	0	145	31	0	1	152	0	0	377
11:15 AM	57	0	2	0	0	0	0	0	0	181	38	0	1	156	0	0	435
11:30 AM	58	0	0	0	0	0	0	0	0	171	49	0	5	162	0	0	445
11:45 AM	56	0	3	0	0	0	0	0	0	174	38	0	3	165	0	0	439
12:00 PM	53	0	4	0	0	0	0	0	0	179	38	0	1	165	0	0	440
12:15 PM	57	0	3	0	0	0	0	0	0	209	48	0	5	188	0	0	510
12:30 PM	45	0	5	0	0	0	0	0	0	195	36	0	6	171	0	0	458
12:45 PM	49	0	4	0	0	0	0	0	0	238	42	0	1	175	0	0	509
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	421	0	23	0	0	0	0	0	0	1492	320	0	23	1334	0	0	3613
APPROACH %'s :	94.82%	0.00%	5.18%	0.00%					0.00%	82.34%	17.66%	0.00%	1.69%	98.31%	0.00%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	204	0	16	0	0	0	0	0	0	821	164	0	13	699	0	0	1917
PEAK HR FACTOR :	0.895	0.000	0.800	0.000	0.000	0.000	0.000	0.000	0.000	0.862	0.854	0.000	0.542	0.930	0.000	0.000	0.940
	0.917								0.879				0.922				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville
Control: 0

Project ID: 19-08091-006
Date: 2/21/2019

Bikes

NS/EW Streets:	Rodriguez St				Rodriguez St				Main St				Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
11:30 AM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
11:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:30 PM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	0	0	0	0	0	0	0	0	4	1	0	0	4	0	0	12
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%					0.00%	80.00%	20.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	**12:00 PM - 01:00 PM**																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	5
PEAK HR FACTOR :	0.25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.250	0.000	0.000	0.625
		0.250								0.500				0.250			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Rodriguez St & Main St
City: Watsonville

Project ID: 19-08091-006
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Rodriguez St		Rodriguez St		Main St		Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	0	2	0	0	1	0	0	3
11:15 AM	0	0	3	0	1	0	0	0	4
11:30 AM	0	0	0	3	3	0	0	0	6
11:45 AM	0	0	1	0	0	0	0	0	1
12:00 PM	0	0	4	0	0	1	0	0	5
12:15 PM	0	0	3	2	0	1	0	0	6
12:30 PM	0	0	0	1	8	1	0	0	10
12:45 PM	0	0	0	1	1	0	0	0	2
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	13	7	13	4	0	0	37
APPROACH %'s :			65.00%	35.00%	76.47%	23.53%			
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	0	0	7	4	9	3	0	0	23
PEAK HR FACTOR :			0.438	0.500	0.281	0.750			0.575
			0.550		0.333				

Prepared by National Data & Surveying Services

Main St/Western Dr & Freedom Blvd/ Main St

Peak Hour Turning Movement Count

ID: 19-08091-007
City: Watsonville

Day: Thursday
Date: 02/21/2019

PEAK HOURS

AM	NONE
NOON	12:00 PM - 01:00 PM
PM	NONE

COUNT PERIODS

AM	NONE
NOON	11:00 AM - 01:00 PM
PM	NONE

Main St/Western Dr — SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	30	16	15	0	30	NOON
PM	0	0	0	0	0	PM

Freedom Blvd/ Main St — EASTBOUND

AM	NOON	PM	
0	718	0	⇦
0	1	0	↶ 0
0	18	0	↱ 0
0	271	0	→ 0
0	540	0	↷ 0
AM	NOON	PM	

Freedom Blvd/ Main St — WESTBOUND

PM	NOON	AM	
0	0	0	0 ↰
0	191	0	0 ←
0	312	0	0 ↶
0	0	0	0 ↷
0	633	0	⇨
PM	NOON	AM	

CONTROL: 0

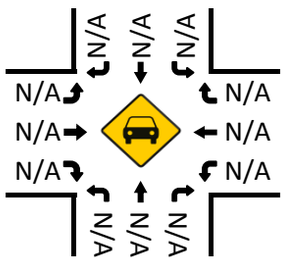
	AM	NOON	PM
TEV	0	2249	0
PHF		0.95	

Main St/Western Dr — NORTHBOUND

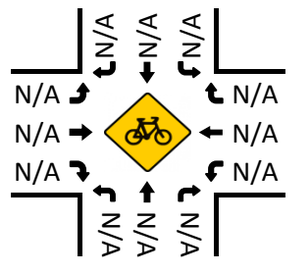
PM	0	0	0	0	0	PM
NOON	868	0	496	12	347	NOON
AM	0	0	0	0	0	AM

Main St/Western Dr

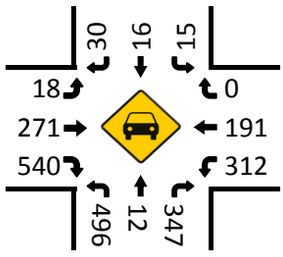
Total Vehicles (AM)



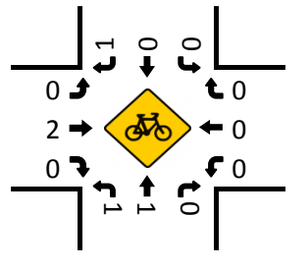
Bikes (AM)



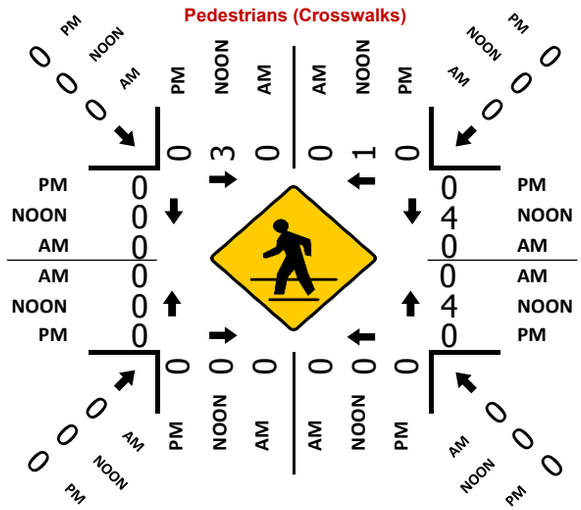
Total Vehicles (Noon)



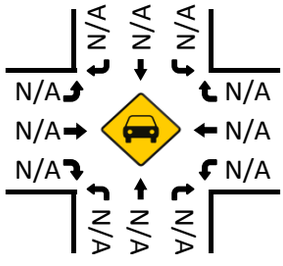
Bikes (NOON)



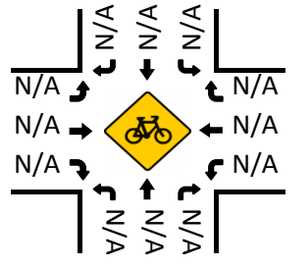
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/ Main St
City: Watsonville
Control:

Project ID: 19-08091-007
Date: 2/21/2019

Total

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/ Main St				Freedom Blvd/ Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	95	5	67	0	7	2	2	0	3	44	105	0	63	50	0	0	443
11:15 AM	112	2	68	0	4	1	8	0	6	72	110	0	82	47	0	0	512
11:30 AM	98	4	70	0	5	4	6	0	3	47	115	0	54	59	0	0	465
11:45 AM	113	5	89	0	3	6	10	0	5	67	114	0	66	48	0	0	526
12:00 PM	128	6	105	0	4	3	6	0	5	64	121	0	68	41	0	0	551
12:15 PM	124	2	85	0	2	5	6	0	3	56	131	0	82	58	0	0	554
12:30 PM	125	3	80	0	3	3	10	0	8	69	128	1	83	37	0	0	550
12:45 PM	119	1	77	0	6	5	8	0	2	82	160	0	79	55	0	0	594
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	914	28	641	0	34	29	56	0	35	501	984	1	577	395	0	0	4195
APPROACH %'s :	57.74%	1.77%	40.49%	0.00%	28.57%	24.37%	47.06%	0.00%	2.30%	32.94%	64.69%	0.07%	59.36%	40.64%	0.00%	0.00%	
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	496	12	347	0	15	16	30	0	18	271	540	1	312	191	0	0	2249
PEAK HR FACTOR :	0.969	0.500	0.826	0.000	0.625	0.800	0.750	0.000	0.563	0.826	0.844	0.250	0.940	0.823	0.000	0.000	0.947
	0.894				0.803				0.850				0.898				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/ Main St
City: Watsonville
Control: 0

Project ID: 19-08091-007
Date: 2/21/2019

Bikes

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/ Main St				Freedom Blvd/ Main St				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
11:45 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12:30 PM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
12:45 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	1	0	0	0	1	2	0	0	4	0	0	0	0	0	0	10
APPROACH %'s :	66.67%	33.33%	0.00%	0.00%	0.00%	33.33%	66.67%	0.00%	0.00%	100.00%	0.00%	0.00%					
PEAK HR :	12:00 PM - 01:00 PM																TOTAL
PEAK HR VOL :	1	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	5
PEAK HR FACTOR :	0.25	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.625
		0.500				0.250				0.500							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/ Main St
City: Watsonville

Project ID: 19-08091-007
Date: 2/21/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Main St/Western Dr		Main St/Western Dr		Freedom Blvd/ Main St		Freedom Blvd/ Main St		
NOON	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
11:00 AM	0	2	0	0	2	0	0	0	4
11:15 AM	1	1	0	0	0	0	0	0	2
11:30 AM	1	0	0	0	1	2	0	0	4
11:45 AM	3	0	0	0	0	2	0	0	5
12:00 PM	1	0	0	0	2	4	0	0	7
12:15 PM	0	0	0	0	0	0	0	0	0
12:30 PM	2	0	0	0	1	0	0	0	3
12:45 PM	0	1	0	0	1	0	0	0	2
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	8	4	0	0	7	8	0	0	27
APPROACH %'s :	66.67%	33.33%			46.67%	53.33%			
PEAK HR :	**12:00 PM - 01:00 PM**								TOTAL
PEAK HR VOL :	3	1	0	0	4	4	0	0	12
PEAK HR FACTOR :	0.375	0.250			0.500	0.250			0.429
	0.500				0.333				

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.6	0.6	0.5
Total Del/Veh (s)	35.0	41.6	45.3	34.4	39.0

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	5.9	6.3	22.5	31.8	7.9

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.3	0.4
Total Del/Veh (s)	24.6	25.7	40.5	66.7	36.0

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.2	0.3
Total Del/Veh (s)	14.1	5.2	43.3	41.8	13.4

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.8	0.3
Total Del/Veh (s)	11.9	10.8	5.5	28.0	14.2

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.4	0.1
Total Del/Veh (s)	4.0	6.1	47.9	9.9

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.4	2.6	0.7
Total Del/Veh (s)	22.4	42.8	16.6	27.5	25.1

Total Network Performance

Denied Del/Veh (s)	0.9
Total Del/Veh (s)	62.8

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.8	0.1	0.5	0.6	0.5
Total Del/Veh (s)	51.7	49.8	57.6	40.5	50.4

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	12.9	9.7	26.2	38.3	14.7

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.3	0.3
Total Del/Veh (s)	56.4	42.5	46.9	85.0	54.1

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.2	0.2
Total Del/Veh (s)	20.9	9.4	31.6	48.1	18.6

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.6	0.3
Total Del/Veh (s)	15.2	15.2	28.9	33.6	18.2

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.1
Total Del/Veh (s)	7.5	7.7	48.0	12.0

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.1	2.5	0.5
Total Del/Veh (s)	23.0	43.1	27.7	32.8	29.3

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	85.7

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.5	0.0	0.5	0.6	0.4
Total Del/Veh (s)	26.8	28.4	34.0	27.5	28.8

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	15.3	15.3	10.6	14.2	14.9

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.0	1.3	0.4
Total Del/Veh (s)	22.7	26.0	57.8	59.3	35.9

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.6	0.1
Total Del/Veh (s)	13.6	14.5	8.9	13.1	13.9

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.3	0.2
Total Del/Veh (s)	13.7	17.9	24.3	17.5	16.0

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.1
Total Del/Veh (s)	9.1	7.2	15.5	9.1

