INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION

22422 ROCKAWAY LANE PROJECT

HAYWARD, CALIFORNIA

LSA

November 2023

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November 17, 2023

Alameda County Clerk
1106 Madison Street, 1st Floor
Oakland, CA 94607

City of Hayward Notice of Intent to Adopt a Mitigated Negative Declaration

22422 Rockaway Lane

Lead Agency: City of Hayward Planning Division
777 B Street, 1st Floor
Hayward, California 94541
Contact: Taylor Richard, Associate Planner

Project Description: The proposed project consists of the construction of an approximately 57,694-square-foot, four-story residential building that would include 30 apartment units and associated site improvements including right-of-way improvements to Rockaway Lane, landscaping, and utility improvements. The proposed project would include a ground-floor parking garage that would be accessed via a new driveway along Rockaway Lane. Additionally, the proposed project would include dedication of approximately 8 feet along Rockaway Lane to allow widening of the roadway from 48 feet to 56 feet. As a part of this dedication, the proposed project would include the demolition and reconstruction of the existing sidewalk, curb, and gutter along Rockaway Lane.

The proposed project requires Site Plan Review approval (a discretionary approval) from the City of Hayward Planning Director.

Project Location: The approximately 0.90-acre project site is located at 22422 Rockaway Lane in the City of Hayward, Alameda County (Assessor's Parcel Number [APN] 415-0230-078-00). Vehicular access to the project site is provided by Rockaway Lane, access to which is provided by A Street to the southeast. Regional vehicular access to the project site is provided by Interstate 580 (I-580), with on/off ramps located along Redwood Road approximately 0.8 miles to the north in the City of Castro Valley and along Foothill Boulevard approximately 1.2 miles to the northwest in the City of Hayward.

The project site is not located on a site included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, including a hazardous waste facility, land designated as hazardous waste property, a hazardous waste disposal site, or information in the Hazardous Waste and Substances Statement required under subdivision(f) of that section.

Project Applicant: William Frankel on behalf of Zibasara, LLC, 22422 Rockaway Lane, Hayward, CA 94541

Property Owner: William Frankel, 205 De Anza Boulevard, Suite 42, San Mateo, CA 94402

Providing Comments & Review Period: Please post this letter with the attached Draft Mitigated Negative Declaration and Initial Study for a period of 30 days to conform to CEQA Guidelines Section 15072. The specified posted comment period is from Friday, November 17, 2023 to Monday, December 18, 2023 at 5:00 p.m. Please send all comments by either: 1) U.S. mail; or 2) electronic mail (email) to:

Taylor Richard, Associate Planner
City of Hayward Planning Division
777 B Street, 1st Floor
Hayward, California 94541
Email: Taylor.Richard@hayward-ca.gov

Copies of the Draft Mitigated Negative Declaration and Initial Study are available for public review at Hayward City Hall at 777 B Street, Hayward on the First Floor Permit Center, Monday through Thursday from 9 a.m. to 1 p.m. Copies are also available for public review at the Hayward Public Libraries located at 888 C Street and 27300 Patrick Avenue. Please see the Library and Community Services webpage at https://www.hayward-ca.gov/public-library/using-library/locations-hours for library days and hours. You may also review the document on the City's website at https://www.hayward-ca.gov/content/projects-under-environmental-review-0.

If the Mitigated Negative Declaration is approved by the Planning Director, the City will promptly file a Notice of Determination for the project with the Alameda County Clerk's Office.

If you have any questions, please contact the project planner, Taylor Richard, at (510) 583-5340 or Taylor.Richard@hayward-ca.gov.

INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION

22422 ROCKAWAY LANE PROJECT

HAYWARD, CALIFORNIA

Submitted to:

Taylor Richard, Associate Planner
Planning Division
City of Hayward
777 B Street
Hayward, California 94541

Prepared by:

LSA
157 Park Place
Pt. Richmond, California 94801
(510) 236-6810

Project No. HAY2001.09

LSA

November 2023

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TABLE OF CONTENTS

FIGURES AND TABLES

FIGURES

TABLES

APPENDICES

LIST OF ABBREVIATIONS AND ACRONYMS

µin/sec	microinches per second
AAQS	ambient air quality standards
AB	Assembly Bill
ACTC	Alameda County Transportation Commission
ACWD	Alameda County Water District
air basin	San Francisco Bay Area Air Basin
Alameda CTC	Alameda County Transportation Commission
AMI	area median income
APCD	Air Pollution Control District
APN	Assessor's Parcel Number
AQMD	Air Quality Management District
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
Basin Plan	Water Quality Control Plan
Bay-Delta Plan Amendment	San Francisco Bay/Sacramento-San Joaquin Delta Estuary
bgs	below ground surface
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen Code	California Green Building Standards Code
California Register	California Register of Historical Resources
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission

CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CGS	California Geological Survey
CH_4	methane
City	City of Hayward
Clean Air Plan	BAAQMD 2017 Clean Air Plan
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CO	Commercial Office
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalents
CRECs	controlled recognized environmental conditions
creek	San Lorenzo Creek
CRPR	California Rare Plant Rank
CWA	Clean Water Act
dB	decibels
dBA	A-weighted decibels
DDT	dichlorodiphenyltrichloroethane
DOC	California Department of Conservation
DPM	diesel particulate matter
DPS	distinct population segment
DWR	California Department of Water Resources
EBMUD	East Bay Municipal Utility District
EIR	Environmental Impact Report
EV	electric vehicle
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FIRM	Flood Insurance Rate Map
FTA	Federal Transit Administration

FTA Manual	Federal Transit Administration Transit Noise and Vibration Impact Assessment Manual
GHG	greenhouse gas
GWP	Global Warming Potential
HCP	Habitat Conservation Plan
HFCs	hydrofluorocarbons
HFD	Hayward Fire Department
HPD	Hayward Police Department
HRECs	historical recognized environmental condition
HUSD	Hayward Unified School District
HVAC	heating, ventilation, and air conditioning
I-580	Interstate 580
in/sec	inches per second
IS/MND	Initial Study/Mitigated Negative Declaration
ITE	Institute of Transportation Engineers
L_{dn}	day-night average level
L_{eq}	equivalent continuous sound level
LID	Low Impact Development
L_{max}	maximum instantaneous sound level
LOS	level of service
LTA	local transportation analysis
mgd	million gallons per day
MLD	Most Likely Descendant
MRP	California Regional Water Quality Control Board San Francisco Bay Region's Municipal Regional Stormwater NPDES Permit
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	California Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System

O_3	ozone
OECs	other environmental considerations
OPR	Governor's Office of Planning and Research
Pb	lead
PCBs	polychlorinated biphenyls
PFCs	perfluorocarbons
PG&E	Pacific Gas & Electric Company
Phase I ESA	Phase I Environmental Site Assessment
PM_{10}	particulate matter less than 10 microns in size
$PM_{2.5}$	particulate matter less than 2.5 microns in size
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
POTW	publicly owned treatment works
PPV	peak particle velocity
PRC	Public Resources Code
RECs	recognized environmental conditions
RMS	root-mean-square
ROGs	reactive organic gases
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCP	Stormwater Control Plan
SF_6	sulfur hexafluoride
SFPUC	San Francisco Public Utilities Commission
SGMA	Sustainable Groundwater Management Act
SO_2	sulfur dioxide
Solano Permittees	Solano Stormwater Alliance
SPL	sound power levels
SR-24	State Route 24
SRA	State Responsibility Area
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TMDLs	Total Maximum Daily Loads

UCMP	University of California Museum of Paleontology
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
VdB	vibration velocity decibels
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
vph	vehicles per hour
WMI	Waste Management, Inc.
WPCF	Water Pollution Control Facility
WSCP	Water Shortage Contingency Plan

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1.0 PROJECT INFORMATION

1. **Project Title:**

   22422 Rockaway Lane Project

2. **Lead Agency Name and Address:**

   City of Hayward
   777 B Street
   Hayward, California 94541

3. **Contact Person and Phone Number:**

   Taylor Richard, Associate Planner
   Development Services Department – Planning Division
   777 B Street
   Hayward, California 94541
   Phone: (510) 583-5340
   Email: taylor.richard@hayward-ca.gov

4. **Project Location:**

   22422 Rockaway Lane
   Hayward, California 94541
   Assessor's Parcel Number (APN): 415-0230-078-00

5. **Project Sponsor's Name and Address:**

   22422 Rockaway LLC
   205 De Anza Boulevard, Suite 42
   San Mateo, California 94402

6. **General Plan Designation:**

   Commercial/High-Density Residential

7. **Zoning:**

   Commercial Office (CO)

8. **Description of Project:**

   The proposed project involves construction of an approximately 57,694-square-foot, four-story residential building that would include 30 apartment units and associated site improvements including right-of-way improvements to Rockaway Lane, landscaping, and utility improvements.

9. Surrounding Land Uses and Setting:

The irregularly-shaped project site is generally surrounded by residential and commercial uses and vacant land, as well as the meandering San Lorenzo Creek (creek). The site is located on the eastern edge of Hayward; the existing creek forms the boundary between Hayward and the unincorporated community of Castro Valley in Alameda County. To the north, the project site is bound by a muti-family residential complex and the creek, across which are vacant lands planned for residential development, existing single- and multi-family residential uses, and Ruby Street. The project site is also bound to the east by the creek, across which is vacant land, A Street, and single- and multi-family residential uses. The project site is bound to the south by A Street, across which are commercial uses, 4th Street, and vacant land. The project site is bound to the west by Rockaway Lane, across which are commercial and single-family residential uses. Further west is De Anza Park and Hayward Japanese Gardens.

10. Other Public Agencies Whose Approval is Required (e.g., permits, financial approval, or participation agreements):

- City of Hayward Fire Department
- City of Hayward Public Works Department
- City of Hayward Building Division

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resource Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

California Native American tribes traditionally and culturally affiliated with the project site and area were notified of the proposed project on June 7, 2023. The City did not receive any requests for consultation during the 30-day notification period. Therefore, the City considers the AB 52 consultation process to be concluded.

2.0 PROJECT DESCRIPTION

The following describes the proposed 22422 Rockaway Lane Project (project) that is the subject of this Initial Study/Mitigated Negative Declaration (IS/MND) prepared pursuant to the California Environmental Quality Act (CEQA). The proposed project would result in the construction of a 30-unit apartment building and associated improvements to Rockaway Lane. The City of Hayward (City) is the Lead Agency for review of the proposed project under CEQA.

2.1 PROJECT SITE

The following section describes the project location, existing conditions, surrounding land uses, and the regulatory setting.

2.1.1 Project Location

The approximately 0.90-acre project site is located at 22422 Rockaway Lane in Hayward, Alameda County (Assessor's Parcel Number [APN] 415-0230-078-00). The project site is located in northeast Hayward in an urbanized[1] area primarily consisting of residential and commercial uses. The irregularly-shaped project site is bound by multi-family residential uses and San Lorenzo Creek (creek) to the north, A Street to the east, Rockaway Lane to the south, and multi-family residential uses to the west. The project site is located on the eastern edge of Hayward; the existing creek forms the boundary between Hayward and the unincorporated community of Castro Valley in Alameda County.

Regional vehicular access to the project site is provided by Interstate 580 (I-580), with on-/off-ramps located along Redwood Road approximately 0.8 mile to the north and along Foothill Boulevard approximately 1.2 miles to the northwest. Bus stops located approximately 0.1 mile southeast of the project site along B Street provide transit access to the project site. Additionally, the Hayward Bay Area Rapid Transit (BART) Station is located approximately 0.9 mile southwest of the project site, and the Castro Valley BART station is located approximately 1 mile north. Figure 2-1 shows the regional and local context of the project site. Figure 2-2 depicts an aerial photograph of the project site and surrounding land uses.

2.1.2 Existing Conditions

As shown on Figure 2-2, the project site is undeveloped with bare earth and grasses covering the majority of the site. While the western half of the site is generally level, the eastern half of the site includes a portion of the San Lorenzo Creek bank. The project site slopes downward from east to west approximately 20 feet from the top of the creek bank to the eastern boundary of the project site. Two mature trees are present along the creek bank. Driveways and sidewalks along A Street and Rockaway Lane provide vehicular and pedestrian access to the project site.

[1] "Urbanized area" means a central city or group of contiguous cities with a population of 50,000 or more, together with adjacent densely populated areas having a population density of at least 1,000 persons per square mile. California Code of Regulations, Title 14, *State CEQA Guidelines*, Section 15387.

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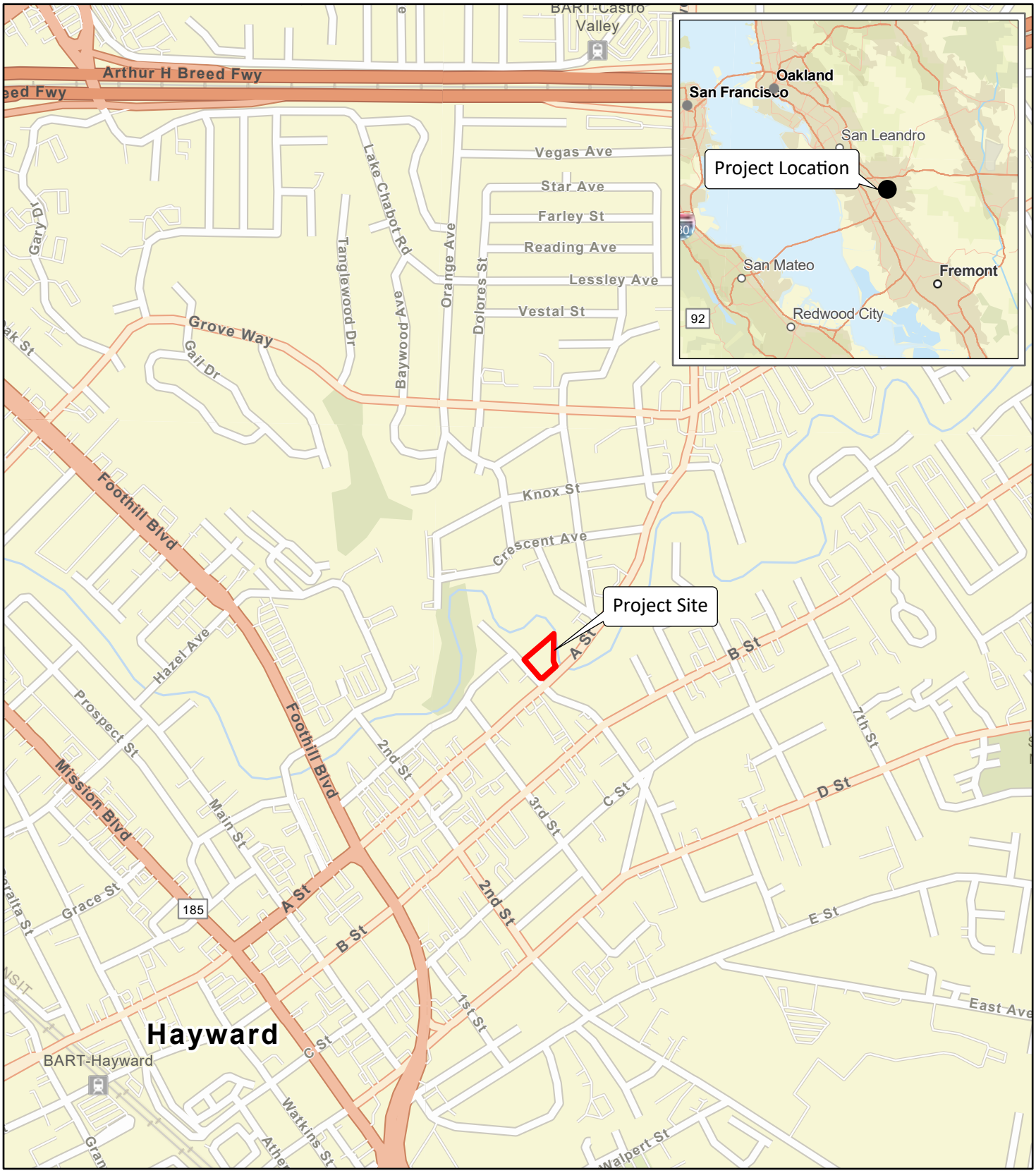

LSA

Project Site

FIGURE 2-1

N

0 500 1000
FEET

SOURCE: Esri World Street Map (2022)

J:\HAY2001.09\GIS\Pro\22422 Rockaway Lane\22422 Rockaway Lane.aprx (5/15/2023)

22422 Rockaway Lane Project IS/MND

Project Location and Regional Vicinity

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LSA

FIGURE 2-2

Project Site Boundary

Hayward City Limits

N

0 150 300

FEET

SOURCES: Google Earth, 7/8/2022; LSA, 2023

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22422 Rockaway Lane Project IS/MND

Aerial Photograph of the Project Site and Surrounding Land Uses

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2.1.3 Surrounding Land Uses

As shown on Figure 2-2, the project site is generally surrounded by residential and commercial uses and vacant land. To the north, the project site is bound by a multi-family residential complex and the creek, across which are vacant lands planned for residential development, existing single- and multi-family residential uses, and Ruby Street. The project site is also bound to the east by the creek, across which is vacant land, A Street, and single- and multi-family residential uses. The project site is bound to the south by A Street, across which are commercial uses, 4th Street, and vacant land. The project site is bound to the west by Rockaway Lane, across which are commercial and single-family residential uses. Further west is De Anza Park and the Hayward Japanese Gardens.

2.1.4 Regulatory Setting

The project site is currently designated Commercial/High-Density Residential in the City of Hayward General Plan. The Commercial/High-Density Residential designation typically includes townhomes, live-work units, multi-story apartment and condominium buildings, commercial buildings, shopping centers, and mixed-use buildings that contain commercial uses on the ground floor and residential units or office space on upper floors. A maximum of 34.8 dwelling units are allowed per net acre.[2] The City of Hayward Zoning Map identifies the project site as Commercial Office (CO), which is intended to provide for and protect administrative, professional, business and financial organizations which are not detrimental to the residential use of adjacent properties. Multiple-family dwellings are a permitted use within the CO zoning district.[3] Two easements are located along the eastern boundary of the project site, including a conservation easement for San Lorenzo Creek that ranges from approximately 62 to 75 feet in width and runs along the entirety of the site, and an approximately 35-foot-wide slope protection easement in the eastern corner. The slope protection easement is located fully within the boundaries of the conservation easement.

2.2 PROPOSED PROJECT

The proposed project involves construction of an approximately 57,694-square-foot, four-story residential building that would include 30 apartment units and associated site improvements including right-of-way improvements to Rockaway Lane, landscaping, and utility improvements, as further detailed below. Figure 2-3 depicts the conceptual site plan, and the proposed typical floor plans are shown on Figure 2-4. Conceptual building elevations are shown on Figures 2-5 and 2-6.

2.2.1 Building Program

As shown on Figure 2-4, the proposed project would include the construction of a new L-shaped residential building on the western half of the project site. The proposed building would be approximately 57,694 square feet in size and would include a ground-level parking garage and three floors of residential uses, with each containing 10 units. The residential units would consist of 3 studio units that would be approximately 449 to 463 square feet in size, 3 two-bedroom units that would be approximately 740 square feet in size, and 24 three-bedroom units that would range

[2] City of Hayward. 2014c. *Hayward 2040 General Plan Policy Document.* July.
[3] City of Hayward. 2023. Hayward Municipal Code (as amended). April 25.