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	0.8	2.1	0.4
Total Del/Veh (s)	17.1	31.9	16.2	22.8	20.3

Total Network Performance

Denied Del/Veh (s)	0.7
Total Del/Veh (s)	61.6

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.6	0.5	0.5
Total Del/Veh (s)	36.8	36.4	48.4	33.8	38.8

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	7.6	5.2	24.6	31.3	8.2

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.2	0.4
Total Del/Veh (s)	27.5	34.9	42.6	62.9	39.1

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.2	0.3
Total Del/Veh (s)	9.8	5.9	37.9	43.5	11.9

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	17.0	12.8	41.0	30.5	18.8

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.7	0.1
Total Del/Veh (s)	5.3	6.2	47.1	10.4

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.3	2.5	0.7
Total Del/Veh (s)	15.5	41.6	18.5	28.2	23.3

8: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	2.1	1.4	6.2	1.8

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	64.1

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.8	0.1	0.5	0.6	0.5
Total Del/Veh (s)	56.2	53.2	57.8	39.6	52.8

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	12.4	9.5	25.7	38.1	14.2

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.3	0.3
Total Del/Veh (s)	57.7	44.8	48.1	81.6	55.0

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.2	0.3
Total Del/Veh (s)	20.7	8.1	33.7	45.6	17.7

5: East Access/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.2	0.2	0.1
Total Del/Veh (s)	16.3	19.6	44.1	36.2	21.8

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.8	0.1
Total Del/Veh (s)	6.6	8.8	48.8	12.1

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.0	2.4	0.5
Total Del/Veh (s)	20.4	44.2	29.0	31.3	28.8

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	5.2	1.7	18.5	3.8

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	87.7

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.4	0.0	0.5	0.6	0.4
Total Del/Veh (s)	27.8	28.5	34.8	29.9	29.8

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	14.6	15.1	10.8	14.3	14.6

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.0	1.2	0.4
Total Del/Veh (s)	25.3	27.0	52.3	48.7	34.5

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.8	0.1
Total Del/Veh (s)	14.8	12.2	8.8	13.9	13.6

5: East Access/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	26.2	30.9	25.2	24.6	27.6

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	1.0	0.1
Total Del/Veh (s)	10.8	7.5	15.4	10.0

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	0.8	2.1	0.4
Total Del/Veh (s)	17.9	33.3	16.5	21.4	20.8

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	5.1	2.6	9.8	4.0

Total Network Performance

Denied Del/Veh (s)	0.6
Total Del/Veh (s)	65.5

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.7	0.5	0.5
Total Del/Veh (s)	31.6	39.8	40.0	35.1	36.4

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	7.0	6.5	28.4	27.7	8.5

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.5	0.4
Total Del/Veh (s)	21.5	20.0	38.8	35.9	26.4

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.3	0.3
Total Del/Veh (s)	14.2	5.3	41.8	44.9	14.3

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.7	0.3
Total Del/Veh (s)	12.6	12.3	31.1	15.8

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.4	0.1
Total Del/Veh (s)	6.2	10.6	49.1	15.2

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.5	2.2	0.7
Total Del/Veh (s)	17.9	41.4	17.7	33.3	23.8

Total Network Performance

Denied Del/Veh (s)	0.9
Total Del/Veh (s)	59.3

LANE SUMMARY

Site: 7 [Cum AM Main_Freedom]

Cumulative AM
Site Category: (None)
Roundabout

Lane Use and Performance

	Demand Flows Total veh/h	HV %	Cap. veh/h	Deg. Satn v/c	Lane Util. %	Average Delay sec	Level of Service	95% Back of Queue Veh	Dist ft	Lane Config	Lane Length ft	Cap. Adj. %	Prob. Block. %
South: Main Street													
Lane 1	445	3.0	1058	0.420	100	7.9	LOS A	2.2	56.4	Full	1600	0.0	0.0
Lane 2[d]	479	2.1	1141	0.420	100	7.5	LOS A	2.2	55.8	Full	1600	0.0	0.0
Approach	924	2.6		0.420		7.7	LOS A	2.2	56.4				
NorthEast: Freedom Blvd													
Lane 1	239	2.0	783	0.306	100	8.1	LOS A	1.3	32.3	Full	1600	0.0	0.0
Lane 2[d]	262	2.0	857	0.306	100	7.6	LOS A	1.3	32.0	Short	250	0.0	NA
Approach	501	2.0		0.306		7.8	LOS A	1.3	32.3				
North: Western Drive													
Lane 1[d]	103	2.0	574	0.180	100	8.5	LOS A	0.6	15.8	Full	1600	0.0	0.0
Approach	103	2.0		0.180		8.5	LOS A	0.6	15.8				
NorthWest: Main Street													
Lane 1	361	2.4	890	0.406	100	8.8	LOS A	2.0	50.9	Full	1600	0.0	0.0
Lane 2[d]	389	3.0	959	0.406	100	8.3	LOS A	1.9	48.7	Full	1600	0.0	0.0
Approach	750	2.7		0.406		8.6	LOS A	2.0	50.9				
Intersection	2278	2.5		0.420		8.1	LOS A	2.2	56.4				

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

d Dominant lane on roundabout approach

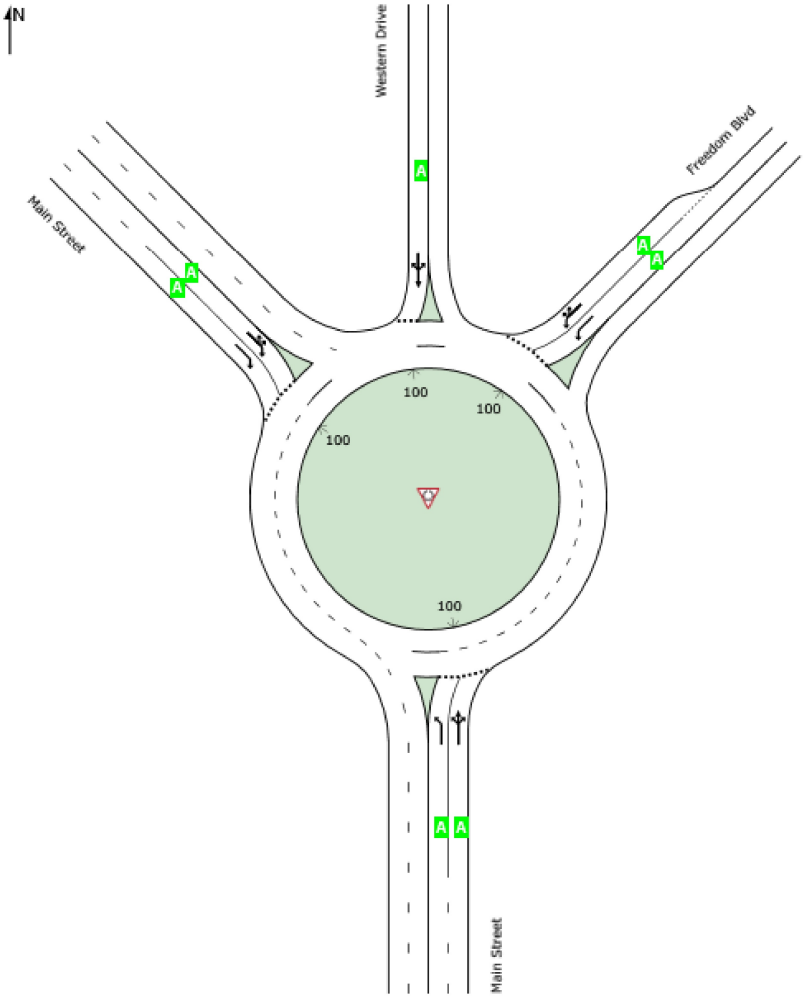
LANE LEVEL OF SERVICE

Lane Level of Service

Site: 7 [Cum AM Main_Freedom]

Cumulative AM
Site Category: (None)
Roundabout

	Approaches				Intersection
	South	Northeast	North	Northwest	
LOS	A	A	A	A	A



Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Sign Control.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

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1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.6	0.5	0.5
Total Del/Veh (s)	43.9	39.0	70.7	38.0	47.1

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	10.1	7.4	25.2	30.2	11.8

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.5	0.3
Total Del/Veh (s)	22.4	21.9	43.4	43.5	27.7

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.3	0.3
Total Del/Veh (s)	14.4	11.1	30.8	45.6	16.0

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.5	0.3
Total Del/Veh (s)	11.2	22.2	36.2	19.4

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.6	0.1
Total Del/Veh (s)	17.4	15.2	59.2	24.1

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.1	2.0	0.5
Total Del/Veh (s)	21.2	40.2	26.1	36.2	27.3

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	74.8

LANE SUMMARY

Site: 7 [Cum PM Main_Freedom]

Cumulative PM
Site Category: (None)
Roundabout

Lane Use and Performance	Demand Flows Total veh/h	HV %	Cap. veh/h	Deg. Satn v/c	Lane Util. %	Average Delay sec	Level of Service	95% Back of Queue Veh	Dist ft	Lane Config	Lane Length ft	Cap. Adj. %	Prob. Block. %
South: Main Street													
Lane 1	550	3.0	890	0.619	100	13.5	LOS B	6.1	155.9	Full	1600	0.0	0.0
Lane 2[d]	602	2.1	973	0.619	100	12.6	LOS B	6.2	158.1	Full	1600	0.0	0.0
Approach	1152	2.5		0.619		13.0	LOS B	6.2	158.1				
NorthEast: Freedom Blvd													
Lane 1	318	2.0	707	0.450	100	11.4	LOS B	2.5	63.2	Full	1600	0.0	0.0
Lane 2[d]	351	2.0	780	0.450	100	10.6	LOS B	2.5	63.4	Short	250	0.0	NA
Approach	668	2.0		0.450		11.0	LOS B	2.5	63.4				
North: Western Drive													
Lane 1[d]	103	2.0	469	0.220	100	10.9	LOS B	0.7	18.8	Full	1600	0.0	0.0
Approach	103	2.0		0.220		10.9	LOS B	0.7	18.8				
NorthWest: Main Street													
Lane 1	623	2.4	804	0.775	100	21.9	LOS C	10.8	274.2	Full	1600	0.0	0.0
Lane 2[d]	676	3.0	873	0.775	100	20.6	LOS C	11.1	284.1	Full	1600	0.0	0.0
Approach	1299	2.7		0.775		21.2	LOS C	11.1	284.1				
Intersection	3223	2.5		0.775		15.8	LOS B	11.1	284.1				

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

d Dominant lane on roundabout approach

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.4	0.0	0.6	0.5	0.4
Total Del/Veh (s)	32.5	30.6	31.3	26.9	30.7

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	16.0	15.1	11.2	14.5	15.2

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.0	1.5	0.3
Total Del/Veh (s)	22.5	25.1	33.7	28.9	25.8

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.9	0.1
Total Del/Veh (s)	15.2	15.8	10.3	14.9	15.3

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.1	0.2
Total Del/Veh (s)	14.3	19.9	24.6	18.2

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.1
Total Del/Veh (s)	13.4	8.9	22.8	13.6

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	0.9	1.8	0.4
Total Del/Veh (s)	16.7	38.8	16.6	24.7	21.5

Total Network Performance

Denied Del/Veh (s)	0.7
Total Del/Veh (s)	61.4

LANE SUMMARY

Site: 7 [Cum Mid Day Main_Freedom]

Cumulative Mid Day
Site Category: (None)
Roundabout

Lane Use and Performance

	Demand Flows Total veh/h	HV %	Cap. veh/h	Deg. Satn v/c	Lane Util. %	Average Delay sec	Level of Service	95% Back of Queue Veh	Dist ft	Lane Config	Lane Length ft	Cap. Adj. %	Prob. Block. %
South: Main Street													
Lane 1	512	3.0	1011	0.506	100	9.7	LOS A	3.1	79.4	Full	1600	0.0	0.0
Lane 2[d]	554	2.1	1094	0.506	100	9.1	LOS A	2.9	74.4	Full	1600	0.0	0.0
Approach	1065	2.5		0.506		9.4	LOS A	3.1	79.4				
NorthEast: Freedom Blvd													
Lane 1	275	2.0	747	0.368	100	9.4	LOS A	1.7	43.6	Full	1600	0.0	0.0
Lane 2[d]	302	2.0	821	0.368	100	8.8	LOS A	1.7	42.8	Short	250	0.0	NA
Approach	577	2.0		0.368		9.1	LOS A	1.7	43.6				
North: Western Drive													
Lane 1[d]	71	2.0	513	0.138	100	8.8	LOS A	0.5	11.6	Full	1600	0.0	0.0
Approach	71	2.0		0.138		8.8	LOS A	0.5	11.6				
NorthWest: Main Street													
Lane 1	472	2.4	845	0.559	100	12.3	LOS B	4.4	113.1	Full	1600	0.0	0.0
Lane 2[d]	511	3.0	915	0.559	100	11.6	LOS B	4.4	113.6	Full	1600	0.0	0.0
Approach	984	2.7		0.559		11.9	LOS B	4.4	113.6				
Intersection	2697	2.5		0.559		10.2	LOS B	4.4	113.6				

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

d Dominant lane on roundabout approach

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.7	0.5	0.5
Total Del/Veh (s)	33.2	37.8	39.6	35.0	36.2

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	9.4	6.0	28.4	29.5	9.5

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.5	0.4
Total Del/Veh (s)	23.6	31.4	40.0	33.1	30.1

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.2	0.3
Total Del/Veh (s)	9.0	6.9	51.0	45.2	12.7

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	18.8	13.8	43.0	34.4	21.1

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.7	0.1
Total Del/Veh (s)	8.5	11.0	47.6	16.1

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.5	2.0	0.7
Total Del/Veh (s)	13.2	40.7	19.9	34.9	22.9

8: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	2.7	1.5	9.1	2.2

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	62.1

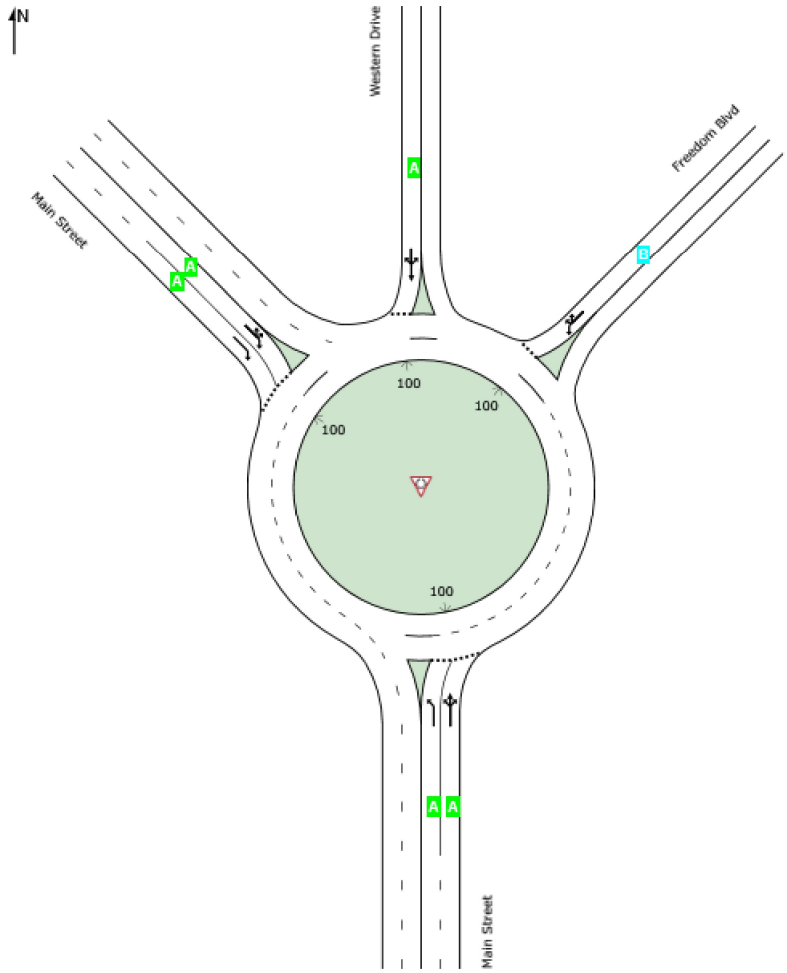
LANE LEVEL OF SERVICE

Lane Level of Service

Site: 7 [Cum plus Project AM Main_Freedom]

Cumulative plus Project AM
1 Lane Freedom Blvd Approach
Site Category: (None)
Roundabout

	Approaches				Intersection
	South	Northeast	North	Northwest	
LOS	A	B	A	A	A



Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

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1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.7	0.5	0.5
Total Del/Veh (s)	31.9	36.0	39.1	36.2	35.5

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	10.0	5.9	31.5	26.2	9.6

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.5	0.4
Total Del/Veh (s)	23.4	31.1	38.6	35.2	30.2

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.2	0.3
Total Del/Veh (s)	8.9	6.7	44.8	44.1	12.4

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	18.1	14.4	43.6	31.4	20.2

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.7	0.1
Total Del/Veh (s)	8.7	10.6	47.7	16.0

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.4	2.1	0.7
Total Del/Veh (s)	13.9	40.9	20.4	33.8	23.4

8: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	2.6	1.6	7.9	2.2

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	61.6

MOVEMENT SUMMARY

Site: 7 [Cum plus Project AM Main_Freedom]

Cumulative plus Project AM
Site Category: (None)
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
South: Main Street												
3a	L1	539	3.0	0.435	8.2	LOS A	2.3	59.1	0.48	0.37	0.48	31.6
8	T1	16	2.0	0.435	7.8	LOS A	2.3	58.5	0.47	0.35	0.47	27.9
18a	R1	391	2.0	0.435	7.8	LOS A	2.3	58.5	0.47	0.35	0.47	27.6
Approach		947	2.6	0.435	8.0	LOS A	2.3	59.1	0.48	0.37	0.48	29.8
NorthEast: Freedom Blvd												
1ax	L1	364	2.0	0.319	8.3	LOS A	1.3	33.8	0.60	0.60	0.60	26.4
16x	R2	148	2.0	0.319	7.9	LOS A	1.3	33.5	0.58	0.58	0.58	26.5
16bx	R3	1	2.0	0.319	7.9	LOS A	1.3	33.5	0.58	0.58	0.58	22.5
Approach		513	2.0	0.319	8.2	LOS A	1.3	33.8	0.59	0.59	0.59	26.5
North: Western Drive												
7b	L3	22	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	24.1
4	T1	33	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	27.1
14b	R3	49	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	26.2
Approach		103	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	26.0
NorthWest: Main Street												
7bx	L3	22	2.0	0.424	9.1	LOS A	2.2	57.0	0.59	0.58	0.66	27.8
7x	L2	197	2.0	0.424	9.1	LOS A	2.2	57.0	0.59	0.58	0.66	27.3
14ax	R1	565	3.0	0.424	8.8	LOS A	2.2	57.0	0.58	0.55	0.62	32.7
Approach		784	2.7	0.424	8.8	LOS A	2.2	57.0	0.58	0.56	0.63	31.0
All Vehicles		2347	2.5	0.435	8.4	LOS A	2.3	59.1	0.54	0.49	0.56	29.2

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 7 [Cum plus Project AM Main_Freedom]

Cumulative plus Project AM
1 Lane Freedom Blvd Approach
Site Category: (None)
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
South: Main Street												
3a	L1	539	3.0	0.435	8.2	LOS A	2.3	59.1	0.48	0.37	0.48	31.6
8	T1	16	2.0	0.435	7.8	LOS A	2.3	58.5	0.47	0.35	0.47	27.9
18a	R1	391	2.0	0.435	7.8	LOS A	2.3	58.5	0.47	0.35	0.47	27.6
Approach		947	2.6	0.435	8.0	LOS A	2.3	59.1	0.48	0.37	0.48	29.8
NorthEast: Freedom Blvd												
1ax	L1	364	2.0	0.611	13.8	LOS B	5.2	131.9	0.74	1.02	1.27	25.0
16x	R2	148	2.0	0.611	13.8	LOS B	5.2	131.9	0.74	1.02	1.27	24.6
16bx	R3	1	2.0	0.611	13.8	LOS B	5.2	131.9	0.74	1.02	1.27	21.1
Approach		513	2.0	0.611	13.8	LOS B	5.2	131.9	0.74	1.02	1.27	24.9
North: Western Drive												
7b	L3	22	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	24.1
4	T1	33	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	27.1
14b	R3	49	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	26.2
Approach		103	2.0	0.185	8.9	LOS A	0.6	16.2	0.65	0.65	0.65	26.0
NorthWest: Main Street												
7bx	L3	22	2.0	0.424	9.1	LOS A	2.2	57.0	0.59	0.58	0.66	27.8
7x	L2	197	2.0	0.424	9.1	LOS A	2.2	57.0	0.59	0.58	0.66	27.3
14ax	R1	565	3.0	0.424	8.8	LOS A	2.2	57.0	0.58	0.55	0.62	32.7
Approach		784	2.7	0.424	8.8	LOS A	2.2	57.0	0.58	0.56	0.63	31.0
All Vehicles		2347	2.5	0.611	9.6	LOS A	5.2	131.9	0.58	0.59	0.71	28.7

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.0	0.6	0.5	0.5
Total Del/Veh (s)	50.0	34.5	57.6	39.1	46.0

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	11.4	13.9	23.7	30.4	14.7

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.5	0.3
Total Del/Veh (s)	24.5	29.5	44.1	48.1	31.5

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.3	0.2
Total Del/Veh (s)	18.0	8.4	27.7	43.0	16.5

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.9	1.6	0.4
Total Del/Veh (s)	18.6	25.1	38.8	35.7	24.6

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.8	0.1
Total Del/Veh (s)	13.2	15.1	62.9	22.3

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.0	2.0	0.5
Total Del/Veh (s)	20.0	43.5	33.4	35.7	30.3

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	6.1	1.9	24.9	4.6

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	79.1

MOVEMENT SUMMARY

Site: 7 [Cumulative plus Project PM Main_Freedom]

Cumulative plus Project PM
Site Category: (None)
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
South: Main Street												
3a	L1	613	3.0	0.640	14.2	LOS B	6.8	173.0	0.73	0.93	1.26	29.1
8	T1	38	2.0	0.640	13.3	LOS B	6.8	173.0	0.72	0.90	1.23	26.3
18a	R1	527	2.0	0.640	13.3	LOS B	6.8	173.0	0.72	0.90	1.23	26.0
Approach		1178	2.5	0.640	13.8	LOS B	6.8	173.0	0.73	0.91	1.24	27.5
NorthEast: Freedom Blvd												
1ax	L1	473	2.0	0.469	11.8	LOS B	2.7	68.1	0.69	0.84	0.99	25.4
16x	R2	202	2.0	0.469	11.2	LOS B	2.7	68.1	0.68	0.82	0.97	25.5
16bx	R3	5	2.0	0.469	11.2	LOS B	2.7	68.1	0.68	0.82	0.97	21.8
Approach		680	2.0	0.469	11.6	LOS B	2.7	68.1	0.69	0.83	0.99	25.4
North: Western Drive												
7b	L3	22	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	23.4
4	T1	33	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	26.3
14b	R3	49	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	25.4
Approach		103	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	25.2
NorthWest: Main Street												
7bx	L3	38	2.0	0.796	23.5	LOS C	11.9	302.3	0.90	1.32	2.07	23.6
7x	L2	365	2.0	0.796	23.5	LOS C	11.9	302.3	0.90	1.32	2.07	23.3
14ax	R1	932	3.0	0.796	22.4	LOS C	12.3	314.0	0.89	1.32	2.06	27.3
Approach		1335	2.7	0.796	22.7	LOS C	12.3	314.0	0.89	1.32	2.06	26.0
All Vehicles		3297	2.5	0.796	16.9	LOS B	12.3	314.0	0.79	1.06	1.51	26.4

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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MOVEMENT SUMMARY

Site: 7 [Cumulative plus Project PM Main_Freedom]