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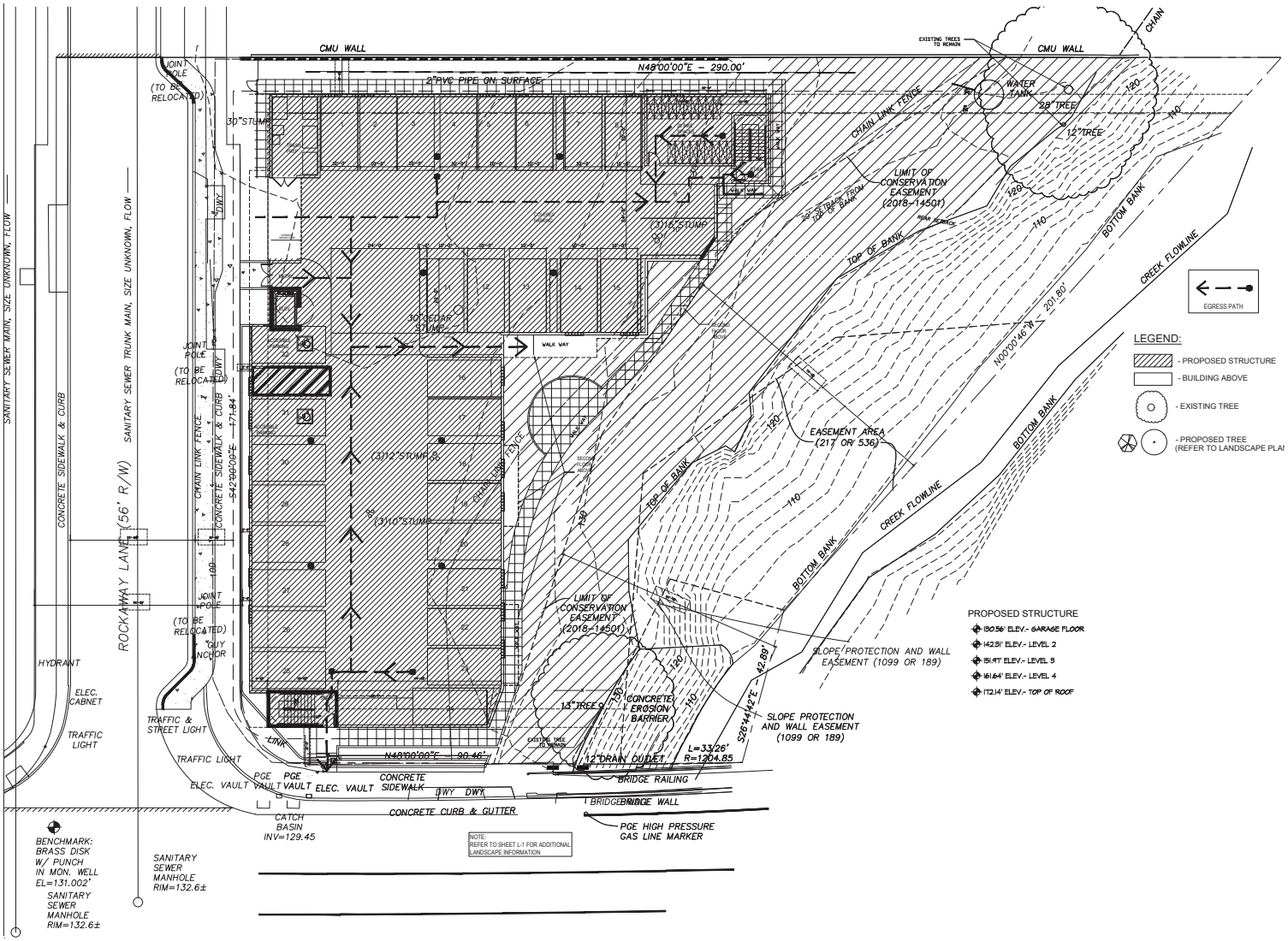

LSA

FIGURE 2-3

NOT TO SCALE

SOURCE: Lea & Braze Engineering, Inc., 2023

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22422 Rockaway Lane Project IS/MND
Proposed Conceptual Site Plan

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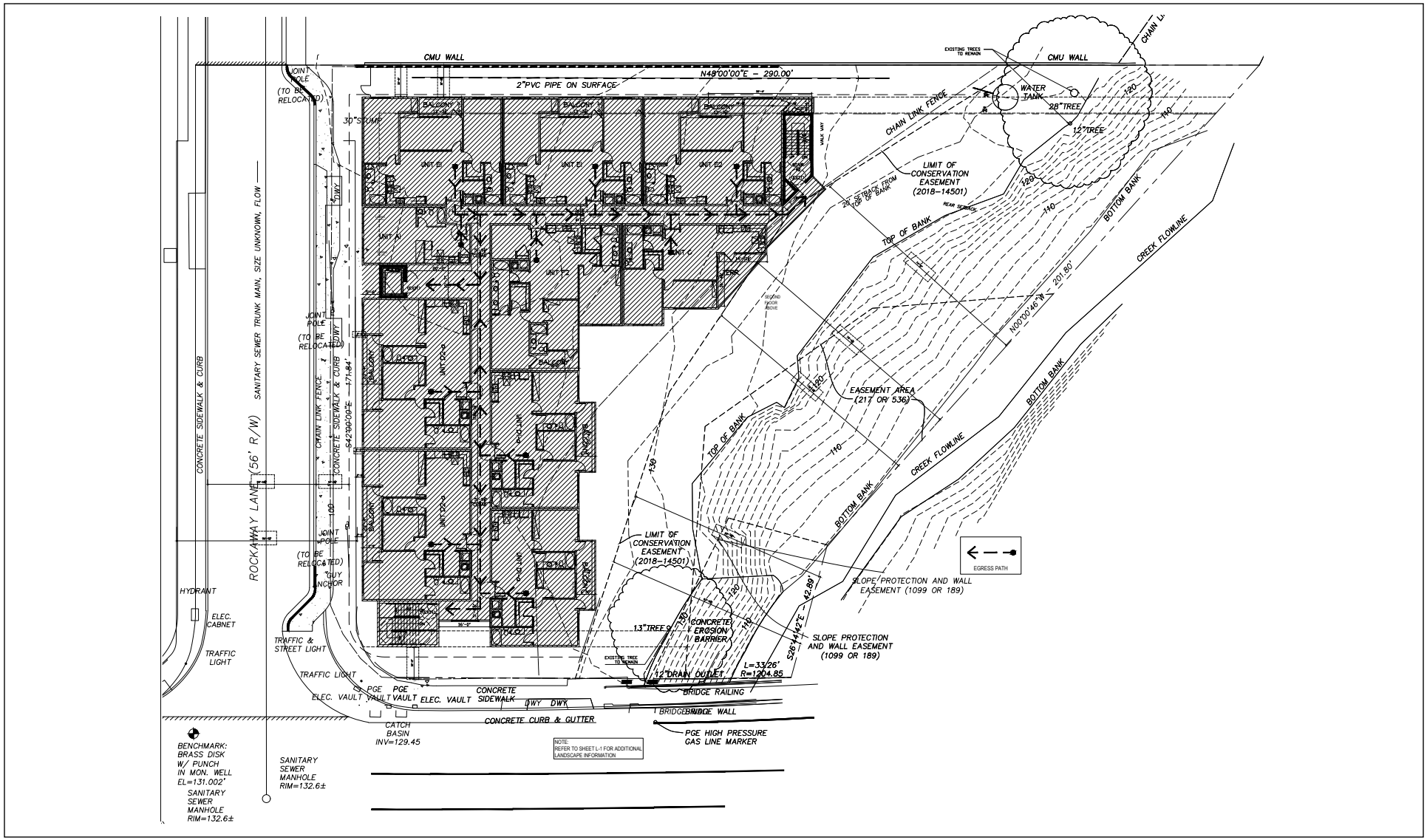

LSA

FIGURE 2-4

NOT TO SCALE

SOURCE: Lea & Braze Engineering, Inc., 2023

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22422 Rockaway Lane Project IS/MND
Proposed Typical Conceptual Floor Plan

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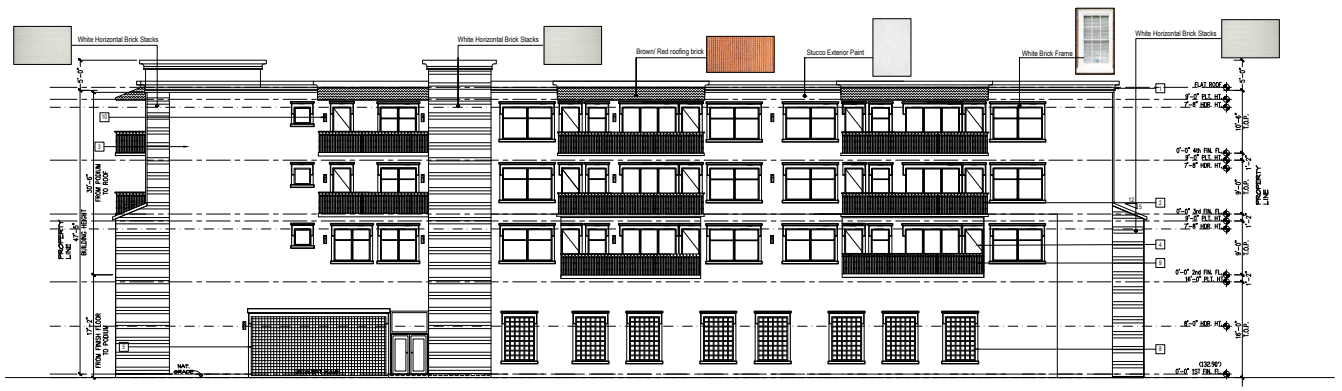
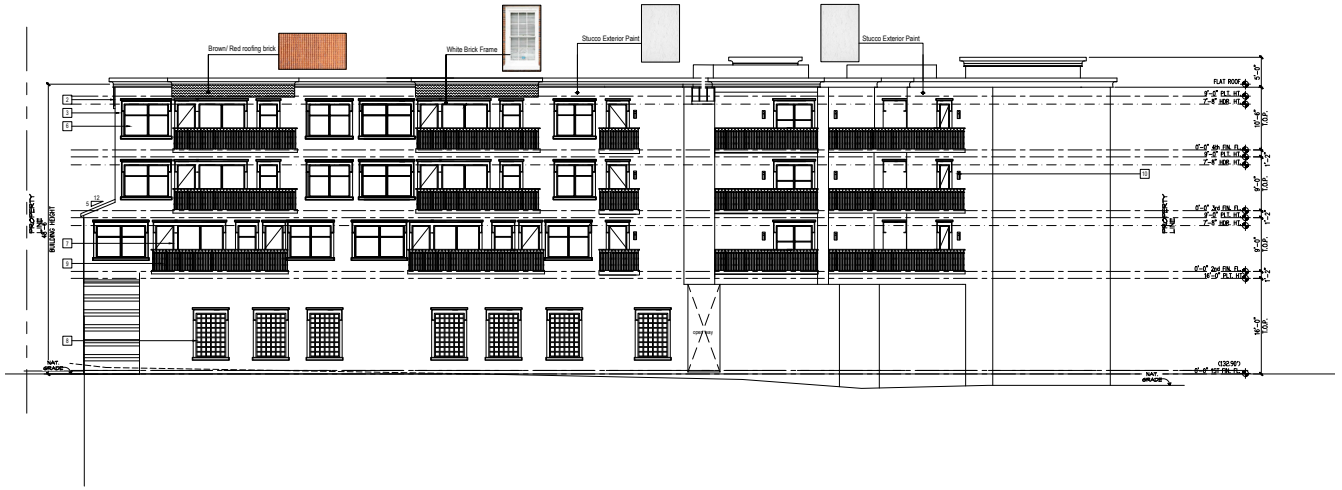


FRONT ELEVATION



REAR ELEVATION

LSA

FIGURE 2-5

NOT TO SCALE

SOURCE: Lea & Braze Engineering, Inc., 2023

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22422 Rockaway Lane Project IS/MND

Proposed Conceptual Building Elevations - Southwest and Northeast

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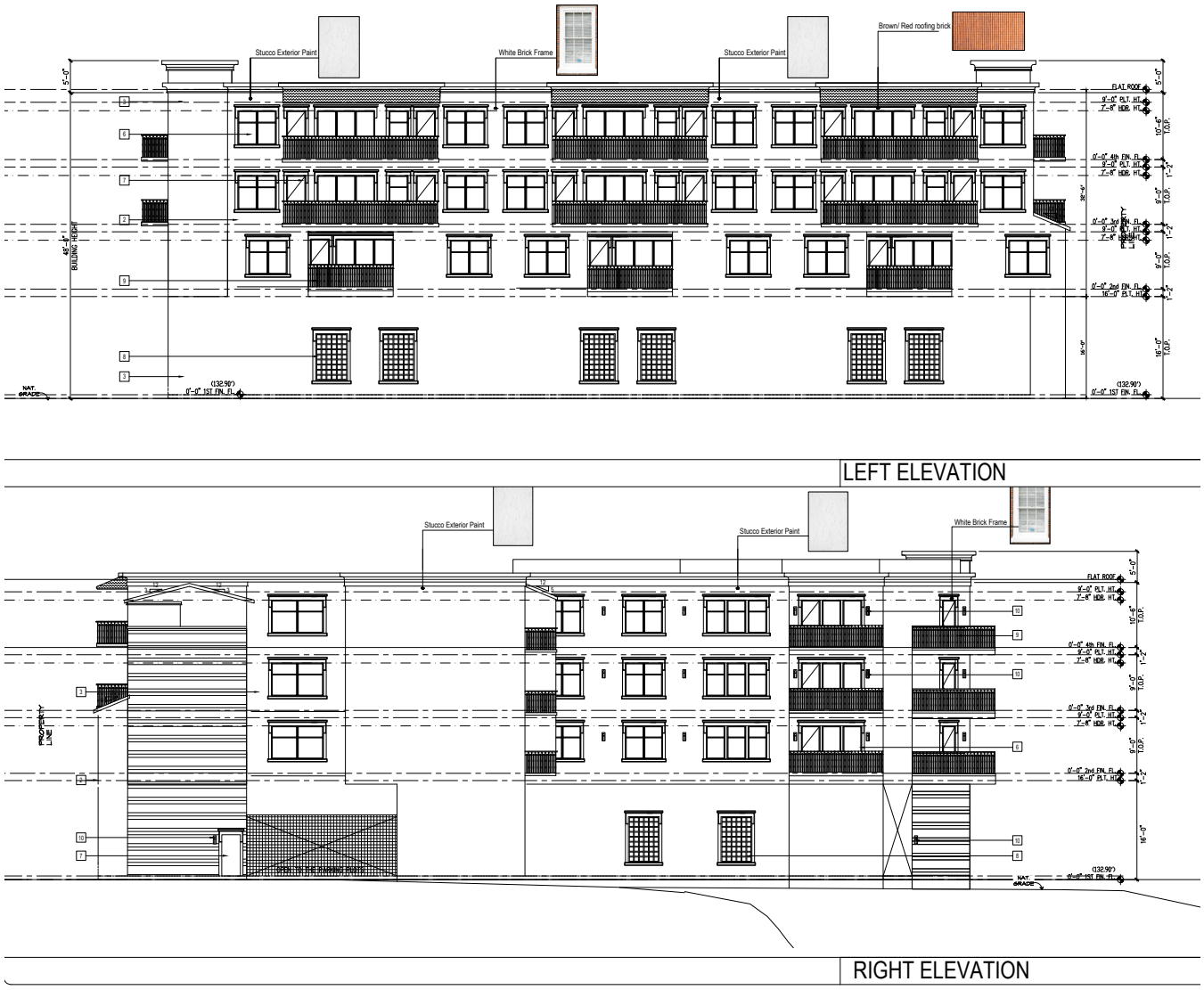

LSA

FIGURE 2-6

NOT TO SCALE

SOURCE: Lea & Braze Engineering, Inc., 2023

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22422 Rockaway Lane Project IS/MND

Proposed Conceptual Building Elevations - Northwest and Southeast

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from approximately 1,104 to 1,524 square feet in size. Two of the residential units would be income-restricted and available to households at the low- and very-low-income levels.[4] The proposed building would be a maximum of four stories and approximately 48 feet in height, with stairwells and other architectural features extending another 5 feet beyond the parapet.

2.2.2 Open Space and Landscaping

The majority of on-site landscaping would be situated along the perimeter of the proposed building. Trees and ornamental vegetation would border the project site on all sides. A total of approximately 2,412 square feet of exterior open space would be provided on the project site. Landscaped bioretention basins would also be located throughout the site. There would be 9 existing trees removed from the project site and 5 new trees planted.

2.2.3 Access, Circulation, and Parking

As described above, the proposed project would include a ground-floor parking garage that would be accessed via a new driveway along Rockaway Lane. The parking garage would include a total of 32 vehicle parking spaces, which would include two accessible parking spaces. The parking garage would also include a bicycle parking room that would provide long-term storage for up to 20 bicycles. Pedestrian access within the building would be provided by two entrances along Rockaway Lane that would provide access to stairwells and an elevator. An additional stairwell would also be provided adjacent to the bicycle storage room.

The proposed project would also include dedication of approximately 8 feet along Rockaway Lane to allow widening of the roadway from 48 feet to 56 feet. As a part of this dedication, the proposed project would include the demolition and reconstruction of the existing sidewalk, curb, and gutter along Rockaway Lane.

2.2.4 Utilities and Infrastructure

The project site is located in an urban area that is currently served by existing utilities, including water, sanitary sewer, storm drainage, electricity, and telecommunications infrastructure. Existing and proposed utility connections are discussed below.

2.2.4.1 Water

The City of Hayward owns and operates its own water distribution system and provides water service to almost all of the residential, commercial, and industrial users within the incorporated city limits, including the project site. A 6-inch-diameter distribution main is located within the Rockaway Lane right-of-way and would serve the project site via 1.5-inch-diameter connections for each residential unit. In addition, the proposed project would include removal of a portion of the existing water main within Rockaway Lane and replacement with a 12-inch-diameter line.

[4] Low-income households and very-low-income households are those earning less than 80 and 50 percent of the area median income (AMI), respectively.

2.2.4.2 Wastewater

The City of Hayward owns and operates the wastewater collection and treatment system that serves almost all of the residential, commercial, and industrial users within the incorporated city limits. The East Bay Dischargers Authority disposes of the treated wastewater. A 6-inch-diameter sanitary sewer main is located within the Rockaway Lane right-of-way and would serve the project site via a new connection.

2.2.4.3 Stormwater

No impervious surfaces are currently present on the project site. Upon construction of the proposed project, approximately 17,280 square feet (44 percent) of the project site would be covered by impervious surfaces and approximately 22,248 square feet (56 percent) would be covered by pervious surfaces consisting of landscaped areas with lawns, shrubs, trees, and bioretention areas, as mentioned above. Stormwater drains and catch basins would be installed throughout the site, connecting to on-site biotreatment areas as well as existing inlets along A Street.

2.2.4.4 Electricity

The project site is currently served by overhead electricity lines operated by the Pacific Gas & Electric Company (PG&E) along Rockaway Lane. The proposed project would connect to and underground these existing lines. The proposed building would be all electric, and no natural gas service or connection is proposed.

2.2.5 Construction

The maximum depth of excavation for building pads would be approximately 12 feet from the existing grade, and the maximum depth of utility trenching would be approximately 8 feet. It is anticipated that a total of 920 cubic yards of soil would be excavated and 640 cubic yards would be used for fill; therefore, approximately 280 cubic yards of cut would be exported from the site. Construction of the proposed project is anticipated to begin in December 2023 and would occur over an approximately 18-month period.

2.3 PROJECT APPROVALS

The City of Hayward is the CEQA Lead Agency for the proposed project. A list of these agencies and potential permits and approvals that may be required is provided in Table 2.A.

Table 2.A: Potential Permits and Approvals

Lead Agency	Permits/Approvals
City of Hayward	• IS/MND Adoption • Site Plan Review • Grading Permit • Encroachment Permit • Building Permit • Water and Wastewater Connection Approval • Fire Hydrant Permit • Fire Sprinkler Permit • Fire Alarm Permit

Source: Compiled by LSA (2023).
IS/MND = Initial Study/Mitigated Negative Declaration

In addition, the proposed project qualifies for a density bonus pursuant to the State Density Bonus Law. The proposed project would provide two income-restricted residential units, which allows for a 22.5 percent increase in the residential density allowed for the site and an increase in the maximum building height to 50 feet, among other waivers, concessions and incentives.

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3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist in Chapter 3.0.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology/Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☐ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

3.1 DETERMINATION

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "Potentially Significant Impact" or "Potentially Significant Unless Mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Taylor Richard
Signature

November 13, 2023
Date

Taylor Richard
Printed Name

Associate Planner
Title

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4.0 CEQA ENVIRONMENTAL CHECKLIST

4.1 AESTHETICS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway	☐	☐	☐	☒
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a. Would the project have a substantial effect on a scenic vista? ***(Less Than Significant Impact)***

Scenic vistas are generally defined as publicly-accessible viewpoints that provide expansive or panoramic views of scenic resources. In Hayward, scenic vistas are characterized by public views of natural topography, open grassland vegetation, rolling hills, and the Bay shoreline.[5] While Hayward is largely urban, with a relatively dense development pattern that can restrict scenic views, higher elevations in the hills and portions of the shoreline provide scenic vistas of the San Francisco Bay and views to the East Bay hills.

The project site is currently undeveloped with bare earth and grasses covering the majority of the site. While the western half of the site and surrounding areas are generally level, the eastern half of the site includes a portion of the bank of the San Lorenzo Creek (creek). The project site is generally surrounded by residential and commercial uses and vacant land, as well as the heavily-vegetated creek. Public views in the vicinity of the project site are generally diverse and characterized by the urban setting. Scenic views of the hills and Bay shoreline from the project site are obstructed by existing surrounding development and mature trees.

The proposed project involves construction of an approximately 57,694-square-foot residential building that would include 30 apartment units and associated site improvements including right-of-way improvements to Rockaway Lane, landscaping, and utility improvements. The proposed building would be a maximum of four stories and approximately 48 feet in height, with architectural features extending another 5 feet beyond the parapet. The proposed project would include landscaping around the perimeter of the proposed building, providing screening from view of the

[5] City of Hayward. 2014a. *Hayward 2040 General Plan Background Report.* January.

creekside, and improving the site's overall visual appearance. In addition, the character of the proposed building would be similar to the existing surrounding residential and commercial uses and would be consistent with the surrounding architectural styles. Development of the proposed project would not substantially obscure any views of scenic vistas from surrounding public vantage points, such as trails or designated viewing areas, because none are located within the vicinity of the project site. Therefore, public views of the project site from surrounding areas would generally blend with surrounding urban development. The proposed project would not result in a substantial adverse effect on a scenic vista, and this impact would be less than significant.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ***(No Impact)***

The proposed project is not located within the vicinity of any State Scenic Highways. The nearest officially designated State Scenic Highway is Interstate 580 (I-580) from the limits of San Leandro north to State Route 24 (SR-24) in Oakland, which is about 5 miles northwest of the project site.[6] In addition, I-580 from the limits San Leandro east to the Alameda County line is listed as an Eligible State Scenic Highway, but is not officially designated and is located approximately 0.75 mile north of the project site. Given this distance, the proposed project would not be visible from the designated State Scenic Highway. In addition, the proposed project would not damage any scenic resources, including trees, rock outcroppings, or historic buildings. Therefore, the proposed project would have no impact on scenic resources located within view of a State Scenic Highway.

c. In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? ***(Less Than Significant Impact)***

The project site is located within an urbanized area. As noted in Chapter 2.0, Project Description, the project site is located within the Commercial Office (CO) zoning district, which is intended to provide for and protect administrative, professional, business, and financial organizations that are not detrimental to the residential use of adjacent properties. Multi-family dwellings are a permitted use within the CO zoning district,[7] and the CO zoning district allows a maximum building height of 40 feet, with an additional 15 feet allowance for architectural features in accordance with Hayward Municipal Code 10-1.2730(B)(1). Pursuant to State Density Bonus Law, the project qualifies for an increase in the building height on the site to 50 feet. Construction of the proposed project would alter the visual character of the project site through construction of an approximately 57,694-square-foot residential building that would be a maximum of four stories and approximately 48 feet in height, with stairwells and other architectural features extending another 5 feet beyond the parapet. The proposed project would also involve associated site improvements, including right-of-way improvements to Rockaway Lane, landscaping, and utility improvements. However, the height and character of the proposed project would be similar to the existing surrounding commercial and residential uses and would be consistent with the surrounding architectural styles. The proposed

6 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report.* January.
7 City of Hayward. 2023. Hayward Municipal Code (as amended). April 25.

project would also be consistent with the uses planned for the project site by the Hayward 2040 General Plan and City of Hayward Zoning Ordinance. Additionally, the proposed project is subject to Site Plan Review, which provides for the review of the physical improvements to the project site, including the overall building scale, massing, and design to ensure compatibility and compliance with City of Hayward (City) requirements governing scenic quality. Therefore, the proposed project would not substantially degrade the existing visual character or quality of the site or its surroundings, and impacts to the existing visual character or quality of the site would be less than significant.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? ***(Less Than Significant Impact)***

The project site is located in an urbanized area that is subject to pre-existing exterior lighting from surrounding residential and commercial development and existing street lighting. The proposed project would introduce new sources of light and glare to the area in the form of new windows and exterior lighting. However, new sources of light and glare associated with the project would not be substantial given the existing lighting sources. In addition, on-site lighting would be further reviewed during the Building Permit processes, and the proposed lighting plan would be subject to standard City conditions of approval that require the provision of adequate lighting and placement of fixtures to ensure that spillover light and glare are reduced to the extent feasible, as required by Section 10-2.640 of the City's Municipal Code. Daytime glare would not be substantial because no highly reflective glass elements are proposed as part of the proposed project. Therefore, the proposed project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area, and this impact would be less than significant.

4.2 AGRICULTURE AND FORESTRY RESOURCES

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

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

*a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? **(No Impact)***

The project site is located within an urbanized area of Hayward. There are no agricultural uses located within or adjacent to the project site. Additionally, the site is classified as "Urban and Built-Up Land" by the California Department of Conservation (DOC).[8] Therefore, development of the proposed project would not convert agricultural land to a non-agricultural use. The proposed project

[8] California Department of Conservation (DOC). 2016. California Important Farmland Finder (map). Website: maps.conservation.ca.gov/dlrp/ciff/ (accessed June 19, 2023).

would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use and no impact would occur.

b. Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract? ***(No Impact)***

The project site is designated Commercial/High-Density Residential in the Hayward 2040 General Plan and is zoned CO. The project site is not subject to a Williamson Act Contract.[9] Therefore, development of the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract, and no impact would occur.

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? ***(No Impact)***

The project site is located within an existing urban area of Hayward and is zoned CO. The proposed project would not conflict with existing zoning for, or cause rezoning of, forest land or conversion of forest land to non-forest uses, and no impact would occur.

d. Would the project result in the loss of forest land or conversion of forestland to non-forest use? ***(No Impact)***

Refer to Section 4.2.c. The proposed project would not result in the loss of forest land or conversion of forest land to non-forest uses, and no impact would occur.

e. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? ***(No Impact)***

Refer to Sections 4.2.a and 4.2.c. The project site is located within an existing urban environment and would not result in the conversion of farmland to non-agricultural uses or forest land to non-forest uses. The proposed project would not adversely affect agricultural or forestry resources, and no impact would occur.

[9] State of California. 2015. Alameda County Williamson Act FY 2014/2015 (map). September 28.

4.3 AIR QUALITY

Where available, the significance criteria established by the applicable Air Quality Management District (AQMD) or Air Pollution Control District (APCD) may be relied upon to make the following determinations.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☒	☐	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The project site is within the jurisdiction of the Bay Area Air Quality Management District (BAAQMD), which regulates air quality in the San Francisco Bay Area. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. Ambient concentrations of air pollutants and the number of days during which the region exceeds air quality standards have fallen substantially. In Hayward, and the rest of the San Francisco Bay Area Air Basin (air basin), exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels (e.g., cold, windless winter nights or hot, sunny summer afternoons). Within the BAAQMD, ambient air quality standards (AAQS) for ozone (O_3), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 microns in size (PM_{10}), particulate matter less than 2.5 microns in size ($PM_{2.5}$), and lead (Pb) have been set by both the State of California and the federal government. The State has also set standards for sulfate and visibility. The BAAQMD is under State non-attainment status for ozone and particulate matter standards. The BAAQMD is classified as non-attainment for the federal ozone 8-hour standard and non-attainment for the federal $PM_{2.5}$ 24-hour standard.

*a. Would the project conflict with or obstruct implementation of the applicable air quality plan? **(Less Than Significant Impact)***

The applicable air quality plan is the BAAQMD 2017 Clean Air Plan (Clean Air Plan),[10] which was adopted on April 19, 2017. The Clean Air Plan is a comprehensive plan to improve Bay Area air quality and protect public health. The Clean Air Plan defines control strategies to reduce emissions and ambient concentrations of air pollutants; safeguard public health by reducing exposure to air pollutants that pose the greatest heath risk, with an emphasis on protecting the communities most heavily affected by air pollution; and reduce greenhouse gas (GHG) emissions to protect the climate.

[10] Bay Area Air Quality Management District (BAAQMD). 2017. Clean Air Plan. April 19.

Consistency with the Clean Air Plan can be determined if the project: (1) supports the goals of the Clean Air Plan; (2) includes applicable control measures from the Clean Air Plan; and (3) would not disrupt or hinder implementation of any control measures from the Clean Air Plan.

Clean Air Plan Goals. The primary goals of the BAAQMD Clean Air Plan are to attain air quality standards, reduce population exposure and protect public health in the Bay Area, and reduce GHG emissions and protect the climate.

The BAAQMD has established significance thresholds for project construction and operational impacts at a level at which the cumulative impact of exceeding these thresholds would have an adverse impact on the region's attainment of air quality standards. The health and hazards thresholds were established to help protect public health. As discussed in Section 4.3.b below, implementation of the proposed project would result in less than significant operation-period emissions and, with implementation of Mitigation Measure AIR-1, the project would result in less than significant construction-period emissions. Therefore, the project would not conflict with the Clean Air Plan goals.

Clean Air Plan Control Measures. The control strategies of the Clean Air Plan include measures in the following categories: Stationary Source Control Measures, Transportation Control Measures, Energy Control Measures, Building Control Measures, Agriculture Measures, Natural and Working Lands Control Measures, Waste Management Control Measures, Water Control Measures, and Super-GHG Control Measures.

Stationary Source Control Measures. The Stationary Source Control Measures, which are designed to reduce emissions from stationary sources (e.g., metal melting facilities, cement kilns, refineries, and glass furnaces) are incorporated into rules adopted by the BAAQMD and then enforced by the BAAQMD's Permit and Inspection programs. Since the project would not include any stationary sources, the Stationary Source Control Measures of the Clean Air Plan are not applicable to the project.

Transportation Control Measures. The BAAQMD identifies Transportation Control Measures as part of the Clean Air Plan to decrease emissions of criteria pollutants, toxic air contaminants (TACs), and GHGs by reducing demand for motor vehicle travel, promoting efficient vehicles and transit service, decarbonizing transportation fuels, and electrifying motor vehicles and equipment. The proposed project would result in the development of the project site with a residential building that would locate residents near existing commercial uses and would be located in close proximity to alternative modes of transportation, including bus stops along B Street, approximately 550 feet southeast of the project site. In addition, as described in Section 4.17, Transportation, the proposed project would result in a less than significant vehicle miles traveled (VMT) impact. Therefore, the project would promote the BAAQMD's initiatives to reduce vehicle trips and VMT. As such, the proposed project would not conflict with the identified Transportation Control Measures of the Clean Air Plan.

Energy Control Measures. The Clean Air Plan also includes Energy Control Measures that are designed to reduce emissions of criteria air pollutants, TACs, and GHGs by decreasing the amount of electricity consumed in the Bay Area, as well as decreasing the carbon intensity of

the electricity used by switching to less GHG-intensive fuel sources for electricity generation. Since these measures apply to electrical utility providers and local government agencies (and not individual projects), the Energy Control Measures of the Clean Air Plan are not applicable to the project.

Building Control Measures. The BAAQMD has authority to regulate emissions from certain sources in buildings (e.g., boilers and water heaters) but has limited authority to regulate buildings themselves. Therefore, the strategies in the control measures for this sector focus on working with local governments that do have authority over local building codes to facilitate adoption of the best GHG control practices and policies. Therefore, the Building Control Measures of the Clean Air Plan are not applicable to the project. However, as required by the State of California, the proposed project would be required to comply with the latest California Green Building Standards Code (CALGreen Code) standards and the City of Hayward's REACH code.

Agriculture Control Measures. The Agriculture Control Measures are designed to primarily reduce emissions of methane (C_4). Since the project does not include any agricultural activities, the Agriculture Control Measures of the Clean Air Plan are not applicable to the project.

Natural and Working Lands Control Measures. The Natural and Working Lands Control Measures focus on increasing carbon sequestration on rangelands and wetlands, as well as encouraging local governments to adopt ordinances that promote urban-tree plantings. Since the project does not include the disturbance of any rangelands or wetlands, the Natural and Working Lands Control Measures of the Clean Air Plan are not applicable to the project.

Waste Management Control Measures. The Waste Management Control Measures focus on reducing or capturing CH_4 emissions from landfills and composting facilities, diverting organic materials away from landfills, and increasing waste diversion rates through efforts to reduce, reuse, and recycle. The project would comply with local requirements for waste management (e.g., recycling and composting services), including Chapter 5 Article 10 of the Hayward Municipal Code, Construction and Demolition Debris Waste Reduction and Recycling Requirements, which would divert demolition and construction debris from landfills, and process and return the materials into the economic mainstream, thereby conserving natural resources and stimulating markets for recycled and salvaged materials. Therefore, the project would be consistent with the Waste Management Control Measures of the Clean Air Plan.

Water Control Measures. The Water Control Measures focus on reducing emissions of criteria pollutants, TACs, and GHGs by encouraging water conservation, limiting GHG emissions from publicly owned treatment works (POTWs), and promoting the use of biogas recovery systems. Since these measures apply to POTWs and local government agencies (and not individual projects), the Water Control Measures are not applicable to the project. However, as noted above, the project would be required to comply with the latest CALGreen Code standards, which includes a variety of different measures, including reduction of wastewater and water use. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance, which would reduce outdoor water use. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

Super-GHG Control Measures. The Super-GHG Control Measures are designed to facilitate the adoption of best GHG control practices and policies through the BAAQMD and local government agencies, such as reducing CH_4 from landfills and farming activities through the Waste Management Control Measures and the Agricultural Control Measures, enforce applicable regulations on the servicing of existing air conditioning units in motor vehicles, tracking progress in adoption and implementation of GHG reduction measures in local plans, and developing a GHG air monitoring plan for the Bay Area. Many of these measures do not apply to individual projects; however, as identified above, the project would be consistent with the applicable Waste Management Control Measures of the Clean Air Plan. As such, the proposed project would not conflict with the Super-GHG Control Measures.

Clean Air Plan Implementation. As discussed above, the proposed project would generally implement the applicable measures outlined in the Clean Air Plan, including Transportation Control Measures, Building Control Measures, Waste Management Control Measures, and Water Control Measures. Therefore, the project would include applicable control measures from the Clean Air Plan and would not disrupt or hinder implementation of any control measures from the Clean Air Plan. Therefore, this impact would be less than significant.

b. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? ***(Less Than Significant with Mitigation Incorporated)***

The BAAQMD is currently designated as a nonattainment area for State and national O_3 standards and national particulate matter AAQS. The BAAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Construction Emissions. During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by grading, hauling, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_X, reactive organic gases (ROGs), directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter (DPM).

Project construction activities would include the following tasks: site preparation, excavation, grading, building construction, paving, and architectural coatings. Construction-related effects on air

quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The BAAQMD has established standard measures for reducing fugitive dust emissions (PM_{10}). With the implementation of these Basic Construction Mitigation Measures, fugitive dust emissions from construction activities would not result in adverse air quality impacts. In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, nitrogen oxides (NO_X), ROGs, and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

The BAAQMD has developed screening criteria to provide lead agencies with a conservative indication of whether a proposed project would result in potentially significant air quality impacts. If all of the screening criteria are met by a proposed project, then the lead agency would not need to perform a detailed air quality assessment of the proposed project's emissions. These screening levels are generally representative without any form of mitigation measures taken into consideration. In addition, the screening criteria do not account for project design features, attributes, or local development requirements that could also result in lower emissions.

For multi-family residential land uses (apartments, condos, and townhouses), the BAAQMD screening size for construction criteria pollutants is 416 units. The proposed project would result in the construction of a 30-unit apartment building on a vacant site. In addition, the following screening criteria would need to be met:

- All Best Management Practices (BMPs) are included in the project design and implemented during construction.
- Construction-related activities would not overlap with operational activities.
- Construction-related activities would not include:
    - Demolition;
    - Simultaneous occurrence of two or more construction phases (e.g., paving and building construction would occur simultaneously);

- Extensive site preparation (e.g., grading, cut and fill, or earth movement);
- Extensive material transport (e.g., soil import and export requiring a considerable amount of haul truck activity); or
- Stationary sources (e.g., backup generators) subject to BAAQMD's rules and regulations.

The proposed project would be constructed in a single 18-month phase and construction would not overlap with any operational activities. The project site is vacant and therefore would not require any demolition. The proposed project would require site preparation, including 920 cubic yards of soil that would be excavated, 640 cubic yards of which would be reused on site and 280 of which would be exported. However, this amount of site preparation and material transportation would not be extensive because the majority of the site would only require 1 to 2 feet of grading, and exported material would only require approximately 28 truck trips.[11]

The BAAQMD requires the implementation of Basic Construction Mitigation Measures to reduce construction fugitive dust impacts to a less than significant level. Implementation of Mitigation Measure AIR-1 would ensure that the proposed project incorporates the Basic Construction Mitigation Measures and ensures that short-term, construction-period air quality impacts would be less than significant.

Mitigation Measure AIR-1: **Construction Emission Measures.** Consistent with the Bay Area Air Quality Management District (BAAQMD) Basic Construction Mitigation Measures, the following controls are required to be included as specifications for the proposed project and implemented at the construction site:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off site shall be covered.
- All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.

[11] The average commercial dump truck holds approximately 10 to 14 cubic yards of soil. 280 cubic yards of soil / 10 cubic yards = 28 truck trips.

- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.
- Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly-visible sign shall be posted with the telephone number and person to contact at the City of Hayward regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

With implementation of Mitigation Measure AIR-1, construction activities associated with the proposed project are not anticipated to exceed established thresholds. As such, construction of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under applicable National or California ambient air quality standards (NAAQS and CAAQS, respectively), and impacts would be less than significant.

Operational Emissions. Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of electricity or natural gas) and the emission factor of the fuel source. As discussed in Chapter 2.0, the proposed project would

be all electric and would not include natural gas. Therefore, the proposed project would not generate energy source emissions. Area source emissions associated with the project would include emissions from the use of landscaping equipment.

As discussed above, the BAAQMD has developed screening criteria to determine whether a project requires an analysis of project-generated criteria air pollutants. If all the screening criteria are met by a proposed project, then the lead agency does not need to perform a detailed air quality assessment. For multi-family residential land uses, the BAAQMD screening size for operational criteria pollutants is 638 units. The proposed project would include the construction of a 30-unit apartment building. Therefore, based on the BAAQMD's screening criteria, the proposed project is not anticipated to exceed established thresholds. Therefore, operation of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable NAAQS or CAAQS. Impacts would be less than significant and no mitigation is required.

Localized CO Impacts. Emissions and ambient concentrations of CO have decreased dramatically in the Bay Area with the introduction of the catalytic converter in 1975. No exceedances of the State or federal CO standards have been recorded at Bay Area monitoring stations since 1991. The BAAQMD's 2022 CEQA Guidelines include recommended methodologies for quantifying concentrations of localized CO levels for proposed transportation projects. A screening level analysis using guidance from the BAAQMD 2022 CEQA Guidelines was performed to determine the impacts of the project. The screening methodology provides a conservative indication of whether the implementation of a proposed project would result in significant CO emissions. According to the BAAQMD's 2022 CEQA Guidelines, a proposed project would result in a less than significant impact to localized CO concentrations if the following screening criteria are met:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, and the regional transportation plan and local congestion management agency plans.

- Project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.

- The project would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, or below-grade roadway).

Implementation of the proposed project would not conflict with the Alameda County Transportation Commission (Alameda CTC) Congestion Management Program (CMP) as it would generate fewer than 100 p.m. peak-hour vehicle trips (refer to Section 4.17, Transportation). Additionally, the proposed project would generate approximately 11 a.m. peak-hour trips and 12 p.m. peak-hour trips; therefore, the project's contribution to peak-hour traffic volumes at intersections in the vicinity of the project site would be well below 44,000 vehicles per hour (vph). Furthermore, the proposed project would not increase traffic volumes at intersections where horizontal mixing is substantially limited because none of the intersections in the vicinity of the project site would meet

the criteria. Therefore, the proposed project would not result in localized CO concentrations that exceed State or federal standards.

c. Would the project expose sensitive receptors to substantial pollutant concentrations? ***(Less Than Significant Impact)***

Sensitive receptors are defined as residential uses, schools, daycare centers, nursing homes, and medical centers. Individuals particularly vulnerable to DPM are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to DPM. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks. The proposed project is generally surrounded by a mix of residential and commercial uses. The closest sensitive receptors to the project site include the multi-family residential units located approximately 30 feet north of the project site.

Construction of the proposed project may generate airborne particulates, as well as a small quantity of construction equipment pollutants (i.e., usually diesel-fueled vehicles and equipment). However, construction contractors would be required to implement Mitigation Measure AIR-1 (the BAAQMD's Basic Construction Mitigation Measure). As discussed above, with implementation of Mitigation Measure AIR-1, implementation of BAAQMD-required diesel and particulate reduction measures would be required during construction. Once constructed, the proposed project would not be a source of substantial pollutant emissions. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during project construction and operation, and potential impacts would be less than significant.

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? ***(Less Than Significant Impact)***

During construction, the various diesel-powered vehicles and equipment in use on site would create localized odors. These odors would be temporary and are not likely to be noticeable for extended periods of time beyond the project site. The potential for diesel odor impacts is therefore considered less than significant. Additionally, the proposed residential use would not produce any offensive odors. This impact would be less than significant.

4.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

The information and analysis in this section is based on the Biological Resources Assessment (included in Appendix A)[12] and Arborist Report (Appendix B)[13] completed for the proposed project.

An LSA biologist conducted a reconnaissance-level site survey of the proposed project site on February 17, 2021. LSA assessed the potential presence of special-status species and sensitive habitats on site. The potential presence of special-status species was determined based on an evaluation of the habitat types present on the site and the California Natural Diversity Database (CNDDB) records and other occurrence information from the vicinity.

The project site currently supports a grassland field and San Lorenzo Creek and its associated riparian woodland, and a California Department of Transportation (Caltrans) conservation easement exists along the northeastern boundary of the project site. Plants on the site primarily consisted of nonnative annual grassland field, including wild oats (*Avena* sp.), ripgut brome (*Bromus diandrus*),

12 LSA Associates, Inc. 2021. *Biological Resources Assessment for Proposed 30-Unit Apartment Building, 22422 Rockaway Lane, Hayward, Alameda County.* March 3.

13 Traverso Tree. 2022. *Revised Arborist Report for 22422 Rockaway Lane, Hayward.* October 5.

Smilo grass (*Stipa miliacea*), wild radish (*Raphanus sativus*), bur clover (*Medicago polymorpha*), mallow (*Malva* sp.), cutleaf geranium (*Geranium dissectum*), red stemmed filaree (*Erodium cicutarium*), black mustard (*Brassica nigra*), Bermuda buttercup (*Oxalis pes-caprae*), Himalayan blackberry (*Rubus armeniacus*), and dandelion (*Taraxacum officinale*). Other plants observed on the site included Native miner's lettuce (*Claytonia perfoliata*), a few ornamental plants, a small coast live oak (*Quercus agrifolia*) seedling, a re-sprouted coast redwood (*Sequoia sempervirens*), and a few other old tree stumps. Plants observed within the riparian woodland associated with San Lorenzo Creek included coast live oak, silver wattle (*Acacia dealbata*), California bay (*Umbellularia californica*), California buckeye (*Aesculus californica*), arroyo willow (*Salix lasiolepis*), coyote brush (*Baccharis pilularis*), stinging nettle (*Urtica dioica*), English ivy (*Hedera helix*), agave (*Agave* sp.), agapanthus (*Agapanthus* sp.), giant reed (*Arundo donax*), milk thistle (*Silybum marianum*), miner's lettuce, and other various trees and understory vegetation. The conservation easement supports nonnative grasses and fobs similar to those present within the site's grassland field; additionally, a few California sagebrush (*Artemisia californica*), California rose (*Rosa californica*), and coyote brush (*Baccharis pilularis*) plants were observed near the central portion of the conservation easement.