Cumulative plus Project PM
Single Lane Approach - Freedom Blvd
Site Category: (None)
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
South: Main Street												
3a	L1	613	3.0	0.640	14.2	LOS B	6.8	173.0	0.73	0.93	1.26	29.1
8	T1	38	2.0	0.640	13.3	LOS B	6.8	173.0	0.72	0.90	1.23	26.3
18a	R1	527	2.0	0.640	13.3	LOS B	6.8	173.0	0.72	0.90	1.23	26.0
Approach		1178	2.5	0.640	13.8	LOS B	6.8	173.0	0.73	0.91	1.24	27.5
NorthEast: Freedom Blvd												
1ax	L1	473	2.0	0.893	34.9	LOS C	16.0	406.4	0.98	1.95	2.97	20.3
16x	R2	202	2.0	0.893	34.9	LOS C	16.0	406.4	0.98	1.95	2.97	20.1
16bx	R3	5	2.0	0.893	34.9	LOS C	16.0	406.4	0.98	1.95	2.97	17.7
Approach		680	2.0	0.893	34.9	LOS C	16.0	406.4	0.98	1.95	2.97	20.2
North: Western Drive												
7b	L3	22	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	23.4
4	T1	33	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	26.3
14b	R3	49	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	25.4
Approach		103	2.0	0.228	11.4	LOS B	0.8	19.4	0.73	0.73	0.73	25.2
NorthWest: Main Street												
7bx	L3	38	2.0	0.796	23.5	LOS C	11.9	302.3	0.90	1.32	2.07	23.6
7x	L2	365	2.0	0.796	23.5	LOS C	11.9	302.3	0.90	1.32	2.07	23.3
14ax	R1	932	3.0	0.796	22.4	LOS C	12.3	314.0	0.89	1.32	2.06	27.3
Approach		1335	2.7	0.796	22.7	LOS C	12.3	314.0	0.89	1.32	2.06	26.0
All Vehicles		3297	2.5	0.893	21.7	LOS C	16.0	406.4	0.85	1.29	1.92	25.0

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.4	0.0	0.6	0.6	0.4
Total Del/Veh (s)	34.4	29.6	31.6	27.0	31.2

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	16.5	15.8	11.9	14.7	15.8

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	1.1	1.5	0.3
Total Del/Veh (s)	23.6	26.8	34.4	30.0	26.9

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	1.9	0.2
Total Del/Veh (s)	15.8	13.0	9.7	15.2	14.5

5: East Access/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.3	0.0	0.2	0.2	0.1
Total Del/Veh (s)	23.7	29.8	29.9	29.0	27.3

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	1.0	0.2
Total Del/Veh (s)	15.1	9.1	21.4	14.3

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	0.9	1.7	0.4
Total Del/Veh (s)	16.4	45.2	17.3	25.1	23.1

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	4.8	2.6	10.6	4.0

Total Network Performance

Denied Del/Veh (s)	0.7
Total Del/Veh (s)	65.0

MOVEMENT SUMMARY

Site: 7 [Cumulative plus Project Mid Day Main_Freedom]

Cumulative plus Project Mid Day
1 Lane Freedom Blvd Approach
Site Category: (None)
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
South: Main Street												
3a	L1	627	3.0	0.541	10.4	LOS B	4.1	104.6	0.59	0.56	0.73	30.6
8	T1	16	2.0	0.541	9.9	LOS A	4.0	101.1	0.58	0.53	0.69	27.3
18a	R1	478	2.0	0.541	9.9	LOS A	4.0	101.1	0.58	0.53	0.69	26.9
Approach		1122	2.6	0.541	10.2	LOS B	4.1	104.6	0.58	0.55	0.71	28.9
NorthEast: Freedom Blvd												
1ax	L1	429	2.0	0.761	21.5	LOS C	8.9	226.2	0.86	1.38	1.91	23.0
16x	R2	164	2.0	0.761	21.5	LOS C	8.9	226.2	0.86	1.38	1.91	22.7
16bx	R3	1	2.0	0.761	21.5	LOS C	8.9	226.2	0.86	1.38	1.91	19.7
Approach		595	2.0	0.761	21.5	LOS C	8.9	226.2	0.86	1.38	1.91	22.9
North: Western Drive												
7b	L3	16	2.0	0.147	9.5	LOS A	0.5	12.3	0.69	0.69	0.69	23.9
4	T1	27	2.0	0.147	9.5	LOS A	0.5	12.3	0.69	0.69	0.69	26.9
14b	R3	27	2.0	0.147	9.5	LOS A	0.5	12.3	0.69	0.69	0.69	26.0
Approach		71	2.0	0.147	9.5	LOS A	0.5	12.3	0.69	0.69	0.69	25.8
NorthWest: Main Street												
7bx	L3	16	2.0	0.593	13.2	LOS B	5.2	131.7	0.72	0.88	1.16	26.5
7x	L2	260	2.0	0.593	13.2	LOS B	5.2	131.7	0.72	0.88	1.16	26.1
14ax	R1	767	3.0	0.593	12.7	LOS B	5.2	133.0	0.70	0.87	1.14	31.0
Approach		1043	2.7	0.593	12.8	LOS B	5.2	133.0	0.71	0.87	1.15	29.5
All Vehicles		2830	2.5	0.761	13.5	LOS B	8.9	226.2	0.69	0.85	1.12	27.5

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

LANE SUMMARY

Site: 7 [Cumulative plus Project Mid Day Main_Freedom]

Cumulative plus Project Mid Day
(ALTERNATIVE SITE COMPOSITION)
Site Category: (None)
Roundabout

Lane Use and Performance

	Demand Flows Total veh/h	HV %	Cap. veh/h	Deg. Satn v/c	Lane Util. %	Average Delay sec	Level of Service	95% Back of Queue Veh	Dist ft	Lane Config	Lane Length ft	Cap. Adj. %	Prob. Block. %
South: Main Street													
Lane 1	538	3.0	996	0.541	100	10.5	LOS B	4.1	104.6	Full	1600	0.0	0.0
Lane 2[d]	583	2.2	1079	0.541	100	9.9	LOS A	4.0	101.1	Full	1600	0.0	0.0
Approach	1122	2.6		0.541		10.2	LOS B	4.1	104.6				
NorthEast: Freedom Blvd													
Lane 1	283	2.0	708	0.399	100	10.4	LOS B	2.0	50.4	Full	1600	0.0	0.0
Lane 2[d]	312	2.0	782	0.399	100	9.6	LOS A	2.0	50.1	Short	250	0.0	NA
Approach	595	2.0		0.399		10.0	LOS A	2.0	50.4				
North: Western Drive													
Lane 1[d]	71	2.0	481	0.147	100	9.5	LOS A	0.5	12.3	Full	1600	0.0	0.0
Approach	71	2.0		0.147		9.5	LOS A	0.5	12.3				
NorthWest: Main Street													
Lane 1	501	2.4	845	0.593	100	13.2	LOS B	5.2	131.7	Full	1600	0.0	0.0
Lane 2[d]	542	3.0	915	0.593	100	12.5	LOS B	5.2	133.0	Full	1600	0.0	0.0
Approach	1043	2.7		0.593		12.8	LOS B	5.2	133.0				
Intersection	2830	2.5		0.593		11.1	LOS B	5.2	133.0				

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Roundabout LOS Method: Same as Signalised Intersections.
Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.
LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).
Roundabout Capacity Model: US HCM 6.
HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
Gap-Acceptance Capacity: Traditional M1.
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

d Dominant lane on roundabout approach

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.6	0.0	0.6	0.5	0.4
Total Del/Veh (s)	34.8	25.8	43.2	31.3	33.7

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	8.0	5.8	15.0	18.9	7.7

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.2	0.4
Total Del/Veh (s)	29.0	31.0	39.6	50.2	35.7

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	2.2	0.3
Total Del/Veh (s)	15.9	4.6	47.1	42.2	13.9

5: Project/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.1
Total Del/Veh (s)	15.7	19.4	40.1	30.2	20.8

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.7	0.1
Total Del/Veh (s)	6.3	4.4	26.9	7.9

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.4	2.4	0.7
Total Del/Veh (s)	18.0	41.1	19.1	28.9	24.3

8: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	3.0	1.7	6.9	2.4

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	60.8

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.1	0.5	0.5	0.5
Total Del/Veh (s)	48.1	45.0	58.0	34.3	46.8

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	8.9	11.1	22.9	33.4	12.8

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.2	0.3
Total Del/Veh (s)	38.8	28.6	51.6	104.6	46.8

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.2	0.2
Total Del/Veh (s)	15.8	7.5	33.5	44.9	15.0

5: East Access/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.2	0.2	0.1
Total Del/Veh (s)	14.6	20.3	41.2	34.3	21.0

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.8	0.1
Total Del/Veh (s)	6.3	9.0	47.0	11.6

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.0	2.5	0.5
Total Del/Veh (s)	21.8	42.9	27.3	34.0	28.6

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	3.1	1.7	13.3	2.6

Total Network Performance

Denied Del/Veh (s)	0.7
Total Del/Veh (s)	78.7

1: Green Valley Rd & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.7	0.1	2.1	0.6	0.8
Total Del/Veh (s)	37.4	29.0	66.1	56.0	43.6

2: Watsonville Sq & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	10.5	13.1	24.2	28.4	13.9

3: Ohlone Parkway & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.9	1.3	0.3
Total Del/Veh (s)	23.0	18.7	41.1	47.7	27.2

4: Pennsylvania Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.0	0.1	2.4	0.3
Total Del/Veh (s)	19.4	8.3	27.8	44.2	17.3

5: East Access/Auto Center Dr & Main St Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.2	0.0
Total Del/Veh (s)	20.5	20.4	40.9	31.4	23.2

6: Rodriguez St & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.8	0.1
Total Del/Veh (s)	13.8	19.1	62.7	23.4

7: Main St & Freedom Blvd Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.0	1.9	0.5
Total Del/Veh (s)	18.1	40.2	26.6	38.2	26.3

8: West Access & Main St Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0
Total Del/Veh (s)	7.4	1.8	37.9	5.4

Total Network Performance

Denied Del/Veh (s)	0.9
Total Del/Veh (s)	75.1

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	139	188	251	250	172	111	149	248	255	204	278	308
Average Queue (ft)	68	91	152	161	78	52	68	156	169	99	146	202
95th Queue (ft)	123	153	228	236	138	98	121	231	242	168	237	279
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	0					0			0	1
Queuing Penalty (veh)		0	1					0			0	1

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	291	187	340	316	135
Average Queue (ft)	184	45	217	177	70
95th Queue (ft)	265	116	309	277	160
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	1	0		16	0
Queuing Penalty (veh)	1	0		21	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	130	74	68	19	108	80	86	106	53	50	134	61
Average Queue (ft)	39	15	19	2	39	19	22	29	13	12	56	27
95th Queue (ft)	93	49	53	11	88	56	65	78	39	34	108	54
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	202	254	260	165	197	193	242	155	253	407	180	738
Average Queue (ft)	77	128	121	67	97	100	125	87	129	184	87	409
95th Queue (ft)	156	216	216	152	169	172	207	165	213	338	204	704
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	0	5	0	0			1	11	18	0	61
Queuing Penalty (veh)	0	1	10	1	0			1	17	27	0	100

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	82
95th Queue (ft)	130
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	3
Queuing Penalty (veh)	11

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	150	149	141	47	84	103	39	100	295
Average Queue (ft)	76	23	23	10	22	36	5	87	94
95th Queue (ft)	136	93	90	33	66	87	24	114	229
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	0						41	0
Queuing Penalty (veh)	1	0						22	0

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	T	TR	LTR	LT	R
Maximum Queue (ft)	241	293	120	173	187	12	344	100
Average Queue (ft)	152	29	18	72	89	1	141	82
95th Queue (ft)	242	156	84	141	167	8	288	122
Link Distance (ft)		1108	1108	949	949	386	1364	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	220							75
Storage Blk Time (%)	2	0		0			29	4
Queuing Penalty (veh)	8	0		0			62	6

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	109	111	66	133	154	173	210
Average Queue (ft)	39	39	15	41	48	57	111
95th Queue (ft)	85	87	46	100	115	145	184
Link Distance (ft)	949	949		712	712		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	4
Queuing Penalty (veh)				0		0	3

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	276	133	146	229	207	160	220	230	169	121	74
Average Queue (ft)	129	54	70	140	125	61	110	96	67	37	34
95th Queue (ft)	231	108	127	203	191	134	193	188	147	85	68
Link Distance (ft)		712	712	774	774	774	751	751		608	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							2	0	12	1
Queuing Penalty (veh)	0							5	1	6	0

Network Summary

Network wide Queuing Penalty: 309

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	248	275	571	565	345	190	250	294	286	236	302	415
Average Queue (ft)	147	224	337	324	169	99	113	174	182	115	202	251
95th Queue (ft)	229	328	513	495	365	172	204	268	272	198	302	364
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)	0	1	17	7	0	0	0	1			0	5
Queuing Penalty (veh)	1	6	60	23	0	1	1	3			2	8

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	387	282	369	346	135
Average Queue (ft)	225	57	236	202	70
95th Queue (ft)	334	183	336	309	159
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	3	0		22	0
Queuing Penalty (veh)	4	0		29	1

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	166	202	195	28	152	66	76	79	99	108	244	92
Average Queue (ft)	75	76	70	5	71	12	16	14	34	41	134	38
95th Queue (ft)	139	166	155	21	133	43	54	47	77	81	213	68
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0										
Queuing Penalty (veh)		0										

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	260	690	664	165	279	373	395	155	322	447	180	715
Average Queue (ft)	205	377	372	121	125	200	234	103	151	238	103	417
95th Queue (ft)	316	644	633	218	236	325	352	177	254	406	222	733
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)		0	0									
Queuing Penalty (veh)		1	1									
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	3	31	46	1	0	4		2	16	27	0	65
Queuing Penalty (veh)	14	74	89	3	1	5		3	28	33	1	94

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	77
95th Queue (ft)	133
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	6
Queuing Penalty (veh)	16

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	234	423	375	68	168	181	80	100	291
Average Queue (ft)	141	125	105	24	50	73	30	87	115
95th Queue (ft)	237	323	287	59	121	148	66	114	258
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	3	2			0			42	1
Queuing Penalty (veh)	16	4			0			21	2

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	LT	R
Maximum Queue (ft)	235	270	243	37	256	278	42	467	100
Average Queue (ft)	147	80	75	5	94	121	8	221	87
95th Queue (ft)	234	187	171	24	194	228	30	397	126
Link Distance (ft)		1108	1108		949	949	386	1364	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	220			200					75
Storage Blk Time (%)	2	0			1			40	7
Queuing Penalty (veh)	8	1			0			90	16

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	188	195	72	118	142	172	241
Average Queue (ft)	84	83	26	41	53	87	136
95th Queue (ft)	151	151	64	95	112	180	215
Link Distance (ft)	949	949		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	7
Queuing Penalty (veh)				0		1	9

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	333	383	249	261	250	205	344	401	175	124	74
Average Queue (ft)	184	112	109	160	155	107	159	184	138	36	33
95th Queue (ft)	315	259	202	238	231	190	268	331	217	84	70
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	2							11	5	14	1
Queuing Penalty (veh)	9							43	15	7	0

Network Summary

Network wide Queuing Penalty: 744

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	115	162	219	230	100	97	161	245	256	143	170	206
Average Queue (ft)	53	75	129	136	49	45	62	132	145	67	84	135
95th Queue (ft)	97	127	192	201	86	90	116	213	226	117	157	186
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)			0					0				
Queuing Penalty (veh)			0					1				

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	175	78	266	218	132
Average Queue (ft)	104	33	167	109	40
95th Queue (ft)	169	63	239	196	104
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)				4	0
Queuing Penalty (veh)				5	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	98	218	219	50	126	204	219	235	56	74	139	64
Average Queue (ft)	44	105	114	12	56	90	98	93	24	26	71	31
95th Queue (ft)	80	183	196	35	105	172	185	184	52	56	121	56
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0				0						
Queuing Penalty (veh)		0				0						

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	187	297	286	165	169	243	269	154	253	460	180	515
Average Queue (ft)	68	159	148	79	67	123	147	85	124	218	110	255
95th Queue (ft)	139	257	251	175	127	213	237	158	210	437	227	491
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	1	7	0		0		1	10	31	1	55
Queuing Penalty (veh)	0	2	15	1		0		2	15	48	1	73

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	82
95th Queue (ft)	130
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	4
Queuing Penalty (veh)	11

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	177	240	236	47	218	232	47	93	86
Average Queue (ft)	68	89	82	15	102	119	14	46	27
95th Queue (ft)	128	187	179	41	184	206	41	79	63
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	0			0			2	0
Queuing Penalty (veh)	0	1			0			1	0

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	LT	R
Maximum Queue (ft)	205	222	219	21	247	286	28	251	100
Average Queue (ft)	100	71	73	1	130	155	2	107	76
95th Queue (ft)	176	164	165	11	214	246	14	196	120
Link Distance (ft)		1108	1108		949	949	386	1364	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	220			200					75
Storage Blk Time (%)	0	0			1			17	3
Queuing Penalty (veh)	1	0			0			35	5

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	226	230	49	138	158	97	153
Average Queue (ft)	85	86	12	57	67	24	70
95th Queue (ft)	165	167	40	119	135	60	118
Link Distance (ft)	949	949		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	0
Queuing Penalty (veh)				0		0	0

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	273	145	170	207	182	136	186	188	172	88	69
Average Queue (ft)	137	55	70	111	102	50	103	95	82	27	23
95th Queue (ft)	235	120	138	172	163	109	162	164	157	66	58
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							1	1	5	1
Queuing Penalty (veh)	0							3	1	2	0

Network Summary

Network wide Queuing Penalty: 222

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	157	212	264	267	168	131	140	257	259	182	285	324
Average Queue (ft)	77	103	155	164	81	52	66	158	166	81	156	212
95th Queue (ft)	138	172	237	238	139	104	117	233	236	141	250	290
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	0					0			0	1
Queuing Penalty (veh)		0	1					0			0	1

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	288	178	359	322	135
Average Queue (ft)	193	42	216	180	63
95th Queue (ft)	270	104	312	282	151
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	0	0		16	0
Queuing Penalty (veh)	1	0		20	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	94	117	125	18	108	58	55	78	69	47	121	70
Average Queue (ft)	39	19	22	1	42	8	13	15	14	13	54	28
95th Queue (ft)	82	71	80	10	91	33	41	50	46	33	102	56
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0										
Queuing Penalty (veh)		0										

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	210	274	293	164	215	196	222	155	263	437	180	705
Average Queue (ft)	99	130	121	74	113	104	130	90	130	209	100	388
95th Queue (ft)	177	230	231	162	189	176	208	168	214	390	218	668
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	1	5	0	0			1	11	22	0	60
Queuing Penalty (veh)	0	1	11	1	0			1	17	34	0	100

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	75
95th Queue (ft)	133
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	2
Queuing Penalty (veh)	8

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	150	126	108	43	160	178	37	99	326
Average Queue (ft)	61	37	34	6	54	66	5	86	102
95th Queue (ft)	120	91	83	27	121	136	24	114	248
Link Distance (ft)		1534	1534		783	783	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0				0			40	0
Queuing Penalty (veh)	0				0			22	1

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	229	253	203	137	184	230	104	111	222	246
Average Queue (ft)	133	64	69	58	62	89	48	45	103	106
95th Queue (ft)	207	172	151	113	144	187	91	87	188	203
Link Distance (ft)		276	276		943	943	386	386	1364	1364
Upstream Blk Time (%)		0	0							
Queuing Penalty (veh)		1	0							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	1	1			0					
Queuing Penalty (veh)	5	1			0					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	120	134	53	129	141	171	208
Average Queue (ft)	45	48	15	50	53	65	114
95th Queue (ft)	96	100	43	109	116	146	186
Link Distance (ft)	943	943		712	712		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	3
Queuing Penalty (veh)				0		0	3

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	266	72	94	242	220	172	241	248	175	127	74
Average Queue (ft)	142	20	35	139	126	70	122	101	79	38	35
95th Queue (ft)	234	55	72	217	203	146	204	201	168	93	72
Link Distance (ft)		712	712	774	774	774	751	751		608	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							3	1	12	1
Queuing Penalty (veh)	0							8	2	6	1

Intersection: 8:

Movement	EB	NB
Directions Served	T	R
Maximum Queue (ft)	26	54
Average Queue (ft)	1	21
95th Queue (ft)	14	49
Link Distance (ft)	783	87
Upstream Blk Time (%)		0
Queuing Penalty (veh)		0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 250

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	252	275	697	684	345	204	254	319	306	229	301	380
Average Queue (ft)	156	232	369	352	193	113	131	187	194	118	207	254
95th Queue (ft)	237	327	594	572	398	195	228	281	280	202	301	348
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)	0	2	22	10	0	0	1	2			0	5
Queuing Penalty (veh)	1	7	75	33	0	0	2	4			1	8

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	351	267	375	335	135
Average Queue (ft)	230	55	242	201	80
95th Queue (ft)	321	162	340	307	169
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	2	0		22	1
Queuing Penalty (veh)	3	0		29	1

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	142	165	164	31	148	72	88	65	94	109	242	89
Average Queue (ft)	73	67	67	4	70	11	18	10	32	41	127	40
95th Queue (ft)	130	139	138	20	130	44	57	36	74	85	210	70
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	260	737	723	165	284	399	417	155	294	461	180	731
Average Queue (ft)	207	395	388	123	129	220	254	106	152	247	104	398
95th Queue (ft)	317	660	638	220	247	359	392	177	241	417	223	713
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	2	35	47	0	0	6		2	17	28	0	64
Queuing Penalty (veh)	9	83	93	2	1	9		3	29	36	1	93

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	77
95th Queue (ft)	131
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	4
Queuing Penalty (veh)	12

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	232	360	336	71	188	206	82	100	283
Average Queue (ft)	134	114	104	24	61	81	30	88	109
95th Queue (ft)	224	277	265	59	141	164	67	115	252
Link Distance (ft)		1534	1534		828	828	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	2	2			0			39	1
Queuing Penalty (veh)	10	3			0			20	2

Intersection: 5: East Access/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	229	264	252	168	241	276	113	154	307	283
Average Queue (ft)	140	147	136	68	101	132	45	59	161	118
95th Queue (ft)	220	269	251	132	205	238	88	123	260	235
Link Distance (ft)		230	230		943	943	384	384	1364	1364
Upstream Blk Time (%)	0	2	2							
Queuing Penalty (veh)	0	16	12							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	1	3			1					
Queuing Penalty (veh)	6	6			1					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	139	150	85	146	144	174	265
Average Queue (ft)	51	49	29	62	71	98	138
95th Queue (ft)	115	114	67	124	132	187	227
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			0	0		1	7
Queuing Penalty (veh)			1	0		1	10

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	326	321	227	258	268	214	399	468	175	103	74
Average Queue (ft)	177	100	105	158	157	102	172	201	143	36	34
95th Queue (ft)	300	223	185	231	235	188	298	372	217	82	72
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	1							13	6	15	1
Queuing Penalty (veh)	5							51	18	8	0

Intersection: 8: West Access & Main St

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	136	145	63
Average Queue (ft)	16	13	18
95th Queue (ft)	82	78	49
Link Distance (ft)	828	828	255
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 706

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	114	136	224	229	117	116	134	258	278	156	181	208
Average Queue (ft)	54	75	139	141	50	50	63	135	151	73	89	137
95th Queue (ft)	96	119	206	210	87	96	111	224	241	127	165	191
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)			0					0				
Queuing Penalty (veh)			0					0				

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	188	90	301	263	134
Average Queue (ft)	106	35	183	126	42
95th Queue (ft)	176	70	268	236	113
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)				6	0
Queuing Penalty (veh)				7	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	104	200	218	44	118	206	213	219	63	74	140	66
Average Queue (ft)	45	106	114	11	53	86	97	96	22	27	68	32
95th Queue (ft)	84	178	189	33	101	164	179	185	50	59	116	59
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0				0						
Queuing Penalty (veh)		0				0						

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	221	325	316	165	172	260	289	155	251	424	180	464
Average Queue (ft)	73	175	171	87	69	131	158	94	129	197	103	227
95th Queue (ft)	147	278	278	190	134	228	257	167	210	396	218	403
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	2	11	0		0		1	11	24	1	53
Queuing Penalty (veh)	0	2	23	1		0		2	17	39	2	70

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	81
95th Queue (ft)	131
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	4
Queuing Penalty (veh)	9