Wildlife species or wildlife sign observed within or adjacent to the project site during the field survey consisted of mallard (*Anas platyrhynchos*), Anna's hummingbird (*Calypte anna*), turkey vulture (*Cathartes aura*), American crow (*Corvus brachyrhynchos*), oak titmouse (*Baeolophus inornatus*), black phoebe (*Sayornis nigricans*), American robin (*Turdus migratorius*), song sparrow (*Melospiza melodia*), yellow-rumped warbler (*Setophaga coronata*), and fox squirrel (*Sciurus niger*). Several additional wildlife species are expected to inhabit the site or the adjacent riparian corridor during various times of the year; therefore, the above list of species is not an exhaustive list of species that could occur at the site. The project site and surrounding trees and shrubs provide suitable nesting habitat for several bird species. Birds could nest in the trees, shrubs, and/or structures on or adjacent to the site. Suitable habitat for ground-nesting birds may be present in the on-site grasslands, but ground nesting birds are unlikely to nest within the grassland due to its small size, its urban setting, and accessibility by people and urban predators, such as cats.

a. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? ***(Less Than Significant with Mitigation Incorporated)***

Special-status species are defined as follows:

- Species that are listed, formally proposed, or designated as candidates for listing as threatened or endangered under the Federal Endangered Species Act (FESA);
- Species that are listed, or designated as candidates for listing, as rare, threatened, or endangered under the California Endangered Species Act (CESA);
- Plant species that are on the California Rare Plant Rank (CRPR) Lists 1A, 1B, and 2;
- Animal species that are designated as Species of Special Concern or Fully Protected by the California Department of Fish and Wildlife (CDFW); or

- Species that meet the definition of rare, threatened, or endangered under Section 15380 of the *State CEQA Guidelines*.

Special-Status Plants. Several CNDDB occurrences of special-status plant species have been recorded within 5 miles of the project site, but these species are not likely to occur within the development footprint due to disturbance caused from prior maintenance activities such as grading and mowing on the site and the resulting introduction of nonnative, invasive plant species. The proposed project would be set back from and not impact San Lorenzo Creek, which is where native herbaceous plant species were observed, and therefore has the higher potential for special-status plants to occur. The riparian corridor has been restored with common, native riparian trees, shrubs, forbs, and grasses as part of the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project, but due to prior disturbance, special-status plants are unlikely to occur. Additionally, no special-status plants are expected to occur within the riparian corridor due to the lack of suitable habitat.[14] Therefore, no special-status plants are likely to be present on the project site and impacts would be less than significant.

Special-Status Animals. Several special-status animal species are known to occur in the vicinity and could occur at or near the project site. A discussion of these and other special-status animal species that have potential to occur on or in the vicinity of the site are included below:

California Red-Legged Frog (Rana draytonii). San Lorenzo Creek may provide suitable aquatic habitat for the California red-legged frog, but this species likely does not occur in the segment of the creek adjacent to the project site due to the isolation of this reach of the creek by urban development. The likely presence of introduced predators (i.e., western mosquitofish [*Gambusia affinis*] and American bullfrog [*Rana catesbeianus*]), and the absence of recorded observations in the site's proximity further make the site unsuitable for this species. The closest CNDDB occurrence is approximately 3.7 miles from the site in Hollis Canyon.

Western Pond Turtle (Emys marmorata). The western pond turtle could occur along San Lorenzo Creek. Suitable basking sites and plunge pools were observed in the creek channel adjacent to the project, and pond turtles could nest along the banks of the creek. Potential basking sites would be limited to the sunny areas of the creek with less canopy cover.

Central California Coast Distinct Population Segment of Steelhead (Oncorhynchus mykiss irideus). The Central California Coast Distinct Population Segment (DPS) of steelhead is known to occur in San Lorenzo Creek. The segment of San Lorenzo Creek at the site is passage habitat and may support potential rearing habitat for juvenile steelhead and low-to-moderate quality spawning habitat, and the woody debris and concrete riprap within the channel could provide cover for steelhead. High water temperatures in the creek during the summer, however, could limit suitability of rearing habitat for juvenile steelhead. The potential for migratory or juvenile steelhead to be present within San Lorenzo Creek is very low due to the presence of a likely

[14] LSA Associates, Inc. 2021. *Biological Resources Assessment for Proposed 30-Unit Apartment Building, 22422 Rockaway Lane, Hayward, Alameda County*. March 3.

barrier to migration from the downstream concrete flood control channel and the lack of recent confirmed observations of steelhead.

American Peregrine Falcon (Falco peregrinus anatum), Northern Harrier (Circus hudsonius), Golden Eagle (Aquila chrysaetos), and Tricolored Blackbird (Agelaius tricolor). American peregrine falcon, northern harrier, golden eagle, and tricolored blackbird could briefly forage on or fly over the site but are unlikely to nest on the site due to the lack of suitable nesting habitat on or adjacent to the site. The vacant site is relatively small, is regularly mowed, and does not provide suitable vegetation and cover for northern harrier or tricolored blackbird nests. The trees on the site are situated within a residential neighborhood and are unlikely to support nesting golden eagles. No suitable nesting habitat is present for American peregrine falcon on or near the site.

Burrowing Owl (Athene cunicularia). Although the field could provide suitable foraging habitat, no rodent burrows or other burrow sites suitable for burrowing owl were observed during the reconnaissance-level survey.

White-Tailed Kite (Elanus leucurus). White-tailed kite could nest in the trees or large shrubs on or adjacent to the site and could forage near the site. No white-tailed kites or stick nests were observed during the field survey, but this species could nest on or adjacent to the site in the future.

Loggerhead Shrike (Lanius ludovicianus). Loggerhead shrike could nest in the trees and large shrubs on or adjacent to the site and forage near the site. No shrikes or shrike nests were observed during the field survey, but the site does provide suitable nesting habitat; therefore, this species could nest on or adjacent to the site in the future.

Townsend's Western Big-Eared Bat (Corynorhinus townsendii townsendii), Western Red Bat (Lasiurus blossevillii), Western Mastiff Bat (Eumops perotis californicus), and Pallid Bat (Antrozous pallidus). Townsend's western big-eared bat, western red bat, western mastiff bat, and pallid bat may forage over the on-site grassland field, but no roosting habitat is present in the field. Suitable roosting habitat, however, is present for western red bat, pallid bat, and other bat species within the riparian woodland adjacent to the site. No suitable roosting habitat for Townsend's western big-eared bat and western mastiff bat is present within the riparian woodland, but as stated above, these species could forage above or near the site. The special-status western red bat along with Yuma myotis (*Myotis yumanensis*) and Mexican free-tailed bat (*Tadarida brasiliensis*), which are not considered special-status, were detected in an area on the northern side of San Lorenzo Creek, north of the project site in August 2019.[15] Western red bats do not breed in the San Francisco Bay Area, but migrate to the region in the spring from March through May and in the fall from late August through October. A few non-breeding individuals, however, may remain within the area during the breeding season. No evidence of roosting bats was observed during the survey, but trees suitable for western red bat and trees/snags with

[15] LSA Associates, Inc. 2021. *Biological Resources Assessment for Proposed 30-Unit Apartment Building, 22422 Rockaway Lane, Hayward, Alameda County*. March 3.

cavities suitable for cavity-roosting bats were observed along the San Lorenzo Creek riparian corridor.

Construction of the proposed project could result in the following impacts to special-status species: (1) project construction could directly impact nesting birds, including white-tailed kite and loggerhead shrike, due to the removal of trees or shrubs or trimming that may contain active nests; (2) project construction could directly impact roosting bats due to removal of suitable bat roosting habitat; and (3) project construction could impact California red-legged frog or western pond turtle, due to the removal of suitable aquatic habitat. Implementation of Mitigation Measures BIO-1 through BIO-3 would ensure these impacts would be reduced to a less than significant level.

Mitigation Measure BIO-1: **Nesting Birds.** The project shall avoid construction activities during the bird nesting season (February 1 through August 31). If construction activities are scheduled during the nesting season, a qualified biologist shall conduct a pre-construction survey of all suitable nesting habitat (i.e., field, trees, shrubs, structures) within 250 feet of the project site (where accessible). The pre-construction survey shall be conducted no more than 14 days prior to the start of work. If the survey indicates the presence of nesting birds, protective buffer zones shall be established around the nests as follows: for raptor nests, the size of the buffer zone shall be a 250-foot radius centered on the nest; for other birds, the size of the buffer zone shall be a 50- to 100-foot radius centered on the nest. In some cases, these buffers may be increased or decreased depending on the bird species and the level of disturbance that will occur near the nest.

Mitigation Measure BIO-2: **Roosting Bats.** A qualified biologist shall conduct a pre-construction survey for roosting bats at all suitable bat roosting habitat (i.e., adjacent trees) within the project area within 14 days prior to the beginning of project-related activities. If active bat roosts are discovered or if evidence of recent prior occupation is established, a buffer shall be established around the roost site until the roost site is no longer active. Before any construction activities begin in the vicinity of the identified bat roosts on the project site, a qualified biologist shall conduct a training session for all construction personnel. At a minimum, the training shall include a description of the bats and their habitat, the specific measures that are being implemented to conserve the bat roosts for the current project, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session.

Mitigation Measure BIO-3: **California Red-Legged Frog and Western Pond Turtle.** The following avoidance measures are recommended for California red-legged frog and western pond turtle:

- Prior to the commencement of construction activities, a qualified biologist shall conduct a training session for all project personnel to provide an overview on the California red-legged frog and western pond turtle, applicable regulatory policies and provisions regarding their protection, and the avoidance and minimization measures to be followed to protect the species.

- The contractor, in coordination with the biologist, shall install exclusionary fencing along the outer perimeter of the riparian corridor setback. The fencing shall be heavy-duty silt-fence or similar material and be buried a minimum of 6 inches so that frogs, turtles, and other animals cannot crawl under the fence and shall be inspected and maintained throughout the construction period.

- A qualified wildlife biologist shall monitor all construction activities within suitable habitat daily during initial ground-disturbing activities, including grading, excavation, and vegetation removal.

- If a California red-legged frog, western pond turtle, or other special-status amphibians and reptile species is observed during project activities, all work that may result in disturbance, injury, or mortality to the individual animal shall cease. The contractor shall notify the biologist, who shall in turn contact the project team, the California Department of Fish and Wildlife (CDFW), and/or the United States Fish and Wildlife Service (USFWS).

Mitigation Measures BIO-1 through BIO-3 would reduce potential impacts to special-status species by requiring pre-construction surveys for California red-legged frog, western pond turtle, nesting birds, and roosting bats prior to construction, requiring construction worker environmental awareness training, and the implementation of BMPs. Pre-construction surveys would determine whether or not any special-status species, including California red-legged frog or western pond turtle, nesting birds, or bats are present on the site. If they are determined to be present, these mitigation measures would require the implementation of specific measures, as determined by a qualified biologist, that would protect special-status species, nesting birds, and bats (e.g., construction buffers) or ensure potential impacts would be reduced to a less than significant level.

*b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? (**Less Than Significant with Mitigation Incorporated**)*

The vegetation along San Lorenzo Creek is considered riparian habitat and a sensitive natural community by the CDFW. No other sensitive natural communities were identified at the project site. The proposed project would not impact or remove any of the riparian vegetation along San Lorenzo

Creek. Furthermore, as required by Mitigation Measure BIO-3, silt/exclusion fencing would be installed along the edge of the riparian woodland setback to avoid potential impacts to the riparian corridor, creek channel, and aquatic species. Therefore, the proposed project would not have a substantial adverse impact on any riparian or other sensitive natural community, and impacts would be less than significant.

c. Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? ***(No Impact)***

A potentially jurisdictional segment of San Lorenzo Creek occurs near the eastern boundary of the project site. However, the proposed project would be set back from the creek and would not include any modifications that would result in the fill or interruption of the creek. No other wetlands or waters of the United States/State that are potentially jurisdictional under Section 404 of the Clean Water Act (CWA) or the Porter-Cologne Water Quality Control Act (Porter-Cologne Act) are present at the project site. Therefore, the proposed project would not have a substantial adverse effect on State or federally protected wetlands, and there would be no impact.

d. Would the project 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? ***(Less Than Significant with Mitigation Incorporated)***

The project site includes a fenced grassland field that does not provide a wildlife movement corridor. The adjacent San Lorenzo Creek and associated riparian woodland, however, do provide a wildlife movement corridor. The wildlife that currently move through this corridor are urban-adapted species, such as raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), Virginia opossum (*Didelphis virginiana*), black-tailed deer (*Odocoileus hemionus*), and various bird and other wildlife species. However, the proposed project would not impact San Lorenzo Creek and its associated riparian habitat and therefore would not have a significant impact to the existing movement of wildlife through this corridor.

The project site includes a grassland field that does not support suitable habitat for wildlife nursery sites, including bird rookeries or roosting bat colonies. Additionally, no evidence of roosting bats (i.e., guano, urine stains, droppings, odor) or bird rookeries were detected on or adjacent to the site during the field survey. However, birds could nest and bats could roost within the riparian woodland adjacent to the site. Mitigation Measures BIO-1 and BIO-2 include measures to prevent potential impacts to nesting birds and roosting bats. Therefore, the proposed project would not impede the use of native wildlife nursery sites, and impacts would be less than significant.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? ***(Less Than Significant Impact)***

There are nine existing trees on the project site, including five protected trees consisting of one black walnut (*Juglans hindsii*), one privet (*Ligustrum lucidum*), and three black locust (*Robinia*

pseudoacacia).[16] All five protected trees have multiple trunks. Additionally, there is a small coast live oak seedling along the fence in the northwestern corner of the site and a re-sprouted coast redwood; both are 1 inch or less in diameter and therefore are not large enough to qualify as ordinance-protected trees, as described below.

Pursuant to Section 10-15 of the City's Municipal Code, the City of Hayward requires a Tree Removal Permit for the removal of any trees with the following characteristics:

- Trees having a minimum trunk diameter of 8 inches measured 54 inches above the ground. When measuring a multi-trunk tree, the diameters of the largest three trunks shall be added together;

- Street trees or other required trees such as those required as a condition of approval, use permit, or other zoning requirement, regardless of size;

- All memorial trees dedicated by an entity recognized by the City, and all specimen trees that define a neighborhood or community;

- Trees of the following species that have reached a minimum trunk diameter of 4 inches:

    - Big leaf maple (*Acer macrophyllum*)
    - California buckeye (*Aesculus californica)*
    - Madrone (*Arbutus menziesii*)
    - Western dogwood (*Cornus nuttallii*)
    - California sycamore (*Platanus racemose*)
    - Coast live oak (*Quercus agrifolia*)
    - Canyon live oak (*Quercus chrysolepis*)
    - Blue oak (*Quercus douglassii*)
    - Oregon white oak (*Quercus garryana*)
    - California black oak (*Quercus kelloggi*)
    - Valley oak (*Quercus lobata*)
    - Interior live oak (*Quercus wislizenii*)
    - California bay (*Umbellularia californica*)

- A tree or trees of any size planted as a replacement for a Protected Tree.

Protected trees that would be removed must be replaced at a ratio of one tree for every protected tree removed. The size of the replacement trees must be commensurate with the size and/or value of the removed trees, as described in Section 10-15.20 of the Municipal Code. When there is not sufficient room on site for the required replacement trees, the ordinance allows the replacement trees to be planted at another site with the approval of the City Landscape Architect or a designated representative.

[16] Traverso Tree. 2022. *Revised Arborist Report for 22422 Rockaway Lane, Hayward.* October 5.

All five of the existing protected trees on the project site have been removed. Per the city ordinance, appraisal values of the removed trees were determined by a certified arborist using standards accepted by the City. While five new trees would be planted on site, the value of the five proposed replacement trees would be less than the value of the trees removed, and site constraints are such that there would not be room to plant more trees on site. The balance of the value of the removed trees would then be contributed to La Vista Park, or another park as determined by the City, for tree planting. Details regarding the appraised values can be found in the Arborist Report (Appendix B).

Removal of protected trees would comply with the City's Municipal Code: replacement trees would be planted at a ratio of one new tree for every tree removed, and the remaining balance of the value of trees removed would be planted off-site due to site constraints. Therefore, the proposed project would not conflict with any local policies or ordinances protecting biological resources, and this impact would be less than significant.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? ***(No Impact)***

The project site is not located within the limits of a conservation plan and therefore would not conflict with any adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP), or other approved local, regional, or State HCP. Therefore, no impact would occur.

The project site is located within a conservation easement for San Lorenzo Creek that ranges from approximately 62 to 75 feet in width and runs along the entirety of the site. Currently the proposed grading plans show potential fill intruding into the easement. However, the City will require, as a condition of project approval, that no grading occurs withing the conservation easement and that a retaining wall be installed. With implementation of this condition of approval, no project activity would occur within the easement.

4.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

*a. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5? **(Less Than Significant with Mitigation Incorporated)***

For a cultural resource to be considered a historical resource (i.e., eligible for listing in the California Register of Historical Resources [California Register]), it generally must be 50 years or older. Under CEQA, historical resources can include precontact (i.e., Native American) archaeological deposits, historic-period archaeological deposits, historic buildings, and historic districts. The project site is undeveloped and does not contain any built environment resources.

Although no archaeological deposits have been recorded at the project site, there is the potential for previously unknown pre-contact archaeological deposits to be unearthed during construction activities. Should project excavation unearth intact archaeological deposits, a substantial adverse change to a historical resource would occur due to the partial or complete destruction of the resource. This destruction would undermine the integrity of the resource, such that it would no longer be eligible for listing in the California Register. As such, project ground-disturbing activities could have a substantial adverse change on buried archaeological deposits that qualify as historical resources, as defined in *State CEQA Guidelines* Section 15064.5, and could materially impair pre-contact archaeological deposits. Implementation of the following mitigation measure would reduce potential impacts to historic archaeological resources to a less than significant level.

Mitigation Measure CUL-1a: **Archaeological Monitoring.** The project applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology to monitor project ground disturbance below fill deposits. The monitoring archaeologist can adjust monitoring frequency based on in-field observations of the potential for encountering archaeological deposits. Archaeological monitoring shall continue until the archaeologist determines that there is a low potential for impacts to intact subsurface archaeological deposits or other deposits of tribal concern.

Mitigation Measure CUL-1b: **Archaeological Resources.** Cultural resources materials may include pre-contact resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock, as well as historic resources such as glass, metal, wood, brick, or structural remnants.

The applicant shall inform its contractor(s) of the sensitivity of the project site for archaeological deposits, and include the following directive on the project grading plans:

> *"The subsurface of the construction site is sensitive for archaeological deposits. If archaeological deposits are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and the designated on-site shall assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any archaeological materials. Archaeological deposits can include, but are not limited to, shellfish remains; bones, including human remains; flakes of, and tools made from, obsidian, chert, and basalt; mortars and pestles; historical trash deposits containing glass, ceramics, and metal artifacts; and structural remains, including foundations and wells."*

The City of Hayward shall verify that the language has been included in the grading plans prior to issuance of a grading permit or other permitted project action that includes ground-disturbing activities on the project site.

If the deposits are uncovered on the site and found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the applicant shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recordation of the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods and findings shall be prepared, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate curation facility and used for public interpretive displays, as appropriate, and in coordination with a local Native American tribal representative.

Compliance with Mitigation Measures CUL-1a and CUL-1b would ensure that an archaeological monitor is present on site during all ground disturbing activities, that construction contractors are notified of the sensitivity of the project site for cultural resources, and ensure that archaeological resources are properly handled in the event of an accidental discovery. Therefore, with implementation of this measure, impacts would be less than significant.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? ***(Less Than Significant with Mitigation Incorporated)***

In accordance with S*tate CEQA Guidelines* Section 15064.5(c)), if the project would affect an archaeological deposit, the lead agency must first determine whether the deposit is a "historical resource" (see *State CEQA Guidelines* Section 15064.5(a)). If the deposit is not a historical resource, the lead agency must determine if the deposit is a "unique archaeological resource."

Based on the significance criteria identified above, the proposed project would have a significant impact on the environment if ground-disturbing activities would cause a substantial adverse change in the significance of a historical or archaeological resource. A substantial adverse change in the significance of an archaeological resource would occur from its demolition, destruction, relocation, or alteration such that the significance of the resource would be materially impaired (*State CEQA Guidelines* Section 15064.5(b)(1)). For the proposed project, the significance of an archaeological resource would be materially impaired if ground disturbance would alter in an adverse manner those physical characteristics of the resource that convey its historical significance and that justify its eligibility for inclusion in the California Register. The proposed project could affect previously unidentified archaeological deposits, thereby causing a substantial adverse change in the significance of an archaeological resource as defined in *State CEQA Guidelines* Section 15064.5. However, potential impacts would be reduced to a less than significant level with implementation of Mitigation Measures CUL-1a and CUL-1b.

c. Would the project disturb any humans remains, including those interred outside of formal cemeteries? ***(Less Than Significant Impact)***

There are no known human remains buried at the project site. In the event that human remains are identified during project construction, these remains would be treated in accordance with Section 7050.5 of the California Health and Safety Code and Section 5097.98 of the Public Resources Code (PRC), as appropriate.

Section 7050.5 of the California Health and Safety Code states that, in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined whether or not the remains are subject to the coroner's authority. If the human remains are of Native American origin, the coroner must notify the California Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC would identify a Native American Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

PRC Section 5097.98 states that the NAHC, upon notification of the discovery of Native American human remains pursuant to Health and Safety Code Section 7050.5, shall immediately notify those persons (i.e., the MLD) it believes to be descended from the deceased. With permission of the landowner or a designated representative, the MLD may inspect the remains and any associated cultural materials and make recommendations for treatment or disposition of the remains and associated grave goods. The MLD shall provide recommendations or preferences for treatment of the remains and associated cultural materials within 48 hours of being granted access to the site. With these regulations in place and implementation of the archaeological monitoring identified in Mitigation Measure CUL-1a, impacts on human remains would be less than significant.

4.6 ENERGY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

*a. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation? **(Less Than Significant Impact)***

The proposed project would increase demand for energy use during construction and operation, as further discussed below.

Construction-Period Energy Use. The anticipated construction schedule assumes that the proposed project would be built over an 18-month period. The proposed project would require grading, site preparation, and building activities during construction.