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	189	288	275	66	213	219	45	93	106
Average Queue (ft)	69	94	100	17	108	121	14	48	29
95th Queue (ft)	134	203	201	56	190	206	40	82	69
Link Distance (ft)		1534	1534		783	783	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	1			0			3	0
Queuing Penalty (veh)	0	1			0			1	0

Intersection: 5: East Access/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	244	296	294	224	293	307	161	156	223	201
Average Queue (ft)	127	174	182	106	164	186	73	71	101	101
95th Queue (ft)	227	279	282	192	258	280	132	124	176	175
Link Distance (ft)		275	275		943	943	386	386	1364	1364
Upstream Blk Time (%)		1	1							
Queuing Penalty (veh)		5	6							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	1	4		0	3					
Queuing Penalty (veh)	3	7		1	5					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	227	235	44	164	161	92	127
Average Queue (ft)	90	96	11	67	67	34	65
95th Queue (ft)	174	184	35	136	134	69	107
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	0
Queuing Penalty (veh)				0		0	0

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	274	152	168	185	178	143	212	239	174	71	68
Average Queue (ft)	140	58	78	113	108	53	117	107	84	23	21
95th Queue (ft)	239	129	150	170	166	119	183	188	160	57	52
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							2	1	4	1
Queuing Penalty (veh)	0							5	2	1	0

Intersection: 8: West Access & Main St

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	100	90	71
Average Queue (ft)	6	6	27
95th Queue (ft)	47	45	58
Link Distance (ft)	783	783	369
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 213

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	93	227	361	339	227	124	180	264	269	145	239	266
Average Queue (ft)	40	75	186	185	83	57	74	162	174	67	128	176
95th Queue (ft)	83	163	290	286	167	110	135	243	256	126	210	238
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	2	0	0			0			0	0
Queuing Penalty (veh)		0	3	1	0			1			0	0

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	246	164	306	275	135
Average Queue (ft)	151	55	190	149	48
95th Queue (ft)	224	115	273	247	129
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	0			10	0
Queuing Penalty (veh)	0			10	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	135	92	90	25	93	108	101	87	69	38	133	73
Average Queue (ft)	53	21	26	2	31	30	34	24	19	11	57	33
95th Queue (ft)	107	65	69	14	74	76	80	65	50	29	109	60
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	224	308	298	163	144	190	205	147	184	276	180	445
Average Queue (ft)	107	119	113	40	59	82	105	56	90	117	44	231
95th Queue (ft)	198	235	226	117	120	163	185	123	157	214	130	395
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	1	0	4	0				0	3	5	0	45
Queuing Penalty (veh)	3	1	7	0				0	3	4	0	88

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	86
95th Queue (ft)	126
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	4
Queuing Penalty (veh)	8

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	165	227	228	49	81	103	46	100	300
Average Queue (ft)	67	55	52	11	17	36	8	91	122
95th Queue (ft)	128	157	150	35	56	85	32	111	263
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	0						46	1
Queuing Penalty (veh)	0	0						24	2

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	TR	T	TR	LT	R
Maximum Queue (ft)	240	226	79	195	233	388	100
Average Queue (ft)	155	26	21	72	101	181	82
95th Queue (ft)	239	125	63	146	191	333	126
Link Distance (ft)		1108	1108	949	949	1364	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)	220						75
Storage Blk Time (%)	2			0		35	3
Queuing Penalty (veh)	9			0		77	6

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	124	169	122	128	141	174	351
Average Queue (ft)	52	69	53	36	44	114	188
95th Queue (ft)	100	133	104	94	110	216	304
Link Distance (ft)	949	949		712	712		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			0	0		1	20
Queuing Penalty (veh)			1	0		2	25

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	222	138	148	259	240	176	224	264	175	136	75
Average Queue (ft)	99	68	75	161	137	52	125	115	87	46	35
95th Queue (ft)	183	125	132	237	215	134	201	215	171	103	77
Link Distance (ft)		712	712	774	774	774	751	751		608	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							2	1	19	1
Queuing Penalty (veh)	0							7	2	9	1

Network Summary

Network wide Queuing Penalty: 296

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	170	275	647	635	345	187	208	275	275	159	290	392
Average Queue (ft)	92	186	327	323	157	100	116	136	147	76	185	225
95th Queue (ft)	154	334	536	532	351	194	210	235	234	135	274	335
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	16	6	0	1	2	0			0	3
Queuing Penalty (veh)		0	43	22	0	2	5	1			1	6

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	374	225	306	277	135
Average Queue (ft)	190	62	189	146	52
95th Queue (ft)	299	158	275	242	133
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	1	0		11	0
Queuing Penalty (veh)	2	0		11	1

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	206	118	114	26	122	83	105	99	104	96	219	109
Average Queue (ft)	82	38	37	4	54	14	18	24	39	38	118	43
95th Queue (ft)	157	90	87	18	107	51	59	70	85	76	195	80
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)	0											
Queuing Penalty (veh)	0											

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	255	343	304	165	194	322	371	154	224	289	179	442
Average Queue (ft)	151	160	158	55	62	174	208	76	111	124	41	206
95th Queue (ft)	249	274	263	154	142	305	341	142	183	238	123	372
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	1	1	10	0		3		1	7	7	0	48
Queuing Penalty (veh)	7	2	14	0		2		1	9	5	0	81

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	85
95th Queue (ft)	128
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	5
Queuing Penalty (veh)	11

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	232	396	351	194	389	436	85	100	267
Average Queue (ft)	124	123	119	39	233	271	30	88	104
95th Queue (ft)	210	284	275	127	360	396	69	112	237
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	1	2			9			40	1
Queuing Penalty (veh)	7	3			2			18	2

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	TR	T	TR	LT	R
Maximum Queue (ft)	245	386	388	483	514	512	100
Average Queue (ft)	147	192	201	311	366	278	85
95th Queue (ft)	251	355	362	442	498	482	127
Link Distance (ft)		1108	1108	949	949	1364	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)	220						75
Storage Blk Time (%)	2	4		22		44	7
Queuing Penalty (veh)	13	9		0		97	20

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	466	494	168	172	159	175	472
Average Queue (ft)	303	326	98	60	72	158	263
95th Queue (ft)	438	466	162	134	129	209	428
Link Distance (ft)	949	949		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			6	0		4	36
Queuing Penalty (veh)			19	0		11	73

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	326	434	361	302	300	238	382	442	175	160	74
Average Queue (ft)	124	109	110	174	169	91	172	212	155	54	33
95th Queue (ft)	270	280	244	271	268	200	290	370	218	125	74
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	3	0						9	13	22	2
Queuing Penalty (veh)	12	1						45	42	10	1

Network Summary

Network wide Queuing Penalty: 609

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	93	230	344	326	183	115	174	338	343	109	179	208
Average Queue (ft)	41	77	183	185	58	47	63	150	164	52	76	125
95th Queue (ft)	76	166	291	290	133	93	115	261	275	91	148	183
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	2	1	0		0	0				
Queuing Penalty (veh)		0	4	1	0		0	1				

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	167	95	239	195	110
Average Queue (ft)	77	39	150	85	25
95th Queue (ft)	151	77	220	174	72
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)				2	0
Queuing Penalty (veh)				2	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	142	243	249	43	123	193	195	211	74	71	150	77
Average Queue (ft)	56	121	123	13	56	86	97	76	27	27	76	35
95th Queue (ft)	108	209	210	35	103	165	174	155	60	55	127	62
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0										
Queuing Penalty (veh)		0										

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	236	330	314	165	97	278	299	140	168	169	127	342
Average Queue (ft)	84	171	164	76	39	128	151	53	85	77	33	136
95th Queue (ft)	167	280	281	184	81	227	254	109	141	149	83	271
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	2	10	0		0		0	2	1	0	29
Queuing Penalty (veh)	0	3	16	0		0		0	2	1	0	44

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	75
95th Queue (ft)	121
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	3
Queuing Penalty (veh)	6

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	220	287	294	105	248	259	59	95	100
Average Queue (ft)	75	104	107	18	108	126	17	53	25
95th Queue (ft)	152	221	221	57	201	220	49	89	67
Link Distance (ft)		1534	1534		1108	1108	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	1			1			4	0
Queuing Penalty (veh)	0	1			0			2	0

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	TR	T	TR	LT	R
Maximum Queue (ft)	211	202	210	269	302	350	100
Average Queue (ft)	107	73	84	137	171	168	84
95th Queue (ft)	178	158	169	225	269	309	125
Link Distance (ft)		1108	1108	949	949	1364	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)	220						75
Storage Blk Time (%)	0	0		2		31	3
Queuing Penalty (veh)	2	0		0		62	8

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	260	280	108	152	174	174	250
Average Queue (ft)	122	137	40	54	66	68	130
95th Queue (ft)	218	237	86	119	140	165	209
Link Distance (ft)	949	949		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			0	0		0	5
Queuing Penalty (veh)			0	0		1	7

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	223	188	200	239	229	177	241	309	175	81	68
Average Queue (ft)	113	77	88	137	125	46	108	112	105	32	23
95th Queue (ft)	193	159	171	211	203	122	188	221	185	66	59
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)								1	3	8	0
Queuing Penalty (veh)								7	7	2	0

Network Summary

Network wide Queuing Penalty: 180

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	111	245	301	289	192	114	200	307	295	135	220	245
Average Queue (ft)	43	79	187	189	80	59	76	170	182	57	121	169
95th Queue (ft)	86	163	273	269	142	104	137	262	269	105	202	229
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	1	0				1			0	0
Queuing Penalty (veh)		0	2	0				2			0	0

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	233	143	329	298	135
Average Queue (ft)	145	58	199	147	42
95th Queue (ft)	215	113	288	254	117
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	0			11	0
Queuing Penalty (veh)	0			11	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	190	197	200	32	96	78	87	71	75	42	111	76
Average Queue (ft)	63	28	34	2	37	16	25	16	21	11	48	33
95th Queue (ft)	134	124	135	15	79	53	64	50	57	31	92	60
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		1										
Queuing Penalty (veh)		0										

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	219	261	265	165	137	219	254	153	205	249	177	469
Average Queue (ft)	116	114	110	44	62	124	146	58	93	112	41	232
95th Queue (ft)	197	219	211	124	117	200	226	130	163	198	117	405
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	1	4	0		0		0	4	4	0	46
Queuing Penalty (veh)	2	1	6	1		0		0	4	4	0	90

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	85
95th Queue (ft)	126
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	2
Queuing Penalty (veh)	6

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	143	111	98	54	163	179	46	100	293
Average Queue (ft)	60	35	35	11	54	72	9	89	124
95th Queue (ft)	117	81	79	36	124	145	34	115	275
Link Distance (ft)		1534	1534		783	783	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)					0			43	0
Queuing Penalty (veh)					0			22	1

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	238	279	270	153	190	247	122	117	242	246
Average Queue (ft)	139	103	118	58	70	106	50	45	127	108
95th Queue (ft)	221	225	229	118	148	197	101	94	212	211
Link Distance (ft)		276	276		943	943	386	386	1364	1364
Upstream Blk Time (%)		0	0							
Queuing Penalty (veh)		2	0							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	2	1		0	0					
Queuing Penalty (veh)	7	1		0	0					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	151	199	135	122	124	174	356
Average Queue (ft)	65	81	61	45	52	122	187
95th Queue (ft)	126	156	116	94	106	215	299
Link Distance (ft)	943	943		712	712		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			0	0		1	18
Queuing Penalty (veh)			1	0		2	23

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	234	95	100	274	239	170	260	287	175	141	75
Average Queue (ft)	118	29	40	162	135	53	140	127	101	49	33
95th Queue (ft)	200	69	82	239	218	131	228	238	192	106	73
Link Distance (ft)		712	712	774	774	774	751	751		608	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)								3	2	20	1
Queuing Penalty (veh)								12	6	9	1

Intersection: 8:

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	43	60	53
Average Queue (ft)	2	2	18
95th Queue (ft)	27	30	47
Link Distance (ft)	783	783	87
Upstream Blk Time (%)			0
Queuing Penalty (veh)			0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 218