Construction of the proposed project would require energy for the manufacture and transportation of building materials, preparation of the site for grading activities, and building construction. Petroleum fuels (e.g., diesel and gasoline) would be the primary sources of energy for these activities. In order to increase energy efficiency on the site during project construction, idling times would be restricted to 5 minutes or less and construction workers would be required to shut off idle equipment, as required by Mitigation Measure AIR-1. Energy usage on the project site during construction would be temporary in nature and relatively small in comparison to the State's available energy sources.

Operational Energy Use. Typically, operational energy consumption is associated with fuel used for vehicle trips and electricity use. The expected energy consumption during operation of the proposed project would be consistent with typical usage rates for residential uses; however, energy consumption is largely a function of personal choice and the physical structure and layout of buildings. The proposed project would be required to comply with applicable Title 24 standards that would help to reduce energy consumption. In addition, the proposed project would not result in an increase in VMT, as further discussed in Section 4.17, Transportation. Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy or energy efficiency measures into building design, equipment use, and transportation. Therefore, this impact would be less than significant.

b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? ***(Less Than Significant Impact)***

In 2002, the Legislature passed Senate Bill (SB) 1389, which required the California Energy Commission (CEC) to develop an integrated energy policy report for electricity, natural gas, and transportation fuels every 2 years. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the lowest cost to the environment and energy sources. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles and associated infrastructure needs, and encouraging urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The most recently adopted CEC energy report is the 2022 Integrated Energy Policy Report Update. The 2022 Integrated Energy Policy Report Update provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs. The 2022 Integrated Energy Policy Report Update covers a broad range of topics, including implementation of SB 350 (which requires the CEC to examine barriers that low-income and disadvantaged communities face when considering adopting clean energy measures), integrated resource planning, distributed energy resources, transportation electrification, solutions to increase resiliency in the electricity sector, energy efficiency barriers faced by disadvantaged communities, demand response, transmission and landscape-scale planning, the California Energy Demand Preliminary Forecast, the preliminary transportation energy demand forecast, renewable gas (in response to SB 1383), updates on Southern California electricity reliability, natural gas outlook, and climate adaptation and resiliency.

As indicated above, energy usage on the project site during construction would be temporary in nature. Once operational, energy usage associated with the proposed project would be relatively small in comparison to the State's available energy sources. In addition, the proposed project would be designed to the latest CALGreen Code standards, as well as various other sustainable features. The project would also comply with the City of Hayward's REACH code, which requires new residential development to be all electric. Therefore, because the project's total impact to regional energy supplies would be minor, the proposed project would not conflict with California's energy conservation plans as described in the CEC's 2022 Integrated Energy Policy Report Update. In addition, as discussed in Section 4.8, Greenhouse Gas Emissions, the proposed project would be consistent with the City's Climate Action Plan. Thus, as shown above, the project would avoid or reduce the inefficient, wasteful, and unnecessary consumption of energy, and the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. This impact would be less than significant.

4.7 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii. Strong seismic ground shaking?	☐	☐	☐	☒
iii. Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐
iv. Landslides?	☐	☐	☒	☐
b. Result in substantial soil erosion or the loss of topsoil?	☐	☒	☐	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☒	☐	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☒	☐	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

The information presented in this section is based on data and findings provided in the March 2019 Geotechnical Investigation (Appendix C)[17] prepared for the project site by GeoForensics, Inc., and geologic reports and maps by the United States Geological Survey (USGS), California Geological Survey (CGS), and others, as available.

The California Supreme Court concluded in its *CBIA vs. BAAQMD* decision that "CEQA generally does not require an analysis of how existing environmental conditions will affect a project's future users or residents." With this ruling, CEQA no longer considers the impact of the environment on a project (e.g., the impact of existing seismic hazards on new project occupants) to be an environmental impact, unless the project could exacerbate an existing environmental hazard. The proposed project would not change existing seismic hazards and, therefore, would not exacerbate existing hazards related to surface fault rupture and seismic ground shaking. As such, the following discussions of seismic hazards related to surface fault rupture and seismic ground shaking are provided for informational purposes only.

[17] GeoForensics, Inc., 2019. *Geotechnical Investigation for Proposed New Apartment Complex at the Rockaway Lane Property*. March.

a. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. ***(No Impact)***

Fault rupture is generally expected to occur along active fault traces that have exhibited signs of recent geological movement (i.e., within the last 11,000 years). Alquist-Priolo Earthquake Fault Zones delineate areas around active faults with potential surface fault rupture hazards that would require specific geological investigations prior to approval of certain kinds of development within the delineated area. The Hayward Fault, which trends northwestward through Hayward, is located approximately 0.4 mile southwest of the project site. There are no mapped faults within or adjacent to the project site, and the project site is not located within an Alquist-Priolo Earthquake Fault Zone.[18] Therefore, the proposed project would not directly or indirectly cause substantial adverse effects related to fault rupture, and there would be no impact.

ii. Strong seismic ground shaking? ***(No Impact)***

The project site is located in the San Francisco Bay Area, a region of intense seismic activity. Ground shaking is likely to occur within the life of the project as a result of future earthquakes. As noted above, the Hayward Fault is approximately 0.4 mile southwest of the project site. Other active faults within the area that are likely to produce large earthquakes include the Calaveras Fault, which is located approximately 8 miles northeast, and the San Andreas Fault, which is located approximately 19 miles southwest.[19] Due to the location of the project site in a seismically active area, strong seismic ground shaking at the project site is highly probable during the life of the project. The intensity of ground shaking would depend on the characteristics of the fault, distance from the fault, the earthquake magnitude and duration, and site-specific geologic conditions.

The City' s Municipal Code requires projects to comply with the 2022 California Building Code (CBC) (Title 24, California Code of Regulations [CCR]), which provides for stringent construction requirements on projects in areas of high seismic risk based on numerous inter-related factors. It is acknowledged that seismic hazards cannot be completely eliminated, even with implementation of advanced building practices. However, the seismic design standards of the CBC are intended to prevent catastrophic structural failure in the most severe earthquakes currently anticipated. Therefore, compliance with the applicable CBC, which is required by both the City and the State, would ensure that the potential impacts associated with ground shaking

18 California Department of Conservation (DOC). 2019b. Earthquake Zones of Required Investigation (map). Website: maps.conservation.ca.gov/cgs/EQZApp/app/ (accessed June 2023).

19 Ibid.

would be reduced to the extent feasible and that there would be no impact related to seismic ground shaking.

iii. Seismic-related ground failure, including liquefaction? ***(Less Than Significant with Mitigation Incorporated)***

Liquefaction. Soil liquefaction is a phenomenon primarily associated with saturated soil layers located close to the ground surface. During ground shaking, these soils lose strength and acquire "mobility" sufficient to permit both horizontal and vertical movements. Soils that are most susceptible to liquefaction are clean, loose, uniformly graded, saturated, fine-grained sands that lie relatively close to the ground surface. However, loose sands that contain a significant amount of fines (i.e., silt and clay) may also liquefy.

The Geotechnical Investigation determined that the project site is in an area potentially subject to liquefaction and includes recommendations and mitigation to minimize potential impacts, including an interlocking grade beam foundation system. Implementation of Mitigation Measure GEO-1, which requires the project applicant to incorporate all of the recommendations of the Geotechnical Investigation and any recommendations included in a design-level geotechnical investigation into the project development plans, would reduce the potential impacts related to liquefaction to a less than significant level with mitigation.

Ground Subsidence. Ground subsidence may occur when poorly consolidated soils densify as a result of ground shaking associated with an earthquake. The Geotechnical Investigation determined that the project site is underlain at shallow depths by resistant materials, and the hazard due to ground subsidence is considered to be low. Therefore, impacts related to subsidence would be less than significant.

Lateral Spreading. Lateral spreading can occur when a weak layer of material, such as a sensitive or liquefiable soil, loses its shear strength as a result of earthquake shaking. Overlying blocks of competent material may be translated laterally towards a free face. The Geotechnical Investigation determined that the adjacent creek channel is a free face into which site soils may attempt to move should the underlying sandy soils liquefy. Analysis completed as part of the Geotechnical Investigation indicates that between 45 and 55 inches of lateral movement (roughly 4 feet) may occur during such an event, which is considered to be excessive. Therefore, the Geotechnical Investigation includes recommendations and mitigation to minimize potential impacts, including a retaining wall using grout injection techniques. Implementation of Mitigation Measure GEO-1, which requires the project applicant to incorporate all of the recommendations of the Geotechnical Investigation and any recommendations included in a design-level geotechnical investigation into the project development plans, would reduce the potential impacts related to lateral spreading to a less than significant level.

Mitigation Measure GEO-1: **Geotechnical Investigation.** A licensed Geotechnical Engineer or their representative shall be retained to perform a design-level geotechnical investigation once site development plans are final. The design-level geotechnical investigation shall include further evaluation of potential geologic hazards related to liquefaction,

lateral spreading, and expansive soils. The design-level investigation findings shall be used to address all the geotechnical concerns described in the Geotechnical Investigation and to develop detailed recommendations for design and construction. The recommendations of the Geotechnical Investigation and any recommendations included in the required design-level geotechnical investigation for the project shall be incorporated into all design and engineering plans. At the end of construction, the Geotechnical Engineer shall provide a letter regarding contractor compliance with project plans and specifications and with the recommendations of the Geotechnical Investigation and any supplemental recommendations issued during construction. The letter shall be submitted for review to the City of Hayward Building Division.

iv. Landslides? ***(Less Than Significant Impact)***

A landslide generally occurs on relatively steep slopes and/or on slopes underlain by weak materials. The Geotechnical Investigation completed for the proposed project indicates that the project site and surrounding area is gently sloping, and the Seismic Hazards Zone Map indicates that the project site is not in an area potentially subject to seismically induced landsliding. Therefore, the hazard due to seismically induced landsliding is considered very low, and impacts would be less than significant.

b. Would the project result in substantial soil erosion or the loss of topsoil? ***(Less Than Significant with Mitigation Incorporated)***

Topsoil is defined as the upper part of the soil profile that is relatively rich in humus and is technically known as the A-horizon of the soil profile.[20] Grading and earthmoving during project construction has the potential to result in erosion and loss of topsoil. Exposed soils could be entrained in stormwater runoff and transported off the project site. However, this impact would be reduced to a less than significant level through compliance with Mitigation Measure HYD-1, which requires the preparation of an Erosion and Sediment Control Plan (refer to Section 4.10, Hydrology and Water Quality). Although designed primarily to protect stormwater quality, the Erosion and Sediment Control Plan would incorporate BMPs to minimize impacts related to erosion to a less than significant level.

[20] California State Mining and Geology Board. 2014. Surface Mining Reclamation Act Regulations. California Code of Regulations, Title 14, Division 2, Chapter 8, Subchapter 1.

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? ***(Less Than Significant with Mitigation Incorporated)***

As discussed in Section 4.7.a, site soils would not be subject to landslides or subsidence but do have the potential for liquefaction or lateral spreading. However, implementation of Mitigation Measure GEO-1, which requires the project applicant to incorporate all of the recommendations of the Geotechnical Investigation and any recommendations included in a design-level geotechnical investigation into the project development plans, and compliance with the requirements of the CBC would ensure that potential risks to people and structures as a result of liquefaction or lateral spreading would be reduced to a less than significant level.

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property? ***(Less Than Significant with Mitigation Incorporated)***

Expansive soils are characterized by the potential for shrinking and swelling as the moisture content of the soil decreases and increases, respectively. Shrink-swell potential is influenced by the amount and type of clay minerals present and can be measured by the percent change of the soil volume. The Geotechnical Investigation indicates that the project site is underlain by moderately expansive near-surface soils. Therefore, the Geotechnical Investigation includes recommendations and mitigation to minimize potential impacts, including utilizing a foundation system that derives its support from deeper, more stable soils or using a stiff foundation that accepts some tilt of the structure. Implementation of Mitigation Measure GEO-1, which requires the project applicant to incorporate all of the recommendations of the Geotechnical Investigation and any recommendations included in a design-level geotechnical investigation into the project development plans, would reduce the potential impacts related to lateral spreading to a less than significant level.

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? ***(No Impact)***

Development of the proposed project would not involve the use of septic tanks or alternative wastewater disposal systems. Therefore, the proposed project would have no impact related to septic tanks or alternative wastewater disposal systems.

f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? ***(Less Than Significant with Mitigation Incorporated)***

There are no known paleontological resources or unique geologic features within or near the project site. However, according to a search of the University of California Museum of Paleontology (UCMP) at the University of California, Berkeley, there are 543 known localities that have produced 9,283

specimens within Alameda County.[21] Therefore, the possibility of accidental discovery of paleontological resources during project construction cannot be discounted. Therefore, implementation of Mitigation Measure GEO-2, described below, would reduce potential impacts to paleontological resources to a less than significant level.

Mitigation Measure GEO-2: **Paleontological Resources.** Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this mitigation, a "qualified paleontologist" shall be an individual with the following qualifications: (1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; (2) at least 2 years of professional experience related to paleontology; (3) proficiency in recognizing fossils in the field and determining their significance; (4) expertise in local geology, stratigraphy, and biostratigraphy; and (5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and project activities cannot avoid them, measures shall be implemented to ensure that the project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the City of Hayward for review. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials. Public educational outreach may also be appropriate.

The project applicant shall inform its contractor(s) of the sensitivity of the project site for paleontological resources and shall verify that the following directive has been included in the project grading plans:

> *"The subsurface of the construction site may be sensitive for fossils. If fossils are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified*

[21] University of California Museum of Paleontology. n.d. Databases. Website: https://ucmp.berkeley.edu/collections/databases/ (accessed June 2023).

paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any paleontological materials. Fossils can include plants and animals, and such trace fossil evidence of past life as tracks or plant imprints. Ancient marine sediments may contain invertebrate fossils such as snails, clam and oyster shells, sponges, and protozoa; and vertebrate fossils such as fish, whale, and sea lion bones. Contractor acknowledges and understands that excavation or removal of paleontological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."

4.8 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☒	☐	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Greenhouse gases (GHGs) are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO_2);
- Methane (CH_4);
- Nitrous oxide (N_2O);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Sulfur hexafluoride (SF_6).

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs such as CO_2, CH_4, and N_2O, some gases (like HFCs, PFCs, and SF_6) are completely new to the atmosphere.

Certain gases (e.g., water vapor) are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by 1 unit mass of the GHG to the ratio of heat trapped by 1 unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? ***(Less Than Significant with Mitigation Incorporated)***

In April 2022, the BAAQMD adopted the *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Projects and Plans*[22] (Justification Report), which identifies applicable GHG significance thresholds. The BAAQMD recommends these thresholds of significance for use in determining whether a proposed project will have a significant impact related to climate change. These thresholds evaluate a project based on its effect on California's efforts to meet the State's long-term climate goals. Applying this approach, the BAAQMD identifies and provides supporting documentation, outlining the requirements that new land use development projects must implement in order to achieve California's long-term climate goal of carbon neutrality by 2045. Based on this analysis, the BAAQMD found that new land use development projects need to incorporate design elements to contribute the "fair share" toward implementation of the goal of carbon neutrality by 2045. If a project is designed and built to incorporate the identified design elements, then it will contribute its portion of what is necessary to achieve California's long-term climate goals—its "fair share"—and an agency reviewing the project under CEQA can conclude that the project will not make a cumulatively considerable contribution to global climate change. The document concludes that if a project does not incorporate these design elements, then it should be found to make a significant climate impact because it will hinder California's efforts to address climate change.

According to the BAAQMD Justification Report, a project would have a less than significant impact related to GHG emissions if it would:

1. Include, at a minimum, the following project design elements:
    a. Buildings
        1) The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
        2) The project will not result in any wasteful, inefficient, or unnecessary electrical usage as determined by the analysis required under Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*.
    b. Transportation
        1) Achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:

[22] Bay Area Air Quality Management District (BAAQMD). 2022. *Justification Report: CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April.

a) **Residential Projects:** 15 percent below the existing VMT per capita
b) **Office Projects:** 15 percent below the existing VMT per employee
c) **Retail Projects:** No net increase in existing VMT

2) Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of Tier 2 of the CALGreen Code.

2. Or be consistent with a local GHG reduction strategy that meets the criteria under *State CEQA Guidelines* Section 15183.5(b).

Hayward's Climate Action Plan (CAP) was adopted by the City Council on July 28, 2009 and later incorporated into the City's General Plan in 2014. The purpose of the CAP is to make Hayward a more environmentally and socially sustainable community by reducing GHG emissions. However, the City's CAP does not meet the requirements for a local GHG reduction strategy that meets the criteria under *State CEQA Guidelines* Section 15183.5(b). Therefore, this section evaluates the proposed project's consistency with the BAAQMD's project design elements.

Natural Gas Usage. According to the BAAQMD, a less than significant GHG impact would occur if the project does not include natural gas appliances or natural gas plumbing. The proposed project would not increase the demand for natural gas because the proposed project would be designed to be all electric and would not include the use of any natural gas systems. Since the proposed project would not include new natural gas connections, the proposed project would be consistent with this design element.

Energy Usage. The project must not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*. Energy use consumed by the proposed project would be associated with electricity consumption and fuel used for vehicle trips associated with the project.

As discussed in Section 4.6, Energy, energy usage on the project site during construction would be temporary in nature. Once operational, energy usage associated with the proposed project would be relatively small in comparison to the State's available energy sources. In addition, the proposed project would be designed to the latest CALGreen Code standards, as well as various other sustainable features. In addition, as further discussed in Section 4.3, Air Quality, given the location of the project, the proposed project would facilitate the use of alternative modes of transportation. As such, based on this analysis, as required under Section 21100(b)(3) and Section 15126.2(b) of the *State CEQA Guidelines*, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy and energy efficiency measures into the building design, equipment use, and transportation. As such, the proposed project would be consistent with this design element.

Vehicle Miles Traveled. To meet the BAAQMD's VMT threshold, the project must achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's 2018 *Technical Advisory on Evaluating Transportation Impacts in CEQA*. As discussed in Section 4.17,

Transportation, the proposed project would result in a less than significant VMT impact. As such, the proposed project would be consistent with this design element.

Electric Vehicle (EV) Requirements. This criterion requires that the project achieve compliance with off-street EV requirements in the most recently adopted version of CALGreen Code Tier 2 measures. The current CALGreen Code Tier 2 requires that a minimum of 10 percent of the parking spaces provide EV charging. The City of Hayward's Parking Code requires a minimum of 20 percent of all parking spaces to include at least one Level 2 Ready and Electric Vehicle Charging Stations. As discussed in Chapter 2.0, Project Description, the proposed project would include 32 parking spaces, 1 of which would be an EV space. Therefore, implementation of Mitigation Measure GHG-1 would be required to ensure that the proposed project would provide EV charging consistent with CALGreen Code Tier 2 and the City's Parking Code. With implementation of Mitigation Measure GHG-1, the proposed project would be consistent with this design element.

Mitigation Measure GHG-1: Prior to issuance of any building permits, the proposed project shall provide six parking spaces with electric vehicle charging capabilities consistent with the off-street electric vehicle requirements in the most recently adopted version of the California Green Building Standards Code (CALGreen Code) Tier 2 measures and the City of Hayward's Parking Code.

With implementation of Mitigation Measure GHG-1, the proposed project would be consistent with the BAAQMD's project design elements related to natural gas, energy, VMT, and EV requirements. Therefore, the proposed project would be consistent with the BAAQMD's GHG emission thresholds. As such, the proposed project would not generate significant GHG emissions that would have a significant effect on the environment, and this impact would be less than significant.

b. Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? ***(Less Than Significant Impact)***

As noted above, the Hayward CAP is incorporated into the City's General Plan. The CAP is intended to carry out and implement the State's goals and policies under Assembly Bill (AB) 32, SB 375, and SB 32. The Hayward 2040 General Plan integrates and updates the comprehensive, communitywide GHG emission reduction strategy contained in the City's 2009 CAP to achieve a GHG emission reduction target of 20 percent below 2005 levels by the year 2020. The General Plan also recommends longer-term goals for GHG reductions of 62.7 percent below 2005 levels by the year 2040 and 82.5 percent below 2005 levels by the year 2050.

The General Plan contains policies and implementation programs that serve as actions to reduce GHG emissions. Many of these policies and implementation programs would not be applicable to the proposed project as they work to reduce automobile use and traffic congestion. The proposed project's consistency with applicable CAP policies is identified in Table 4.8.A.

Table 4.8.A: Consistency with the City of Hayward Climate Action Plan Policies

Climate Action Plan Policies	Project Consistency
LU-1.8 Green Building and Landscape Requirements: The City shall maintain and implement green building and landscaping requirements for private- and public-sector development to: • Reduce the use of energy, water, and natural resources. • Minimize the long-term maintenance and utility expenses of infrastructure, buildings, and properties. • Create healthy indoor environments to promote the health and productivity of residents, workers, and visitors. • Encourage the use of durable, sustainably-sourced, and/or recycled building materials. • Reduce landfill waste by promoting practices that reduce, reuse, and recycle solid waste.	***Consistent.*** The proposed project would comply with the latest CALGreen Code standards and the City of Hayward's REACH code. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance, which would reduce outdoor water use. The proposed project would also comply with State and local requirements for waste management, including construction and demolition debris waste reduction and recycling requirements and the CalRecycle Waste Diversion and Recycling Mandate. As such, the proposed project would be consistent with green building and landscaping requirements.
M-9.9 Alternative Fuel Vehicle Parking: The City shall require new private parking lots to grant low-carbon vehicles access to preferred parking spaces, and shall require new private parking lots to provide electric vehicle charging facilities. The City shall provide electric vehicle charging facilities in public parking lots.	***Consistent.*** As discussed above, implementation of Mitigation Measure GHG-1 would ensure that the proposed project would include EV charging spaces consistent with the CalGreen Code and City of Hayward requirements.
NR-2.6 Greenhouse Gas Reduction in New Development: The City shall reduce potential greenhouse gas emissions by discouraging new development that is primarily dependent on the private automobile; promoting infill development and/or new development that is compact, mixed use, pedestrian friendly, and transit oriented; promoting energy-efficient building design and site planning; and improving the regional jobs/housing balance ratio.	***Consistent.*** The proposed project would result in the development of the site with a residential building that would locate residents near existing commercial uses and is located in close proximity to alternative modes of transportation, including bus stops on B Street. In addition, the proposed project would be designed to the latest CALGreen Code and City of Hayward standards, as well as various other sustainable features.
NR-4.1 Energy Efficiency Measures: The City shall promote the efficient use of energy in the design, construction, maintenance, and operation of public and private facilities, infrastructure, and equipment.	***Consistent.*** The proposed project would be designed to the latest CALGreen Code, City of Hayward, and LEED standards, as well as various other sustainable features.
NR-4.3 Efficient Construction and Development Practices: The City shall encourage construction and building development practices that maximize the use of renewable resources and minimize the use of non-renewable resources throughout the life-cycle of a structure.	***Consistent.*** With implementation of Mitigation Measure AIR-1, the proposed project would incorporate the BAAQMD's Basic Construction Mitigation Measures. In order to increase energy efficiency on the site during project construction, equipment idling times would be restricted to 5 minutes or less and construction workers would be required to shut off idle equipment, as required by Mitigation Measure AIR-1.
NR-6.9 Water Conservation: The City shall require water customers to actively conserve water year-round, and especially during drought years.	***Consistent.*** The project would be required to comply with the latest CALGreen Code standards, which includes a variety of different measures, including reduction of wastewater and water use. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance, which would reduce outdoor water use.

Table 4.8.A: Consistency with the City of Hayward Climate Action Plan Policies

Climate Action Plan Policies	Project Consistency
PFS-7.4 Solid Waste Diversion: The City shall comply with State goals regarding diversion from landfill, and strive to comply with the provisions approved by the Alameda County Waste Management Authority.	***Consistent.*** The proposed project would comply with State and local requirements for waste management, including construction and demolition debris waste reduction and recycling requirements and the CalRecycle Waste Diversion and Recycling Mandate. As such, the proposed project would be consistent with green building and landscaping requirements.
PFS-7.12 Construction and Demolition Waste Recycling: The City shall require demolition, remodeling and major new development projects to salvage or recycle asphalt and concrete and all other non-hazardous construction and demolition materials to the maximum extent practicable.	***Consistent.*** The proposed project would comply with Chapter 5 Article 10 of the Municipal Code, Construction and Demolition Debris Waste Reduction and Recycling Requirements, which would divert demolition and construction debris from landfills, and process and return the materials into the economic mainstream, thereby conserving natural resources and stimulating markets for recycled and salvaged materials.
PFS-7.21 Mandatory Recycling: The City shall implement mandatory recycling for commercial and multifamily uses and work with StopWaste.org to increase participation in this program.	***Consistent.*** The proposed project would be consistent with the CalRecycle Waste Diversion and Recycling Mandate, which would reduce solid waste production during operation of the proposed project by 25 percent.

Source: City of Hayward (July 2014c).
BAAQMD = Bay Area Are Quality Management District
CALGreen Code = California Green Building Standards Code
CalRecycle = California Department of Resources Recycling and Recovery
EV = electric vehicle
LEED = Leadership in Energy and Environmental Design

As indicated in Table 4.8.A, the proposed project would implement measures included in the CAP that are applicable to the project. Overall, the proposed project would be in compliance with the CAP and therefore would be consistent with the GHG reduction strategy and would not generate emissions that would exceed the project-level significance criteria established by the BAAQMD. Therefore, the proposed project would not conflict with plans, policies, or regulations adopted for the purpose of reducing GHG emissions, and this impact would be less than significant.

4.9 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☒	☐	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

The following discussion is based on the findings from the Phase I Environmental Site Assessment (Phase I ESA) prepared for the proposed project (included in Appendix D).[23] The Phase I ESA did not identify any recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental condition (HRECs), or other environmental considerations (OECs) associated with the project site.

*a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? **(Less Than Significant with Mitigation Incorporated)***

The proposed project involves the construction of a 30-unit apartment building and associated improvements. Because the proposed project is for private residential use, it would generally not involve transport, use, or disposal of significant quantities of hazardous materials. Only small

[23] AEI Consultants. 2019. *Phase I Environmental Site Assessment, 22422 Rockaway Lane, Hayward, Alameda County, California 94541.* October 18.

quantities of chemicals would be used for routine maintenance that would not pose a significant threat to human or environmental health.

Construction of the proposed project would involve the use and transport of hazardous materials. These materials could include fuels, oils, paints, and other chemicals used during construction activities. Handling and transportation of hazardous materials could result in accidental releases or spills and associated health risks to workers, the public, and the environment. To prevent the accidental release of hazardous materials into San Lorenzo Creek, Mitigation Measures HAZ-1 and HAZ-2 would be required, which entail the preparation and implementation of an Emergency Response and Cleanup Plan and properly completing all construction equipment maintenance, refueling, and washing activities outside of riparian areas.

Transport and use of hazardous materials would be subject to all applicable State and federal laws, such as the Hazardous Materials Transportation Act, the Resource Conservation and Recovery Act, the California Hazardous Materials Management Act, California Health and Safety Code, and CCR Title 8 and Title 22. Compliance with existing regulations and implementation of Mitigation Measures HAZ-1 and HAZ-2 would ensure that the proposed project would not create a significant hazard to the public or the environment associated with the routine transport, use, or disposal of hazardous materials by ensuring these materials are properly handled during construction of the proposed project. Therefore, this impact would be less than significant.

Mitigation Measure HAZ-1: **Emergency Response and Cleanup Plan.** Prior to commencement of construction activities, the construction contractor shall prepare an Emergency Response and Cleanup Plan. The construction contractor shall implement the plan during construction. The plan shall detail the methods to be used to contain and clean up a spill of petroleum products or other hazardous materials in the work area.

Mitigation Measure HAZ-2: **Construction Equipment Maintenance, Refueling, and Washing Activities.** During construction, the construction contractor shall ensure that all equipment maintenance, refueling, and storage are conducted on level ground outside the San Lorenzo Creek channel, away from concentrated flows of stormwater and drainage courses. Drip pans or absorbent pads shall be used during equipment refueling and maintenance activities. Adequate quantities of absorbent spill clean-up material and spill kits shall be kept in the refueling and maintenance area and on fuel trucks. Spill clean-up and materials shall be disposed of immediately after use.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? ***(Less Than Significant with Mitigation Incorporated)***

The project site is vacant and undeveloped. Therefore, it is unlikely that the soil and groundwater are contaminated with significant toxic or hazardous materials that would be released during construction. The Phase I ESA did not identify any RECs, CRECs, HRECs, or OECs associated with the

project site. Additionally, the site history, adjoining and surrounding property histories, and environmental record reviews did not indicate the potential for the existence or migration of significant contaminants at the project site.

As described above, small quantities of common hazardous materials would be used at the project site during construction and operation of the proposed project. Improper use, storage, or handling could result in a release of hazardous materials into the environment which could pose a risk to construction workers and the public. However, the project applicant would be required to comply with existing government regulations in its use and disposal of these materials as described previously in Section 4.9.a and such materials would not be used in sufficient strength or quantity to create a substantial risk to human or environmental health. Additionally, the preparation of an Emergency Response and Cleanup Plan would be required, and the project contractor would be required to properly complete all construction equipment maintenance, refueling, and washing activities outside of riparian areas, as stipulated by Mitigation Measures HAZ-1 and HAZ-2. Therefore, the proposed project would have a less than significant impact related to the release of hazardous materials into the environment during both the construction and operational periods.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? ***(Less Than Significant with Mitigation Incorporated)***

Charquin Middle School is located approximately 0.25 mile southeast of the project site. However, as noted in Section 4.9.a, development of the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials and, as noted in Section 4.9.b, construction and operational activities would not create a hazard to the public and environment through reasonably foreseeable upset and accident conditions with the implementation of Mitigation Measures HAZ-1 and HAZ-2. Therefore, impacts would be less than significant.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? ***(No Impact)***

The project site is not included on any list of hazardous materials site compiled pursuant to Government Code Section 65962.5,[24] and no impact would occur.

e. Would the project be located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? ***(No Impact)***

The closest airports to the project site include the Hayward Executive Airport, which is located approximately 2.5 miles to the southwest, and the Oakland International Airport, which is located approximately 7.5 miles to the northwest. The project site is not located within the Airport Land Use

[24] California Environmental Protection Agency (CalEPA). 2020. Cortese List Data Resources. Website: calepa.ca.gov/sitecleanup/corteselist/ (accessed June 23, 2023).

Compatibility Plan for either airport.[25,26] Therefore, the proposed project would not result in a safety hazard to people working or residing in the area due to the proximity of an airport, and there would be no impact.

f. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? ***(Less Than Significant Impact)***

The Hayward Fire Department (HFD) coordinates the City's preparedness efforts to mitigate, plan for, respond to, and recover from natural and technological disasters. The proposed project would include dedication of approximately 8 feet along Rockaway Lane to allow widening of the roadway from 48 feet to 56 feet to improve access for fire apparatus. As a part of this dedication, the proposed project would include the demolition and reconstruction of the existing sidewalk, curb, and gutter along Rockaway Lane along the project site frontage. The proposed project would not reduce the number of traffic lanes on any adjacent streets and would not alter the existing street grid. therefore, it would not alter or obstruct emergency evacuation routes or a response plan. Therefore, the proposed project would not be expected to impair the function of nearby emergency evacuation routes or a response plan and would have less than significant impacts on implementation of an adopted emergency response plan or an emergency evacuation plan.

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? ***(No Impact)***

The project site is located in an urban area and is not within or adjacent to a wildland fire hazard area.[27] Therefore, the proposed project would not expose people or structures to a significant loss, injury, or death involving wildland fires, and there would be no impact.

[25] Alameda County Community Development Agency. 2012. *Hayward Executive Airport, Airport Land Use Compatibility Plan.* August.

[26] Alameda County Community Development Agency. 2010. *Oakland International Airport, Airport Land Use Compatibility Plan*. December.

[27] City of Hayward. 2014a. Op. cit.

4.10 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☒	☐	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☒	☐	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☒	☐	☐
i. Result in substantial erosion or siltation on- or off-site;	☐	☒	☐	☐
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☒	☐	☐
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☒	☐	☐
iv. Impede or redirect flood flows?	☐	☒	☐	☐
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☒	☐	☐

*a. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? **(Less Than Significant with Mitigation Incorporated)***

The State Water Resources Control Board (SWRCB) and nine Regional Water Quality Control Boards (RWQCBs) regulate the quality of surface water and groundwater bodies throughout California. In the Bay Area, including the project site, the San Francisco Bay RWQCB is responsible for implementation of the Water Quality Control Plan (Basin Plan). The Basin Plan establishes beneficial water uses and water quality objectives for waterways and water bodies within the region. Section 303(d) of the CWA requires that states identify water bodies (including bays, rivers, streams, creeks, and coastal areas) that do not meet water quality standards as well as the pollutants that are causing the impairment. Total Maximum Daily Loads (TMDLs) describe the maximum amount of a pollutant that a water body can receive while still meeting established water quality standards. A TMDL establishes limits for pollutant discharges into impaired water bodies. As previously discussed in Chapter 2.0, Project Description, the eastern half of the site includes a portion of the bank of the San Lorenzo Creek, which is the receiving waterbody for the project site. San Lorenzo Creek flows west and drains into the Lower San Francisco Bay. According to the SWRCB Surface Water Quality Assessment 2020-2022 Integrated Report for Clean Water Act Sections 303(d) and 305(b), San

Lorenzo Creek is listed as impaired for diazinon. The Lower San Francisco Bay is listed as an impaired water body for the following pollutants: dichlorodiphenyltrichloroethane (DDT), dioxin compounds, furan compounds, polychlorinated biphenyls (PCBs), dieldrin, trash, PCBs (dioxin-like), mercury, invasive species, and chlordane.[28]

Runoff water quality is regulated by the National Pollutant Discharge Elimination System (NPDES) Program (established through the federal CWA). The NPDES program objective is to control and reduce pollutant discharges to surface water bodies. Compliance with NPDES permits is mandated by State and federal statutes and regulations. Locally, the NPDES Program is administered by the San Francisco Bay RWQCB. The proposed project would be subject to the California Regional Water Quality Control Board San Francisco Bay Region's Municipal Regional Stormwater NPDES Permit (MRP), which went into effect on July 1, 2022 by Order R2-2022-0018, NPDES Permit No. CAS612008. The MRP covers stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo, and Santa Clara Counties, and the cities of Fairfield, Suisun City, Vallejo, and the Vallejo Flood & Wastewater District, which have joined together to form the Solano Stormwater Alliance (Solano Permittees). Provision C.3 of the MRP requires new development and redevelopment projects that would replace more than 5,000 square feet of existing impervious surfaces to include post-construction stormwater control in project designs. Under the Provision C.3 requirements, the preparation and submittal of a Stormwater Control Plan (SCP) would be required. The purpose of an SCP is to detail the design elements and implementation measures necessary to meet the post-construction stormwater control requirements of the MRP. In particular, SCPs must include Low Impact Development (LID) design measures, which reduce water quality impacts by preserving and recreating natural landscape features, minimizing imperviousness, and using stormwater as a resource, rather than a waste product. Additionally, the preparation of a Stormwater Facility Operation and Maintenance Plan is required to ensure that stormwater control measures are inspected, maintained, and funded for the life of the project.

Construction. The proposed project involves the construction of a 30-unit apartment building and associated improvements. Construction activities would result in a total disturbed area of 0.677 acres. Pollutants of concern during construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. Each of these pollutants on its own or in combination with other pollutants can have a detrimental effect on water quality. During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. In addition, chemicals, liquid products, petroleum products (e.g., paints, solvents, and fuels), and concrete-related waste may be spilled or leaked, and they have the potential to be transported via stormwater runoff into receiving waters.

The construction contractor would prepare and implement an Emergency Response and Cleanup Plan in the event a spill were to occur during construction, as specified in Mitigation Measure HAZ-1. Additionally, as required by Mitigation Measure HAZ-2, in order to prevent hazardous runoff in the

[28] State Water Resources Control Board (SWRCB). 2023. *2020-2022 California Integrated Report (Clean Water Act Section 303(d) List and 305(b) Report)*. Website: https://www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/2020_2022_integrated_report.html (accessed June 2023).

event of a fuel or oil spill, all equipment maintenance and refueling would be conducted within designated areas outside of the San Lorenzo Creek channel, and the construction contractor would be required to adhere to procedures for construction equipment maintenance, refueling, and washing activities. Furthermore, the proposed project would be subject to Mitigation Measure HYD-1, which requires the preparation and implementation of an Erosion and Sediment Control Plan which would include methods for the control of runoff, erosion, and sediment movement during project construction.

Mitigation Measure HYD-1: **Erosion and Sediment Control Plan.** An Erosion and Sediment Control Plan shall be prepared and implemented by the project contractor in compliance with the provisions in Article 8 of the Hayward Municipal Code, the City of Hayward's Site Design Standards and Guidance, and the Manual of Standards for Erosion and Sediment Control Measures, prepared by the Association of Bay Area Governments. The Erosion and Sediment Control Plan shall indicate the proposed methods for the control of runoff, erosion, and sediment movement during project construction.

Implementation of Mitigation Measure HYD-1 would reduce the potential for any construction activities to result in erosion or sedimentation that could impact San Lorenzo Creek by requiring the implementation of stormwater runoff controls that would ensure that stormwater runoff would be adequately controlled on the project site.

Exploratory borings conducted on the project site during preparation of the Geotechnical Investigation[29] for the proposed project measured groundwater at a depth of approximately 27 feet below ground surface (bgs). The maximum depth of excavation for building pads would be approximately 12 feet from the existing grade, and the maximum depth of utility trenching would be approximately 8 feet. Fluctuations in groundwater levels can occur due to many factors, including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors. Therefore, dewatering and shoring of groundwater may be required during construction activities involving excavation. Release of dewatered groundwater to surface waters can introduce total dissolved solids and other constituents to surface waters and could cause degradation of the receiving water quality. In the event that groundwater is encountered during construction and groundwater dewatering is necessary, any groundwater dewatering during excavation would be conducted in accordance with the requirements of the Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (Groundwater Discharge Permit) as detailed in Mitigation Measure HYD-2.

Mitigation Measure HYD-2: **Construction Dewatering.** Prior to commencement of groundwater dewatering activities, the proposed project shall obtain coverage under the SWRCB Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (Water Quality Order No. 2003-0003-DWQ). This shall

[29] GeoForensics, Inc. 2019. *Geotechnical Investigation for Proposed New Apartment Complex at the Rockaway Lane Property*. March.

include submission of a Notice of Intent (NOI) for coverage under the permit to the State Water Resources Control Board (SWRCB). Construction activities shall not commence until a letter is obtained from the SWRCB stating that the proposed project has obtained coverage under the permit. Construction dewatering activities shall comply with all applicable provisions in the permit, including water sampling, analysis, and reporting of dewatering-related discharges. Upon completion of construction, a Notice of Termination (NOT) shall be submitted to the SWRCB.

Implementation of Mitigation Measure HYD-2 would ensure that the proposed project would not result in water quality impacts related to dewatering because it would require adequate water sampling, analysis, and reporting consistent with the SWRCB's requirements. These requirements would ensure that any runoff from the project site would be adequately treated prior to entering surrounding waters, such as San Lorenzo Creek.

Operation. Operation of the proposed project could incrementally contribute to the long-term degradation of runoff water quality and, as a result, adversely affect water quality in the receiving waters and San Francisco Bay. Expected pollutants of concern from long-term operation of the proposed project include bacteria/virus, heavy metals, toxic organic compounds, nutrients, pesticides, sediment/turbidity, trash and debris, oils, and grease. The City of Hayward is under the purview of the MRP. Therefore, the proposed project would be subject to the requirements of Provision C.3 of the MRP because the project would replace more than 5,000 square feet of existing impervious surfaces. As detailed in Mitigation Measure HYD-3, the preparation and implementation of an SCP, including a Stormwater Facility Operation and Maintenance Plan, would be required. The proposed project would include landscaped bioretention areas, which would total approximately 876 square feet, and a self-treating landscaped area that would be used for stormwater infiltration, control, and treatment. Therefore, compliance with Mitigation Measure HYD-3 and the requirements of the MRP would ensure that operation impacts to water quality would be less than significant.

Mitigation Measure HYD-3: **Stormwater Control Plan.** Prior to the issuance of any permits for ground-disturbing activities, the project applicant shall submit a Stormwater Control Plan (SCP) to the Planning Director of the City of Hayward Planning Department for review and approval in compliance with Section C.3 of the San Francisco Bay Regional Water Quality Control Board's Municipal Regional Stormwater NPDES Permit (MRP) requirements. The SCP would act as the overall program document designed to provide measures to mitigate potential water quality impacts associated with the operation of the proposed project. The SCP shall be prepared in accordance with the requirements and guidelines set forth in the Alameda Clean Water Program C3 Technical Guidance Manual and the City of Hayward's Site Design Standards and Guidance. At a minimum, the SCP for the project shall include:

- An inventory and accounting of existing and proposed impervious areas.
- Low Impact Development (LID) design details incorporated into the project. Specific LID design may include, but is not limited to using pervious pavements and green roofs, dispersing runoff to landscaped areas, and/or routing runoff to rain gardens, cisterns, swales, and other small-scale facilities distributed throughout the site.
- Measures to address potential stormwater contaminants. These may include measures to cover or control potential sources of stormwater pollutants at the project site.
- A Draft Stormwater Facility Operation and Maintenance Plan for the project site, which will include periodic inspection and maintenance of the storm drainage system. Persons responsible for performing and funding the requirements of this plan shall be identified. This plan must be finalized prior to issuance of building permits for the project.

Implementation of Mitigation Measure HYD-3 would require the preparation of an SCP, which would ensure that the project site is adequately designed to capture, treat, and dispose of any stormwater runoff on the project site consistent with the Alameda Clean Water Program's requirements. Overall, with implementation of Mitigation Measures HAZ-1, HAZ-2, HYD-1, and HYD-2, the proposed project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. Impacts would be less than significant.

b. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? ***(Less Than Significant with Mitigation Incorporated)***

The project site is located within the Castro Valley Groundwater Basin, which encompasses approximately 3 square miles in Alameda County. The basin is bound on the east by San Lorenzo Creek and on the west by the Hayward fault. The basin extends from Lake Chabot in the north to the intersection of Jackson Street with U.S. Highway 238 in the south. The groundwater is unconfined and yields to wells are limited, usually sufficient only for lawn and garden irrigation. Natural recharge to the basin occurs principally as seepage from streams that drain the upland areas and by direct percolation of precipitation that falls on the basin floor.[30]

[30] California Department of Water Resources (DWR). 2004. California's Groundwater Bulletin 118 – Castro Valley Groundwater Basin. February 27. Website: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/2_008_Castro Valley.pdf (accessed June 2023).

Construction. As discussed in Section 4.10.a, above, groundwater depth at the project site is approximately 27 feet bgs. The maximum depth of excavation for building pads would be approximately 12 feet from the existing grade, and the maximum depth of utility trenching would be approximately 8 feet. However, fluctuations in groundwater levels can occur due to many factors (including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors), and dewatering may be required during construction. Any dewatering would be temporary and affect only the uppermost water-bearing zone. Such dewatering would be localized and would not result in the lowering of surrounding groundwater levels or substantially contribute to depletion of groundwater supplies.