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	205	275	745	741	345	174	240	306	302	167	301	382
Average Queue (ft)	98	198	381	371	177	94	111	170	190	81	182	223
95th Queue (ft)	167	335	699	687	387	173	197	271	282	143	282	338
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)	0	0	21	11	0	0	0	0			0	3
Queuing Penalty (veh)	0	0	57	38	1	0	1	1			2	6

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	329	208	320	301	134
Average Queue (ft)	190	62	200	154	50
95th Queue (ft)	290	149	287	261	128
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	1	0		11	0
Queuing Penalty (veh)	2	0		12	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	156	164	230	39	132	191	187	215	99	107	223	83
Average Queue (ft)	68	72	66	7	52	77	88	79	37	39	120	41
95th Queue (ft)	132	141	167	25	106	159	169	168	80	79	195	70
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)	0											
Queuing Penalty (veh)	0											

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	259	423	361	165	163	302	332	153	206	259	178	450
Average Queue (ft)	192	179	160	47	59	156	185	72	108	120	38	231
95th Queue (ft)	280	336	287	141	124	268	300	141	177	212	114	411
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	7	1	7	0	0	1		1	5	6	0	53
Queuing Penalty (veh)	39	2	10	0	0	1		1	7	4	0	88

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	85
95th Queue (ft)	126
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	4
Queuing Penalty (veh)	8

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	234	360	375	70	166	196	78	99	288
Average Queue (ft)	126	125	125	23	63	87	30	88	102
95th Queue (ft)	213	289	288	56	138	162	65	114	239
Link Distance (ft)		1534	1534		825	825	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	1	2			0			41	1
Queuing Penalty (veh)	4	4			0			19	1

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	231	262	260	136	262	286	105	130	224	541
Average Queue (ft)	127	170	175	63	126	157	45	56	175	156
95th Queue (ft)	216	277	281	116	229	263	88	108	249	369
Link Distance (ft)		233	233		943	943		385		1364
Upstream Blk Time (%)	0	3	4							
Queuing Penalty (veh)	0	23	26							
Storage Bay Dist (ft)	220			200			200		200	
Storage Blk Time (%)	0	5			2				10	2
Queuing Penalty (veh)	3	9			2				23	6

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	240	282	165	179	126	174	572
Average Queue (ft)	108	134	97	33	30	155	292
95th Queue (ft)	199	233	165	121	96	214	533
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							0
Queuing Penalty (veh)							0
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			5	0		6	37
Queuing Penalty (veh)			18	0		16	76

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	244	254	260	275	264	217	393	651	175	140	75
Average Queue (ft)	108	146	167	177	168	84	204	255	162	49	36
95th Queue (ft)	199	230	245	256	245	184	334	492	208	108	78
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)								0			
Queuing Penalty (veh)								0			
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)		0						15	12	22	1
Queuing Penalty (veh)		0						73	38	10	1

Intersection: 8: West Access & Main St

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	192	189	66
Average Queue (ft)	21	24	23
95th Queue (ft)	102	112	56
Link Distance (ft)	825	825	200
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 634

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	87	238	344	336	174	120	161	243	259	114	164	194
Average Queue (ft)	40	76	196	197	62	50	67	144	159	53	80	126
95th Queue (ft)	73	172	306	306	150	101	120	226	241	95	149	176
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	4	1	0			0				
Queuing Penalty (veh)		0	7	2	0			1				

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	160	109	245	194	117
Average Queue (ft)	83	43	151	84	25
95th Queue (ft)	152	83	219	172	70
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)				2	0
Queuing Penalty (veh)				2	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	124	232	239	42	148	227	232	239	73	69	165	76
Average Queue (ft)	55	125	132	13	58	96	107	90	28	27	77	35
95th Queue (ft)	99	211	220	35	114	186	195	182	60	56	130	64
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0				0						
Queuing Penalty (veh)		0				0						

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	236	412	410	165	120	316	335	137	166	198	152	323
Average Queue (ft)	91	186	183	79	42	138	162	53	81	82	39	137
95th Queue (ft)	186	316	316	190	92	244	272	109	138	159	97	260
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	3	13	0		0		0	2	2	0	32
Queuing Penalty (veh)	1	4	20	0		0		0	2	2	0	48

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	76
95th Queue (ft)	123
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	3
Queuing Penalty (veh)	6

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	193	293	293	57	226	260	53	96	125
Average Queue (ft)	73	102	115	16	107	128	18	58	28
95th Queue (ft)	138	216	228	45	191	218	46	93	74
Link Distance (ft)		1534	1534		783	783	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	1			0			6	0
Queuing Penalty (veh)	0	1			0			2	0

Intersection: 5: East Access/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	244	293	298	224	313	334	155	181	296	249
Average Queue (ft)	119	179	198	107	170	199	75	79	132	113
95th Queue (ft)	209	281	297	195	270	296	132	141	239	212
Link Distance (ft)		275	275		943	943	386	386	1364	1364
Upstream Blk Time (%)		1	1							
Queuing Penalty (veh)		3	6							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	0	3		0	3					
Queuing Penalty (veh)	2	6		1	5					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	278	294	118	183	179	166	205
Average Queue (ft)	131	150	40	65	70	70	118
95th Queue (ft)	236	259	85	140	150	145	185
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)				0		0	3
Queuing Penalty (veh)				0		0	4

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	226	194	194	254	238	191	244	293	174	91	65
Average Queue (ft)	119	73	90	153	146	60	124	122	107	32	19
95th Queue (ft)	204	157	171	244	238	156	201	226	186	71	52
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)								2	2	8	0
Queuing Penalty (veh)								10	7	2	0

Intersection: 8: West Access & Main St

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	59	84	61
Average Queue (ft)	3	6	27
95th Queue (ft)	27	40	53
Link Distance (ft)	783	783	369
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 146

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	134	197	262	270	190	108	130	224	229	106	263	312
Average Queue (ft)	63	91	151	155	81	45	53	116	129	51	139	196
95th Queue (ft)	116	152	238	242	146	87	100	192	202	88	236	276
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)		0	1	0				0			0	1
Queuing Penalty (veh)		0	1	0				0			0	1

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	289	176	305	284	135
Average Queue (ft)	178	46	201	161	56
95th Queue (ft)	259	114	281	257	140
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	0	0		12	0
Queuing Penalty (veh)	0	0		16	0

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	82	181	203	31	78	84	90	108	43	53	93	69
Average Queue (ft)	32	44	53	4	30	15	26	29	11	12	43	28
95th Queue (ft)	68	125	144	18	65	51	66	76	33	36	81	56
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)		0										
Queuing Penalty (veh)		0										

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	221	328	338	165	234	244	276	154	214	448	180	635
Average Queue (ft)	96	132	126	65	103	122	152	81	119	204	102	328
95th Queue (ft)	180	252	244	160	190	216	250	156	188	371	221	581
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	0	1	5	0	0	0		1	8	21	0	54
Queuing Penalty (veh)	0	1	11	1	0	0		1	12	32	1	91

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	81
95th Queue (ft)	134
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	2
Queuing Penalty (veh)	8

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	191	265	267	44	106	145	34	100	290
Average Queue (ft)	76	72	71	9	32	47	4	87	104
95th Queue (ft)	148	197	194	32	84	104	21	114	247
Link Distance (ft)		1534	1534		783	783	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	1						41	0
Queuing Penalty (veh)	0	1						22	0

Intersection: 5: Project/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	242	249	243	160	235	280	116	127	206	240
Average Queue (ft)	139	76	75	63	99	129	49	47	102	100
95th Queue (ft)	220	183	170	126	189	226	97	96	173	192
Link Distance (ft)		276	276		943	943	386	386	1364	1364
Upstream Blk Time (%)		0	0							
Queuing Penalty (veh)		1	1							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	2	0			1					
Queuing Penalty (veh)	6	1			0					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	152	165	47	97	111	129	167
Average Queue (ft)	51	63	13	25	27	32	80
95th Queue (ft)	115	127	39	73	81	80	137
Link Distance (ft)	943	943		712	712		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)						0	0
Queuing Penalty (veh)						0	0

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	271	180	143	231	218	183	253	280	174	109	75
Average Queue (ft)	117	46	62	137	125	71	127	111	80	41	36
95th Queue (ft)	218	128	122	211	200	152	209	218	166	89	74
Link Distance (ft)		712	712	774	774	774	751	751		608	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	0							2	1	15	1
Queuing Penalty (veh)	1							6	3	8	0

Intersection: 8:

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	19	3	54
Average Queue (ft)	1	0	20
95th Queue (ft)	11	3	48
Link Distance (ft)	783	783	87
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 227

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	LT
Maximum Queue (ft)	219	275	530	533	345	178	220	275	280	193	304	413
Average Queue (ft)	130	204	304	294	144	86	106	159	169	100	195	243
95th Queue (ft)	210	323	487	465	330	162	189	241	248	167	298	357
Link Distance (ft)			2771	2771				873	873	873		1519
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250	250			320	250	250				280	
Storage Blk Time (%)	0	1	14	5	0	0	0	0			0	5
Queuing Penalty (veh)	0	4	50	17	0	0	1	1			1	8

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	LT	T	R
Maximum Queue (ft)	374	222	334	317	135
Average Queue (ft)	219	56	215	178	72
95th Queue (ft)	328	170	300	280	162
Link Distance (ft)	1519		1962	1962	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	3	0		16	0
Queuing Penalty (veh)	4	0		21	1

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	143	118	114	29	123	88	90	143	93	105	242	88
Average Queue (ft)	64	38	34	4	59	26	28	50	30	38	125	37
95th Queue (ft)	120	94	86	18	112	69	72	115	73	78	207	70
Link Distance (ft)		873	873			964	964	964	535	535	316	316
Upstream Blk Time (%)											0	
Queuing Penalty (veh)											0	
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	260	492	494	165	205	268	283	155	307	490	180	815
Average Queue (ft)	167	257	256	105	106	136	169	101	149	250	104	462
95th Queue (ft)	289	443	438	212	183	228	256	176	261	473	223	895
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	3	12	30	0	0	0		1	14	30	0	67
Queuing Penalty (veh)	14	29	59	1	0	0		2	24	38	1	97

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	81
95th Queue (ft)	133
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	5
Queuing Penalty (veh)	15

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	219	120	94	70	158	192	83	100	279
Average Queue (ft)	135	27	21	21	56	75	30	87	104
95th Queue (ft)	208	81	68	55	126	153	67	114	236
Link Distance (ft)		1534	1534		828	828	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	2				0			39	1
Queuing Penalty (veh)	9				0			20	2

Intersection: 5: East Access/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	218	246	238	171	260	275	118	139	326	292
Average Queue (ft)	127	132	123	71	105	133	52	54	157	114
95th Queue (ft)	197	234	221	132	212	240	98	110	265	228
Link Distance (ft)		230	230		943	943	384	384	1364	1364
Upstream Blk Time (%)	0	1	1							
Queuing Penalty (veh)	0	7	4							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	0	1		0	1					
Queuing Penalty (veh)	2	3		0	1					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	142	150	88	146	155	174	239
Average Queue (ft)	49	55	30	63	64	92	134
95th Queue (ft)	109	118	72	126	129	176	213
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			0	0		0	6
Queuing Penalty (veh)			0	0		1	9

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	325	293	231	243	231	194	322	378	175	108	73
Average Queue (ft)	193	110	120	151	149	97	172	196	146	36	35
95th Queue (ft)	307	216	193	213	209	173	273	331	215	85	73
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	1							12	5	16	2
Queuing Penalty (veh)	4							48	15	8	1

Intersection: 8: West Access & Main St

Movement	EB	EB	NB
Directions Served	T	TR	R
Maximum Queue (ft)	98	66	57
Average Queue (ft)	6	3	20
95th Queue (ft)	48	29	48
Link Distance (ft)	828	828	255
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 521

Intersection: 1: Green Valley Rd & Main St

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	R	L	L	T	T	R	L	L
Maximum Queue (ft)	178	274	503	491	324	158	178	256	329	146	260	304
Average Queue (ft)	80	162	290	283	132	80	95	134	159	62	150	192
95th Queue (ft)	142	303	444	426	316	143	157	220	270	115	256	313
Link Distance (ft)			2765	2765				867	867	867		
Upstream Blk Time (%)									0			
Queuing Penalty (veh)									0			
Storage Bay Dist (ft)	250	250			320	250	250				280	280
Storage Blk Time (%)	0	0	12	4	0			0			0	3
Queuing Penalty (veh)	0	1	31	13	0			0			1	16