Operation. Operation of the proposed project would not involve dewatering or the use of groundwater as potable water. Potable water would be supplied to the project site by the City, which purchases all water from the San Francisco Public Utilities Commission (SFPUC). The water supplied to Hayward from the SFPUC is predominantly from the Sierra Nevada mountain range, delivered through the Hetch-Hetchy aqueducts, but also includes treated water produced by the SFPUC from its local watershed and facilities in Alameda County.[31] Currently, the site is vacant and consists of entirely pervious bare earth. Development of the proposed project would result in an increase in impervious surfaces on the project site to approximately 17,280 square feet. However, in compliance with Mitigation Measure HYD-3 and the MRP, the proposed project would include landscaped bioretention areas that would total approximately 876 square feet, and a self-treating landscaped area that would be used for stormwater infiltration, control, and treatment. The proposed stormwater management bioretention areas would allow much of the stormwater runoff from the project site to infiltrate into the ground surface. Therefore, due to the incorporation of bioretention space and the implementation of LID techniques as required by the MRP, the proposed project would not result in a significant decrease in groundwater recharge that would result in a net deficit in aquifer volume or a lowering of the local groundwater table level.

For the reasons listed above, impacts related to the decrease of groundwater supplies or interference with groundwater recharge would be less than significant.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i. Result in substantial erosion or siltation on- or off-site; ***(Less Than Significant with Mitigation Incorporated)***

During construction activities, approximately 0.677 acre of soil would be disturbed. Soil would be exposed and drainage patterns would be temporarily altered during grading and other construction activities, and there would be an increased potential for soil erosion and siltation compared to existing conditions. Additionally, during a storm event, soil erosion and siltation could occur at an accelerated rate. However, as required by Mitigation Measure HYD-1, an Erosion and Sediment Control Plan would be required that would include methods for the control of runoff, erosion, and sediment movement during project construction. With

[31] City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.

implementation of Mitigation Measure HYD-1, construction impacts related to on- or off-site erosion or siltation would be less than significant.

After the completion of project construction, operation of the proposed project would result in an increase in impervious surfaces on the project site to approximately 17,280 square feet, resulting in a net increase in stormwater runoff that can lead to downstream erosion in receiving waters. However, as discussed above, the proposed project would include landscaped bioretention areas that would total approximately 876 square feet, and a self-treating landscaped area in compliance with Mitigation Measure HYD-3 and the MRP, which would be used for stormwater infiltration, control, and treatment. Due to the incorporation of bioretention space and the implementation of LID techniques as required by the MRP, operational impacts related to on- or off-site erosion or siltation would be less than significant.

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; ***(Less Than Significant with Mitigation Incorporated)***

Development of the proposed project would result in an increase in impervious surfaces on the project site to approximately 17,280 square feet, which could have the potential to increase the volume and rate of stormwater runoff discharged from the project site. However, as discussed above, the proposed project would include landscaped bioretention areas, which would total approximately 876 square feet, and a self-treating landscaped area in compliance with Mitigation Measure HYD-3 and the MRP, which would be used for stormwater infiltration, control, and treatment. The proposed drainage facilities and BMPs needed to accommodate stormwater runoff would be appropriately sized such that on-site flooding would not occur. Therefore, due to the implementation of LID techniques as required by the MRP, the proposed project would not substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site. Impacts would be less than significant.

iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; ***(Less Than Significant with Mitigation Incorporated)***

Stormwater Drainage System Capacity. There is no existing stormwater drainage infrastructure on the project site. Under existing conditions, stormwater on the project site flows into the adjacent San Lorenzo Creek or into existing storm drains along A Street. The proposed project would include the installation of stormwater drains and catch basins throughout the site, which would connect to on-site biotreatment areas as well as existing inlets along A Street. The proposed project would include landscaped bioretention areas that would total approximately 876 square feet, and a self-treating landscaped area in compliance with Mitigation Measure HYD-3 and the MRP, which would be used for stormwater infiltration, control, and treatment. The proposed drainage facilities and BMPs needed to accommodate stormwater runoff would be appropriately sized such that the drainage facility capacity would not be exceeded during a design storm. Therefore, the proposed project would not result in an exceedance of planned or existing stormwater drainage systems, and impacts would be less than significant.

Polluted Runoff. As discussed in Section 4.10.a, pollutants of concern during construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. Each of these pollutants on its own or in combination with other pollutants can have a detrimental effect on water quality. Drainage patterns would be temporarily altered during grading and other construction activities, and construction-related pollutants could be spilled, leaked, or transported via storm runoff into adjacent drainages and downstream receiving waters. However, the proposed project would be required to comply with Mitigation Measures HAZ-1, HAZ-2, HYD-1, and HYD-2, which require the preparation and implementation of an Emergency Response and Cleanup Plan; adhering to proper procedures for construction maintenance, refueling, and washing activities outside of the San Lorenzo Creek channel; preparation and implementation of an Erosion and Sediment Control Plan; and compliance with the Groundwater Discharge Permit. Compliance with these measures would ensure that construction of the proposed project would not provide substantial additional sources of polluted runoff, and impacts would be less than significant.

Expected pollutants of concern from long-term operations include pathogens (bacteria/viruses), metals, nutrients, toxic organic compounds, pesticides/herbicides, sediments/total suspended solids, trash and debris, and oil and grease. As previously discussed, and as detailed in Mitigation Measure HYD-3, compliance with the MRP and implementation of LID techniques would ensure that no substantial sources of polluted runoff would be discharged from the project site. Therefore, potential impacts related to polluted runoff would be less than significant.

iv. Impede or redirect flood flows? ***(Less Than Significant with Mitigation Incorporated)***

The project site would remain relatively level, and the proposed project would not substantially alter drainage patterns. As previously discussed, development of the proposed project would result in an increase in impervious surfaces on the project site to approximately 17,280 square feet. However, as previously discussed, in compliance with Mitigation Measure HYD-3 and the MRP, the proposed project would include landscaped bioretention areas that would total approximately 876 square feet, and a self-treating landscaped area that would be used for stormwater infiltration, control, and treatment. The proposed drainage facilities and BMPs needed to accommodate stormwater runoff would be appropriately sited and sized so flood flows would not be impeded or redirected. Impacts would be less than significant.

d. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation? ***(Less Than Significant Impact)***

Tsunami. A tsunami is an ocean wave generated by earthquakes resulting in sudden displacements in the seafloor or volcanic activity. Tsunami waves vary in frequency and height and are influenced by the magnitude of the earthquake or eruption. The project site is not located in an area mapped by the DOC as being potentially inundated by a tsunami.[32]

[32] California Department of Conservation (DOC). 2019a. *Alameda County Tsunami Hazard Areas*. Website: https://www.conservation.ca.gov/cgs/tsunami/maps/alameda (accessed June 2023).

Seiches. Seiches are waves created in an enclosed body of water such as a bay, lake, or harbor that go up and down or oscillate and do not progress forward like standard ocean waves. Seiches are also referred to as standing waves and are triggered by strong winds, changes in atmospheric pressure, earthquakes, tsunamis, or tidal influences. The height and frequency of seiches are determined by the strength of the triggering factor(s) and the size of the basin. Seiches are not considered a hazard in the San Francisco Bay due to the basin geometry and the Bay's dimensions.[33] There are no other nearby enclosed bodies of water that would subject the project site to inundation due to a seiche.

Dam Inundation. The project site is not located in a dam failure inundation area.[34]

Flooding. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) No. 06001C0287G,[35] the eastern portion of the project area located within the riparian corridor of San Lorenzo Creek is located within Zone A (defined as an area with a 1 percent annual chance of flooding), and the western portion of the project area is within Zone X (defined as an area of minimal flood hazard). All construction activities and development is proposed within the western portion of the project area that is located within an area of minimal flood hazard.

In summary, the portion of the project site proposed for development is not located within a tsunami hazard, seiche, dam inundation, or flood zone. Therefore, implementation of the proposed project would not result in the release of pollutants from a flood, tsunami, seiche, or dam inundation, and impacts would be less than significant.

e. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? ***(Less Than Significant with Mitigation Incorporated)***

In the Bay Area, including the project site, the San Francisco Bay RWQCB is responsible for implementation of the Basin Plan, which establishes beneficial water uses for waterways and water bodies within the region. As previously discussed, the proposed project would comply with existing NPDES permit requirements, and would implement construction and operational BMPs to reduce pollutants of concern in stormwater runoff as detailed in Mitigation Measures HAZ-1, HAZ-2, HYD-1, and HYD-3. Implementation of these construction and operational BMPs would ensure that the proposed project would not degrade or alter water quality, causing the receiving waters to exceed the water quality objectives, or impair the beneficial use of receiving waters. As such, the proposed project would not result in water quality impacts that would conflict with the Basin Plan. Construction and operational impacts related to a conflict with the Basin Plan would be less than significant.

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33 Borrero et al. 2006. Numerical Modeling of Tsunami Effects at Marine Oil Terminals in San Francisco Bay. Prepared for Marine Facilities Division of the California State Lands Commission. June 8.

34 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.

35 Federal Emergency Management Agency (FEMA). 2009. Flood Insurance Rate Map (FIRM) No. 06001C0287G, effective August 3. Website: https://msc.fema.gov/portal/search?AddressQuery=22422%20rockaway%20lane%2C%20hayward%2C%20ca#searchresultsanchor (accessed June 27, 2023).

The Sustainable Groundwater Management Act (SGMA), which was enacted in September 2014, requires governments and water agencies of high- and medium-priority basins to halt overdraft of groundwater basins. The California Department of Water Resources (DWR) designates the Castro Valley Groundwater Basin as a very low priority basin.[36] Therefore, a Sustainable Groundwater Management Plan has not been developed for the Castro Valley Groundwater Basin. Nevertheless, the proposed project would not significantly interfere with groundwater recharge as previously discussed in Section 4.10.b. Therefore, the proposed project would not conflict with or obstruct the implementation of a Sustainable Groundwater Management Plan, and this impact would be less than significant.

[36] California Department of Water Resources (DWR). 2020. *Sustainable Groundwater Management Act 2019 Basin Prioritization, Process and Results.* May.

4.11 LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

*a. Would the project physically divide an established community? **(No Impact)***

The physical division of an established community typically refers to the construction of a physical feature (e.g., an interstate highway or railroad tracks) or removal of a means of access (e.g., a local road or bridge) that would impair mobility within an existing community, or between a community and outlying areas. For instance, the construction of an interstate highway through an existing community may constrain travel from one side of the community to another. Similarly, such construction may also impair travel to areas outside the community.

The project site is located along Rockaway Lane in Hayward and occupies an undeveloped vacant lot that is generally surrounded by residential and commercial uses and vacant land, as well as a meandering creek. Redevelopment of the project site with the proposed 30-unit apartment building and associated improvements would represent a general continuation of the residential and commercial uses adjacent to the project site and would be consistent with the type and intensity of development in the area, particularly along A Street and Rockaway Lane. Driveways and sidewalks along A Street and Rockaway Lane provide vehicular and pedestrian access to the project site. The proposed project would not require the construction of any new infrastructure that would divide an established community, and would not remove any means of access. The proposed project would not result in a physical division of an established community or adversely affect the continuity of land uses in the vicinity, and there would be no impact.

*b. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? **(Less Than Significant Impact)***

The project site is currently designated Commercial/High-Density Residential in the City of Hayward General Plan. The Commercial/High-Density Residential designation typically includes townhomes, live-work units, multi-story apartment and condominium buildings, commercial buildings, shopping centers, and mixed-use buildings that contain commercial uses on the ground floor and residential units or office space on upper floors. A maximum of 34.8 dwelling units are allowed per net acre.[37] The City of Hayward Zoning Map identifies the project site as Commercial Office (CO), which is intended to provide for and protect administrative, professional, business and financial organizations that are not detrimental to the residential use of adjacent properties. Multi-family

[37] City of Hayward. 2014c. *Hayward 2040 General Plan Policy Document.* July.

dwellings are a permitted use within the CO zoning district, which allows a maximum building height of 40 feet.[38] However, pursuant to the State Density Bonus Law, the project qualifies for an increase in the building height on the site to 50 feet. The proposed building would be a maximum of four stories and approximately 48 feet in height and the project would result in the construction of 30 dwelling units on a 0.9-acre site, which equates to 33.3 dwelling units per net acre. As noted in Chapter 2.0, Project Description, the proposed project would include a dedication of a portion of the project site along Rockaway Lane. The reduction in size of the project site would result in a maximum allowable density of 27 units. The proposed project would include two affordable units and therefore would utilize the State Density Bonus to exceed the allowable density on the project site. Therefore, the proposed project would be consistent with the allowable density on the project site.

It should be noted that according to CEQA, policy conflicts do not, in and of themselves, constitute a significant environmental impact. Policy conflicts are considered to be environmental impacts only when they would result in direct physical impacts or where those conflicts relate to avoiding or mitigating environmental impacts. As such, associated physical environmental impacts are discussed in this IS/MND under specific topical sections. The proposed project would not result in any direct physical impacts that cannot be mitigated to a less than significant level.

The project does not propose to change the General Plan land use designation or the current zoning for the project site and would be consistent with the City's General Plan and Zoning Ordinance. Therefore, the proposed project would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, and this impact would be less than significant.

[38] City of Hayward. 2023. Hayward Municipal Code (as amended). April 25.

4.12 MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

*a. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? **(No Impact)***

The USGS has identified 11 past, present, or prospective mining sites within Hayward. The past and present mining sites include those owned by the American Salt Company, the Oliver Salt Company, East Bay Excavation Company, and Ideal Cement Company, as well as the La Vista Quarry and Mill. These sites contain or contained a variety of mineral resources, including: stone, limestone, clay, fire clay, halite, and salt. There are three sites identified for prospective stone and clay extraction.[39]

The State requires local jurisdictions to protect areas with economically significant mineral resources from incompatible development. In an effort to maintain availability of sand, gravel, and crushed rock for long-term construction needs, the California Division of Mines and Geology (under the authority of the Surface Mining and Reclamation Act of 1975) has classified aggregate mineral zones throughout the State. The only designated mineral resource "sector" of regional significance in Hayward is the La Vista Quarry, located in the area east of Mission Boulevard and Tennyson Road. The quarry is designated as Sector N, a greenstone deposit in Hayward. "Probable" and "potential" resource zones have been designated in the vicinity of the quarry. No other significant aggregate or mineral resources are located in Hayward.[40]

All operations at the La Vista Quarry site have been terminated due to depletion of the accessible aggregate resource. The Surface Mining Permit for the quarry issued by Alameda County expired in 2008. The City annexed the La Vista Quarry in 2006. The 2014 General Plan designates the quarry site as Parks and Recreation and Sustainable Mixed Use, which is compatible with the State-mandated reclamation plan.[41]

There are no known mineral resources in the vicinity of the project site. Therefore, the project would not result in the loss of availability of a known mineral resource that would be of value to the region or residents of the State, and there would be no impact.

39 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.
40 Ibid.
41 Ibid.

b. Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? ***(No Impact)***

Please refer to Section 4.12.a. The proposed project would not result in the loss of availability of any known locally-important mineral resource recovery sites, and no impact would occur.

4.13 NOISE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep. Several noise measurement scales exist that are used to describe noise in a particular location. A decibel (dB) is a unit of measurement that indicates the relative intensity of a sound. Sound levels in dB are calculated on a logarithmic basis. An increase of 10 dB represents a 10-fold increase in acoustic energy, while 20 dB is 100 times more intense and 30 dB is 1,000 times more intense. Each 10 dB increase in sound level is perceived as approximately a doubling of loudness; and similarly, each 10 dB decrease in sound level is perceived as half as loud. Sound intensity is normally measured through the A-weighted sound level (dBA), and this scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. The A-weighted sound level is the basis for 24-hour sound measurements which better represent how humans are more sensitive to sound at night.

As noise spreads from a source, it loses energy so that the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes the sound level to attenuate or be reduced, resulting in a 6 dB reduction in the noise level for each doubling of distance from a single point source of noise to the noise sensitive receptor of concern.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. Equivalent continuous sound level (L_{eq}) is the total sound energy of time varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq}, the Community Noise Equivalent Level (CNEL), and the day-night average level (L_{dn}) based on A-weighted decibels (dBA). CNEL is the time varying noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly L_{eq} for noises occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and 10 dBA weighting factor applied to noise occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale, but without the adjustment for events occurring during the evening relaxation hours. CNEL and L_{dn} are within 1 dBA of each other

and are normally exchangeable. The noise adjustments are added to the noise events occurring during the more sensitive hours.

A project would result in a significant noise effect if it would substantially increase the ambient noise levels for adjoining areas or conflict with adopted environmental plans and goals of applicable regulatory agencies, including, as appropriate, the City of Hayward. Certain land uses are considered more sensitive to noise than others. Examples of these include residential areas, educational facilities, hospitals, childcare facilities, and senior housing. The project site is generally surrounded by a mix of residential uses to the north, commercial and residential uses to the west, A street to the south, and vacant land to the east.

Existing noise sources at the project site are primarily associated with traffic on surrounding roadways, including A Street and Rockaway Lane. According to Figure HAZ-1 in the City's General Plan, the project site is subject to traffic noise levels of approximately 65 dBA CNEL.

The City of Hayward regulates noise in the City's Municipal Code, Chapter 4, Article 1, Public Nuisances. This ordinance limits noise from any residential use to no more than 70 dBA between the hours of 7:00 a.m. and 9:00 p.m. or 60 dBA between the hours of 9:00 p.m. and 7:00 a.m. at any point outside of the property plane. The ordinance also limits construction and landscaping activities to between the hours of 7:00 a.m. and 7:00 p.m. on Monday through Saturday and between the hours of 10:00 a.m. and 6:00 p.m. on Sundays and holidays, and limits noise levels generated by an individual device or piece of equipment to no more than 83 dBA at a distance of 25 feet from the source, and the noise level at any point outside of the property plane shall not exceed 86 dBA.

Vibration standards included in the Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* (FTA Manual) are used in this analysis for ground-borne vibration impacts on human annoyance. The criteria for environmental impact from ground-borne vibration and noise are based on the maximum levels for a single event. Table 4.13.A provides the criteria for assessing the potential for interference or annoyance from vibration levels in a building.

Table 4.13.A: Interpretation of Vibration Criteria for Detailed Analysis

Land Use	Max L_v (VdB)[1]	Description of Use
Workshop	90	Vibration that is distinctly felt. Appropriate for workshops and similar areas not as sensitive to vibration.
Office	84	Vibration that can be felt. Appropriate for offices and similar areas not as sensitive to vibration.
Residential Day	78	Vibration that is barely felt. Adequate for computer equipment and low-power optical microscopes (up to 20×).
Residential Night and Operating Rooms	72	Vibration is not felt, but ground-borne noise may be audible inside quiet rooms. Suitable for medium-power microscopes (100×) and other equipment of low sensitivity.

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] As measured in 1/3-octave bands of frequency over the frequency range 8 to 80 Hertz.
FTA = Federal Transit Administration Max = maximum
L_V = velocity in decibels VdB = vibration velocity decibels

Table 4.13.B lists the potential vibration building damage criteria associated with construction activities, as suggested in the FTA Manual. FTA guidelines show that a vibration level of up to 0.5 peak particle velocity (PPV) in inches per second (in/sec) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For non-engineered timber and masonry buildings, the construction building vibration damage criterion is 0.2 PPV (in/sec).

Table 4.13.B: Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
Reinforced concrete, steel, or timber (no plaster)	0.50
Engineered concrete and masonry (no plaster)	0.30
Non-engineered timber and masonry buildings	0.20
Buildings extremely susceptible to vibration damage	0.12

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
FTA = Federal Transit Administration PPV = peak particle velocity
in/sec = inch/inches per second

a. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? ***(Less Than Significant with Mitigation Incorporated)***

Construction-Period Impacts. Construction of the proposed project would result in a temporary increase in ambient noise levels in the project site vicinity. Maximum construction noise levels would be short term, generally intermittent depending on the construction phase, and variable depending on receiver distance from the active construction zone. The duration of noise impacts generally would be from 1 day to several days depending on the phase of construction. Project construction would occur for approximately 18 months. The levels and types of noise impacts that would occur during construction are described below.

Short-term noise impacts would occur during grading and site preparation activities. Table 4.13.C lists maximum noise levels recommended for noise impact assessments for typical construction equipment, based on a distance of 50 feet between the equipment and a noise receptor. Construction-related, short-term noise levels would be higher than existing ambient noise levels currently in the project area but would no longer occur once construction of the project is completed.

Two types of short-term noise impacts could occur during construction of the proposed project. The first type involves construction crew commutes and the transport of construction equipment and materials to the site for the proposed project, which would incrementally increase noise levels on roads leading to the site. Due to the size of the project site, it is expected that heavy truck activity due to the delivery of construction equipment would be minimal, and those noise levels generated would be similar to those currently generated by trucks traveling along A Street.

Table 4.13.C: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)	Maximum Noise Level (L_{max}) at 50 Feet[1]
Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Pick-up Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Welder	40	73

Source: Roadway Construction Noise Model (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Maximum noise levels were developed based on Spec 721.560 from the Central Artery/Tunnel (CA/T) program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
L_{max} = maximum instantaneous sound level

The second type of short-term noise impact is related to noise generated during excavation, grading, and construction on the project site. Construction is performed in discrete steps, or phases, each with its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on site. Therefore, the noise levels vary as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase.

For large projects using larger construction equipment, average maximum noise levels have the potential to range up to 85 dBA maximum instantaneous sound level (L_{max}) at 50 feet, depending on the piece of equipment; however, it is assumed that, consistent with the Hayward Municipal Code, the proposed project would utilize equipment that would generate noise levels by an individual device or piece of equipment of no more than 83 dBA at a distance of 25 feet from the source.