Intersection: 1: Green Valley Rd & Main St

Movement	NB	NB	SB	SB	SB
Directions Served	T	R	L	T	R
Maximum Queue (ft)	812	287	336	539	135
Average Queue (ft)	287	89	131	268	78
95th Queue (ft)	636	235	254	529	172
Link Distance (ft)	1518		1961	1961	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		280			110
Storage Blk Time (%)	7	0		40	0
Queuing Penalty (veh)	38	0		43	1

Intersection: 2: Watsonville Sq & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	TR	LT	R	LT	R
Maximum Queue (ft)	172	141	129	38	133	182	194	191	105	103	219	83
Average Queue (ft)	71	56	52	6	53	82	89	73	37	40	117	40
95th Queue (ft)	134	120	110	24	101	163	171	154	81	83	188	69
Link Distance (ft)		867	867			964	964	964	535	535	316	316
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	250			580	260							
Storage Blk Time (%)					0	0						
Queuing Penalty (veh)					0	0						

Intersection: 3: Ohlone Parkway & Main St

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	T	T	R	L	T	TR	L	L	T	R	LT
Maximum Queue (ft)	258	430	395	165	135	218	238	153	232	229	146	427
Average Queue (ft)	180	156	145	44	57	86	114	67	104	107	36	227
95th Queue (ft)	264	312	280	135	113	180	216	131	179	189	103	405
Link Distance (ft)		964	964			1534	1534		1551	1551		1369
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	235			140	260			130			155	
Storage Blk Time (%)	5	1	6	0		0		0	4	4	0	52
Queuing Penalty (veh)	27	2	9	0		0		0	5	3	0	87

Intersection: 3: Ohlone Parkway & Main St

Movement	SB
Directions Served	R
Maximum Queue (ft)	100
Average Queue (ft)	85
95th Queue (ft)	128
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	75
Storage Blk Time (%)	3
Queuing Penalty (veh)	7

Intersection: 4: Pennsylvania Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LTR	L	TR
Maximum Queue (ft)	229	331	332	74	168	189	76	100	294
Average Queue (ft)	111	183	183	23	59	82	30	90	119
95th Queue (ft)	208	299	297	58	125	152	64	113	268
Link Distance (ft)		1534	1534		828	828	625		1267
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	210			200				75	
Storage Blk Time (%)	0	4			0			43	1
Queuing Penalty (veh)	1	7			0			20	2

Intersection: 5: East Access/Auto Center Dr & Main St

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	229	271	267	160	252	283	120	130	331	263
Average Queue (ft)	139	204	208	66	105	147	49	58	191	97
95th Queue (ft)	229	298	295	127	212	256	96	112	299	191
Link Distance (ft)		230	230		943	943	384	384	1364	1364
Upstream Blk Time (%)	0	6	8							
Queuing Penalty (veh)	0	47	57							
Storage Bay Dist (ft)	220			200						
Storage Blk Time (%)	1	8			1					
Queuing Penalty (veh)	5	16			1					

Intersection: 6: Rodriguez St & Main St

Movement	EB	EB	WB	WB	WB	NB	NB
Directions Served	T	TR	L	T	T	L	LR
Maximum Queue (ft)	245	273	162	218	229	175	535
Average Queue (ft)	119	137	82	93	111	163	276
95th Queue (ft)	210	241	148	176	192	203	457
Link Distance (ft)	943	943		709	709		820
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)			150			150	
Storage Blk Time (%)			2	1		6	37
Queuing Penalty (veh)			7	1		15	77

Intersection: 7: Main St & Freedom Blvd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	R	R	L	LT	TR	L	LT	R	LT	R
Maximum Queue (ft)	322	215	205	274	278	220	312	394	175	135	75
Average Queue (ft)	169	41	44	170	164	79	173	208	149	50	33
95th Queue (ft)	282	155	124	246	240	174	273	355	216	104	72
Link Distance (ft)		709	709	1099	1099	1099	1358	1358		620	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	310								150		50
Storage Blk Time (%)	2							11	7	24	1
Queuing Penalty (veh)	8							52	23	11	1

Intersection: 8: West Access & Main St

Movement	EB	EB	WB	NB
Directions Served	T	TR	T	R
Maximum Queue (ft)	241	266	2	80
Average Queue (ft)	50	55	0	22
95th Queue (ft)	163	178	2	58
Link Distance (ft)	828	828	230	255
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 635

FAIR SHARE PERCENTAGES & COSTS

$$\frac{\text{(Future + Project Volumes) - Future}}{\text{(Future + Project) – Existing}}$$

Main Street / Green Valley Drive

	4,303 – 4,260		3,521 - 3,480		3,399 - 3,300
PM	4,303 – 4,312	AM	3,521 – 3,562	Sunday	3,399 – 2,678
	= 43 / (9)		= 41 / (41)		= 99 / 47

Fair Share Percentage: Not Calculable

Main Street / Freedom Blvd

	3,033 – 2,965
PM	3,033 – 2,678
	= 68 / (355)

Fair Share Percentage: 19.2% (With signalized intersection remaining in future)

Drive-Through Facilities Standards – Other Agencies

Fenton Missouri – Section 450.010 Requirements and Standards for Dive-Through Facilities

Queuing space requirements

Sit-down restaurants with pickup service windows, without order board - 5 queuing spaces

https://ecode360.com/27876183

Pasco County, Washington – 907.3 Stacking Spaces and Drive-Through Facilities

Drive-in or fast food restaurant:

Eight (8) stacking spaces per drive-through window measured from the order board or station to driveway

https://www.pascocountyfl.net/DocumentCenter/View/4202/LDC-Section-9073-Stacking-Spaces-Drive-Thru-Facilities?bidId=

Elk Grove, California – Chapter 23.78.030 Drive-In and Drive-Through Facility Development Standards

A. Drive-Through Aisles. The minimum standards for drive-through aisles are as follows:

2. Drive-up windows and remote tellers shall provide at least one hundred eighty (180' 0") feet of stacking space for each facility, as measured from the service window or unit to the entry point into the drive-up lane. Nonfood and/or nonbeverage businesses may reduce the stacking space to a minimum of sixty (60' 0") feet.

3. Each drive-through entrance/exit shall be at least fifty (50' 0") feet from an intersection of public rights-of-way, measured at the closest intersecting curbs, and at least twenty-five (25' 0") feet from the curb-cut on an adjacent property. Exceptions may be granted by the designated approving authority when drive-though (sic) pull-out spaces are provided.

https://www.codepublishing.com/CA/ElkGrove/html/ElkGrove23/ElkGrove2378.html

Sacramento, California – 17.228.109 Drive-through restaurant

B. Development standards. The development standards in this subsection B shall be used to analyze the adequacy of the design of a drive-through restaurant.

1. A minimum stacking distance of 180 feet shall be provided to each pick-up window or automated machine.

2. A drive-through restaurant service facility with a separate ordering point and pick-up window shall provide stacking space for at least four vehicles in advance of each ordering point and stacking space for at least four vehicles between each ordering point and pick-up window.

3. Entrances to drive-through lanes shall be at least 25 feet from driveways entering a public or private street or alley.

http://www.qcode.us/codes/sacramento/?view=desktop&topic=17-ii-17_228-i-17_228_109

San Jose, California – Council Policy 6-10

E. The drive-through stacking lane shall be separated physically from the user's parking lot and shall have a capacity of:

2. Restaurants—8 cars per lane* (*Allow 20 feet per car)

https://www.sanjoseca.gov/DocumentCenter/View/3877

ITE Data Collection Project 2015
University of Washington

To Richard Hutchinson

From Luka Ukrainczyk

Abstract

The UW ITE chapter studied traffic volumes at Starbucks Coffee in Lake City, Seattle. Trips generated by the store as well as parking and drive-thru demand were recorded and analyzed. Data was collected on three consecutive non-holiday weekdays in March 2015. Motor vehicle and drive-thru demand were found to be drastically high in the morning. Non-motorized demand was steady throughout the day. All data collected is organized and presented in this report.

Please contact Luka Ukrainczyk at lukra@uw.edu with any questions or requests.

Parking and Queueing

Figure 3 shows the maximum parking occupancy for every hour of data collection. Curiously, parking occupancy grows throughout the day and reaches its peak at 4 PM. There is a smaller but significant peak at 9 AM, which corresponds to the peak driveway volume in Figure 2. Data collectors observed that many customers would park and leave their car idling for as much as ten minutes while they bought coffee inside the store.

Figure 4 shows the maximum drive-thru line recorded each hour. Drive-thru queue length more closely reflects entrance demand, with a peak between 7 AM and 8 AM and a much smaller peak around noon. Drive-thru queue lengths are heavily stacked in the morning, suggesting people are in a hurry at that time and want to save time using the drive-thru. The Parking and Queue Demand Survey Forms in the Appendix detail parking volume and queue length.

Figure 3 Maximum hourly parking occupancy

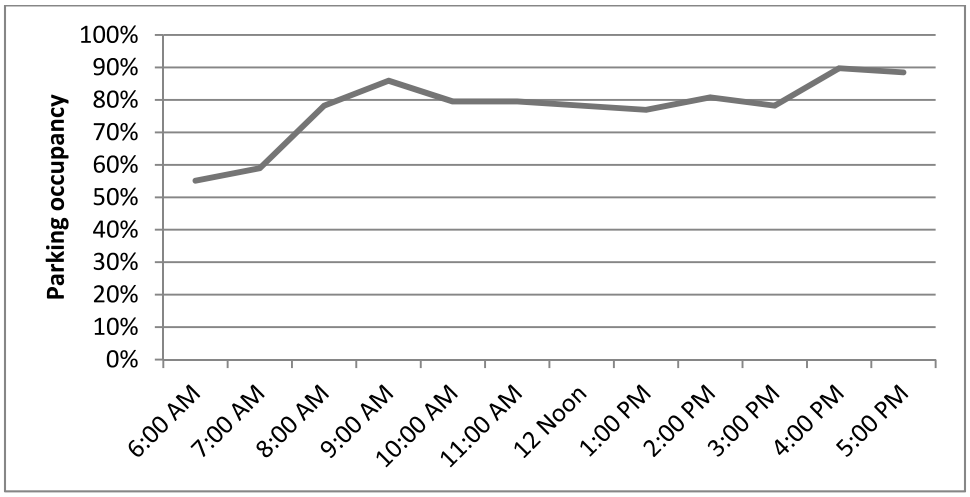
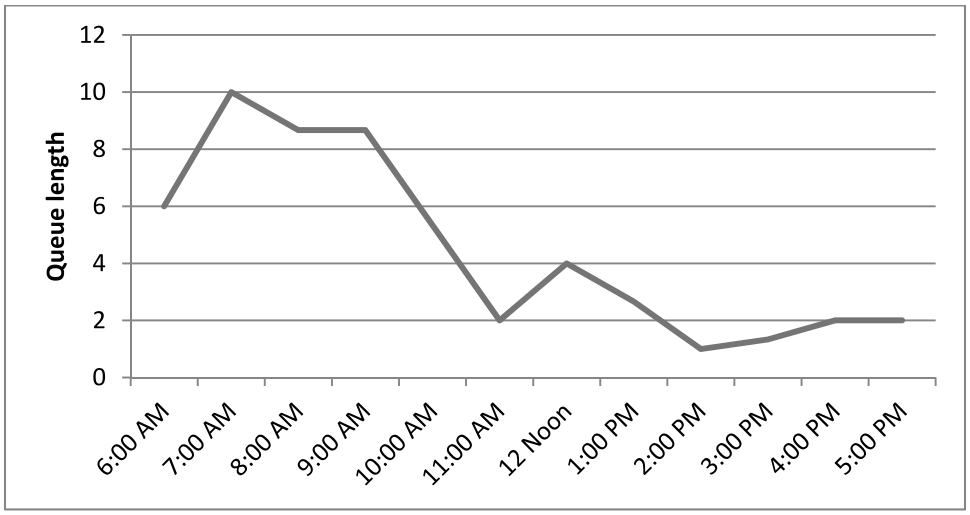


Figure 4 Maximum hourly queue length



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