The site preparation phase, including excavation and grading of the site, tends to generate the highest noise levels because earthmoving machinery are the noisiest construction equipment. Earth-moving equipment includes excavating machinery such as backfillers, bulldozers, draglines, and front loaders. Earthmoving and compacting equipment includes compactors, scrapers, and graders.

Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full-power operation followed by 3 or 4 minutes at lower power settings.

As identified above, the project site is generally surrounded by residential uses to the north along with residential and commercial uses to the west. The closest property line with sensitive noise receptors is the shared property line with the multi-family residential uses to the north at approximately 95 feet from the center of the project site (or 30 feet from the property line). The 95-foot distance would decrease the noise level by approximately 6 dBA compared to the noise level measured at 50 feet from the construction activity. Therefore, the closest property plane to the north may be subject to short-term construction noise levels of 80 dBA L_{eq} during the grading phase assuming the operation of one grader, one dozer, and two tractors. These noise levels would comply with the Hayward Municipal Code, which states that the noise level at any point outside of the property plane shall not exceed 86 dBA. It is expected that all other phases of construction would generate lower noise levels.

While the project's construction noise levels could result in a temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project, implementation of Mitigation Measure NOI-1 for project construction would ensure compliance with the Hayward Municipal Code.

Mitigation Measure NOI-1: **Construction Noise.** The project contractor shall implement the following measures during construction of the project:

- Equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.
- Place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the active project site.
- Locate equipment staging in areas that would create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the active project site during all project construction.
- Construction haul trucks and materials delivery traffic shall avoid residential areas whenever feasible.
- Prohibit extended idling time of internal combustion engines by either shutting equipment off when not in use or reducing the maximum idling time to 5 minutes.
- Ensure that all general construction-related activities are restricted to between the hours of 7:00 a.m. and 7:00 p.m. on

Monday through Saturday and between the hours of 10:00 a.m. and 6:00 p.m. on Sundays and holidays.

- Designate a "disturbance coordinator" at the City of Hayward who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator would determine the cause of the noise complaint (e.g., starting too early, bad muffler) and would determine and implement reasonable measures warranted to correct the problem and ensure that noise levels do not exceed noise ordinance standards.

Implementation of Mitigation Measure NOI-1 would limit construction activities to the less noise-sensitive periods of the day and would reduce construction impacts to a less than significant level.

Long-Term Noise Impacts. The project would generate long-term noise impacts from both traffic and stationary noise sources, as discussed below.

Traffic Noise Impacts. As identified above, existing noise sources at the project site are primarily associated with traffic on surrounding roadways, including A Street and Rockaway Lane. According to Figure HAZ-1 in the City's General Plan, the project site is subject to traffic noise levels of approximately 65 dBA. Motor vehicles with their distinctive noise characteristics are the dominant noise source in the project vicinity. The amount of noise varies according to many factors, such as volume of traffic, vehicle mix (percentage of cars and trucks), average traffic speed, and distance from the observer.

Implementation of the proposed project would result in new daily trips on local roadways in the project site vicinity. A characteristic of sound is that a doubling of a noise source is required to result in a perceptible (3 dBA or greater) increase in the resulting noise level. This analysis assumes that the proposed project would generate approximately 136 net new average daily trips as presented in the Trip Generation and Vehicle Miles Traveled Analysis prepared for the proposed project.[42] The adjacent A Street carries approximately 17,310 average daily trips based on the City's General Plan Environmental Impact Report (EIR) traffic information. Project trips would represent a small increase in noise levels, less than 0.1 dBA CNEL based on the following equation:

$$Change\ in\ (dBA) = 10 * \log_{10}\left(\frac{Future\ Volume}{Current\ Volume}\right)$$

Therefore, based on the existing traffic noise levels at the project site and the increase in traffic noise levels, daily project trips would not result in a perceptible noise increase along any

[42] LSA Associates, Inc. 2023. *Trip Generation and Vehicle Miles Traveled Analysis for the 22422 Rockway Lane Residential Project*. April 21.

roadway segment in the project vicinity. Therefore, traffic noise impacts would be less than significant.

Stationary Noise Impacts. Implementation of the proposed project would generate on-site stationary noise levels from heating, ventilation, and air conditioning (HVAC) equipment. The Hayward Municipal Code limits non-construction noise from residential uses to no more than 70 dBA between the hours of 7:00 a.m. and 9:00 p.m. or 60 dBA between the hours of 9:00 p.m. and 7:00 a.m. at any point outside of the property plane.

The project would have various rooftop mechanical equipment including HVAC units on the proposed building. To be conservative, it is assumed the project could have 15 rooftop HVAC units on the northern half of the building that would operate 24 hours per day and would generate sound power levels (SPLs) of up to 76 dBA SPL or 63 dBA L_{eq} at 5 feet, based on manufacturer data.[43]

Table 4.13.D shows the noise levels generated by HVAC units at the closest residential property line to the north. As shown in Table 4.13.D, noise levels generated by rooftop HVAC equipment would not exceed the City's daytime and nighttime exterior noise standard of 70 dBA and 60 dBA, respectively. Therefore, noise levels generated from on-site HVAC equipment would be less than significant.

Table 4.13.D: HVAC Noise

Land Use	Direction	HVAC	Total Noise Level[1] (dBA L_{eq})	Reference Distance (ft)	Distance (ft)	Distance Attenuation (dBA)	Shielding (dBA)	Noise Level (dBA L_{eq})
Residential	North	15	78	5	44	19	0	59

Source: Compiled by LSA Associates Inc. 2023.

[1] The total noise level based on the number of HVAC units and each HVAC unit generating a noise level of 66.6 dBA L_{eq} at a distance of 5 ft.

dBA = A-weighted decibel(s)
ft = foot/feet
HVAC = heat, ventilation, and air conditioning
L_{eq} = equivalent continuous sound level

*b. Would the project result in generation of excessive groundborne vibration or groundborne noise levels? **(Less Than Significant Impact)***

Vibration refers to ground-borne noise and perceptible motion. Ground-borne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors. Vibration energy propagates from a source, through intervening soil and rock layers, to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by the occupants as the motion of building surfaces, rattling of items on shelves or hanging on walls, or as a low-frequency rumbling noise. The rumbling noise is caused by the vibrating walls, floors, and ceilings radiating sound waves.

[43] Allied Commercial. 2019. *KHB – K-Series Rooftop Units Standard and High Efficiency – 50 Hz Product Specifications*. April.

Annoyance from vibration often occurs when the vibration exceeds the threshold of perception by 10 dB or less. This is an order of magnitude below the damage threshold for normal buildings.

Typical sources of ground-borne vibration are construction activities (e.g., pavement breaking and operating heavy-duty earthmoving equipment), rail activity, and occasional traffic on rough roads. In general, ground-borne vibration from standard construction practices is only a potential issue when within 25 feet of sensitive uses. Ground-borne vibration levels from construction activities very rarely reach levels that can damage structures; however, these levels are perceptible near the active construction site. With the exception of older buildings built prior to the 1950s or buildings of historic significance, potential structural damage from heavy construction activities rarely occurs. When roadways are smooth, vibration from traffic (even heavy trucks) is rarely perceptible.

The roadways surrounding the project area, including A Street and Rockaway Lane, are paved, smooth, and unlikely to cause significant ground-borne vibration. In addition, the rubber tires and suspension systems of buses and other on-road vehicles make it unusual for on-road vehicles to cause ground-borne noise or vibration problems. It is, therefore, assumed that no such vehicular vibration impacts would occur; therefore, no vibration impact analysis of on-road vehicles is necessary.

Construction Vibration. Construction of the proposed project could result in the generation of ground-borne vibration. This construction vibration impact analysis discusses the level of human annoyance using vibration levels in root-mean-square or RMS (VdB) and assesses the potential for building damages using vibration levels in peak particle velocity or PPV (in/sec) because vibration levels calculated in RMS are best for characterizing human response to building vibration, while vibration level in PPV (in/sec) is best used to characterize potential for damage.

As shown in Table 4.13.B, a vibration level up to 0.5 PPV (in/sec) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 PPV (in/sec). Additionally, as shown in Table 4.13.A, the threshold at which vibration levels would result in annoyance would be 78 VdB for daytime residential uses and 84 VdB for office-type uses.

Table 4.13.E shows the PPV and VdB values at 25 feet from a construction vibration source. As shown in Table 4.13.E, bulldozers and other heavy-tracked construction equipment (except for pile drivers and vibratory rollers) generate approximately 0.089 PPV (in/sec) or 87 VdB of ground-borne vibration when measured at 25 feet, based on the FTA Manual. Outdoor site preparation for the proposed project is expected to include the use of bulldozers and loaded trucks. The greatest levels of vibration are anticipated to occur during the site preparation phase. All other phases are expected to result in lower vibration levels.

Table 4.13.E: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 feet	
	PPV (in/sec)	L_V (VdB)[1]
Pile Driver (Impact), Typical	0.644	104
Pile Driver (Sonic), Typical	0.170	93
Vibratory Roller	0.210	94
Hoe Ram	0.089	87
Large Bulldozer	0.089	87
Caisson Drilling	0.089	87
Loaded Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] RMS VdB is 1 µin/sec.
µin/sec = microinches per second
FTA = Federal Transit Administration
in/sec = inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity decibels

The distance to the nearest buildings for vibration impact analysis associated with potential damage is measured between the nearest off-site buildings and the project boundary (assuming the construction equipment would be used at or near the project boundary). For potential annoyance due to construction vibration, the distance from the center of construction activities to the nearest building façade is used because vibration impacts occur normally within the buildings. The formulae for vibration transmission are provided below.

$$L_vdB\ (D) = L_vdB\ (25\ ft) - 30\ Log\ (D/25)$$

$$PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$$

The closest surrounding buildings to the project site include the existing residential building, which is located approximately 30 feet north of the project site. The nearest building would experience vibration levels up to 0.068 PPV (in/sec). This vibration level at the nearest building from construction equipment would not exceed the FTA threshold of 0.2 PPV (in/sec) for building damage.

Similarly, the residential building to the north would be approximately 120 feet (90 feet at the property line) from the center of construction activity. At a distance of 120 feet, vibration levels are expected to approach 67 VdB at the closest residential uses to the north, which is below the 78 VdB annoyance thresholds for daytime residential uses.

Although construction vibration levels at the nearest buildings would have the potential to result in annoyance, these vibration levels would no longer occur once construction of the project is completed. Therefore, ground-borne vibration impacts from construction activities associated with the proposed project would be considered less than significant.

c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? ***(Less Than Significant Impact)***

The closest airport to the project site is the Hayward Executive Airport, which is located approximately 2.5 miles west of the project site. In addition, the Oakland International Airport is located approximately 7.5 miles northwest of the project site. The project site is not located within the 55 dBA CNEL noise contours for either of these airports and is not located within the vicinity of a private airstrip. Although aircraft-related noise may be audible on the project site, the proposed project would not expose people working in the project area to excessive noise levels due to the proximity of a public airport. In addition, the City's Airport Noise Ordinance included within the Municipal Code regulates sound generated from aircraft going to and from the Hayward Executive Airport, which would further reduce potential noise impacts on people residing or working in the project area. This impact would be less than significant.

4.14 POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

*a. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? **(Less Than Significant Impact)***

Under CEQA, growth inducement is not considered necessarily detrimental, beneficial, or of little significance to the environment. Typically, the growth-inducing potential of a project would be considered substantial if it fosters growth or a concentration of population in excess of what is assumed in pertinent master plans, land use plans, or in projections made by regional planning agencies.

The proposed project would result in the construction of a 30-unit apartment building and associated improvements. Based on the average household size in Hayward of 3.21 persons per household,[44] the proposed project would increase the local population by approximately 96 persons. The population of Hayward was estimated to be approximately 156,754 persons as of July 1, 2022.[45] The anticipated population growth associated with the proposed project represents less than a 1 percent increase to the city's population. Hayward's population is projected to grow by 26,779 persons to a total of 183,533 persons by 2040.[46] The proposed project represents less than 1 percent of the population growth anticipated through 2040. The project is consistent with the General Plan land use designation and zoning designation for the site and would not generate growth beyond that anticipated in the General Plan. Therefore, the proposed project would not result in substantial unplanned population growth in the area, and this impact would be less than significant.

44 United States Census Bureau. QuickFacts, Hayward city, California. Website: https://www.census.gov/quickfacts/haywardcitycalifornia (accessed June 28, 2023).

45 Ibid.

46 City of Hayward. 2014b. Hayward 2040 General Plan Housing Element. December.

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? ***(No Impact)***

The project site is currently vacant and undeveloped and does not contain any residential uses. Therefore, the proposed project would not result in the displacement of people or housing and would not require the construction of replacement housing elsewhere, and there would be no impact.

4.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i. Fire protection?	☐	☐	☒	☐
ii. Police protection?	☐	☐	☒	☐
iii. Schools?	☐	☐	☒	☐
iv. Parks?	☐	☐	☒	☐
v. Other public facilities?	☐	☐	☒	☐

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: i. Fire protection? ii. Police protection? iii. Schools? iv. Parks? v. Other public facilities? ***(Less Than Significant Impact)***

Fire Protection. The HFD would provide fire protection services to the proposed project. The HFD provides fire, paramedic advanced life support/emergency medical, and emergency services to all areas within the city limits. There are nine HFD fire stations in Hayward, with the closest fire station to the project site being HFD Fire Station 1, located at 22700 Main Street, which is approximately 0.5 mile southwest of the project site.[47] As noted in Section 4.14, Population and Housing, the proposed project would result in an incremental increase in the population of the City and therefore incrementally increase the demand for emergency fire services and emergency medical services. The proposed project is consistent with the site's General Plan designation and does not represent unplanned growth given that the project site would be developed consistent with its land use and zoning designations. Additionally, the proposed project would be required to comply with all applicable codes for fire safety and emergency access. The project applicant would also be required to submit plans to HFD for review and approval prior to the issuance of building permits to ensure the project would conform to applicable building and fire codes.

The HFD would continue providing services to the project site and would not require additional firefighters to serve the proposed project. The construction of a new or expanded fire station would not be required. The proposed project would not result in a significant impact on the physical environment due to the incremental increase in demand for fire protection and life safety services.

[47] City of Hayward. 2019b. Hayward Fire Department: Stations. Website: https://www.hayward-ca.gov/fire-department/stations (accessed June 2023).

The incremental increase in demand for services is not expected to adversely affect existing responses times to the site or within the city. Therefore, construction and operation of the proposed project would have a less than significant impact on fire protection and safety services and facilities.

Police Protection. The Hayward Police Department (HPD) provides police protection services to the surrounding project area and project site. The HPD headquarters are located at 300 West Winton Avenue, approximately 1.8 miles southwest of the project site. As previously discussed, development of the proposed project would increase the population on the project site and incrementally increase demand for emergency police services to the project site. However, the proposed project is consistent with the site's General Plan designation and does not represent unplanned growth.

The HPD would continue to provide services to the project site and would not require additional officers to serve the project site; therefore, the construction of new or expanded police facilities would not be required. In addition, the proposed project would be required to comply with Section 10-2.640 of the City's Municipal Code, which requires appropriate lighting for safety and security, including lighting throughout the parking lot and around the proposed building. Therefore, the proposed project would not result in a substantial adverse impact associated with the provision of additional police facilities or services, and this impact would be less than significant.

Schools. The project site is within the boundaries of the Hayward Unified School District (HUSD). HUSD serves more than 19,000 students from preschool through high school. HUSD is composed of 19 elementary schools, 5 middle schools, 3 high schools, 1 alternative high school, 1 adult education center, and 1 childcare center for preschoolers.[48]

The estimated number of students the proposed project would generate is derived by multiplying the number of students per dwelling unit (the student yield factor) by the number of dwelling units in the proposed project (30 new units). The California State Allocation Board Office of Public School Construction reports that the Statewide student yield factor of 0.7 student per dwelling unit is applicable for unified school districts.[49] Applying the Statewide average student yield factor, the proposed project would generate 21 students.

SB 50, which revised the existing limitation on developer fees for school facilities, was enacted as urgency legislation that became effective on November 4, 1998, as a result of the California voters approving a bond measure (Proposition 1A). SB 50 established a 1998 base amount of allowable developer fees (Level One fee) for residential construction (subject to adjustment) and prohibits school districts, cities, and counties from imposing school impact mitigation fees or other requirements in excess or in addition to those provided in the statute.

[48] Hayward Unified School District (HUSD). n.d. About Us. Website: https://www.husd.us/about-us (accessed July 3, 2023).

[49] California Office of Public School Construction. 2019. *School Facility Program Handbook*. January.

The HUSD requires payment of a school impact fee of $4.79 per square foot of residential development.[50] The project sponsor would be required to pay this fee prior to issuance of a certificate of occupancy. The HUSD is responsible for implementing the specific methods for mitigating school impacts under the Government Code. These fees would be directed towards maintaining adequate service levels that would ensure that any impact to schools that could result from the proposed project would be offset by development fees and, in effect, would reduce potential impacts to a less than significant level.

Parks. Development of the proposed project could increase the use of parks within the vicinity of the project site, including the De Anza Park, Carlos-Bee Park, San Felipe Community Park, and Bret Harte Park and Field. However, this increase in use is not expected to adversely affect the physical conditions of local and regional open space areas or recreational facilities, or require the provision of new parks or facilities because the proposed project is anticipated to increase Hayward's population by less than 1 percent. The proposed project would not result in a substantial increase in demand for park or recreation services in the vicinity that would require new facilities be provided to serve the project. Furthermore, the project applicant would be required to pay park impact fees as stipulated by Section 10-16.20 of the Hayward Municipal Code. These fees would ensure that any impact to parks that could result from the proposed project would be offset by development fees and, in effect, would reduce potential impacts to a less than significant level. Therefore, the proposed project would have a less than significant impact related to the provision of park and recreational facilities.

Other Public Facilities. Development of the proposed project could also increase demand for other public services, including libraries, community centers, and public health care facilities. However, due to the minimal increase in population, the proposed project would not result in a substantial increase in the use of these facilities such that new facilities would be needed to maintain service standards. Therefore, impacts to other public facilities would be less than significant.

[50] Hayward Unified School District (HUSD). n.d. Developer Fees. Website: https://www.husd.us/community/developer-fees (accessed July 3, 2023).

4.16 RECREATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? ***(Less Than Significant Impact)***

Development of the proposed project could increase the use of parks within the vicinity of the project site (including the De Anza Park, Carlos-Bee Park, San Felipe Community Park, and Bret Harte Park and Field) and within the region (including the Don Castro Regional Recreation Area). Although the proposed project would incrementally increase the use of these facilities, this minor increase in use is not expected to result in substantial physical deterioration of local parks, trails, and community centers. The proposed project is anticipated to increase Hayward's population by less than 1 percent, and these facilities are anticipated to have capacity to serve this minimal increase in demand. Furthermore, the project applicant would be required to pay park impact fees as stipulated by Section 10-16.20 of the Hayward Municipal Code. These fees would ensure that any impact to parks that could result from the proposed project would be offset by development fees and, in effect, reduce potential impacts to a less than significant level. Therefore, the proposed project would have a less than significant impact on existing parks or other recreational facilities.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? ***(No Impact)***

The proposed project would involve development of the project site with residential uses. The proposed project does not include or require the construction or expansion of existing public recreational facilities. Therefore, development of the proposed project and associated recreational opportunities for use by project residents would not result in additional environmental effects beyond those described in this document, and no impact would occur.

4.17 TRANSPORTATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)?	☐	☐	☒	☐
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

The following section is based on information provided in the Trip Generation and Vehicle Miles Traveled Analysis (included in Appendix E)[51] prepared for the proposed project.

*a. Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? **(Less Than Significant Impact)***

The following includes an evaluation of the proposed project's potential to conflict with applicable programs, plans, ordinances, and policies addressing the circulation system, including the City's Traffic Study Guidelines and the Mobility Element of the Hayward 2040 General Plan. This section begins with a description of the proposed project's trip generating potential compared to existing conditions, followed by an analysis of potential impacts to transit, bicycle, pedestrian, and roadway facilities. As discussed, this impact would be less than significant.

Trip Generation. Trip generation is the process of estimating the number of vehicles that would likely access the project site. Project trip generation was estimated for the following three time periods:

- Weekday daily
- Weekday a.m. peak hour
- Weekday p.m. peak hour

The daily and peak-hour trips of the proposed project were calculated using trip rates from the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*, 11th Edition (2021) for Multifamily Housing (Mid-Rise) (Land Use Code 221). Table 4.17.A presents the ITE trip generation summary for the proposed project.

[51] LSA Associates, Inc. 2023. *Trip Generation and Vehicle Miles Traveled Analysis for the 22422 Rockway Lane Residential Project.* April 21.

Table 4.17.A: Project Trip Generation

Land Use	Size	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates[1]									
Multifamily Housing		DU	4.54	0.09	0.28	0.37	0.24	0.15	0.39
Project Trip Generation									
Multifamily Housing	30	DU	136	3	8	11	7	5	12

Source: *Trip Generation and Vehicle Miles Traveled Analysis for the 22422 Rockway Lane Residential Project* (LSA 2023).
[1] Trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation* Manual, 11th Edition (2021).
Land Use 221 – Multifamily Housing (Mid-Rise) – Between 4 and 10 Levels
DU = dwelling unit

As shown in Table 4.17.A, the proposed project would generate 136 daily trips, including 11 trips (3 inbound and 8 outbound) in the a.m. peak hour and 12 trips (7 inbound and 5 outbound) in the p.m. peak hour. According to the City of Hayward Transportation Impact Analysis Guidelines, a local transportation analysis (LTA) is required for projects generating 50 or more trips during the a.m. and/or p.m. peak hour. As previously described, the proposed project would generate 11 a.m. peak-hour trips and 12 p.m. peak-hour trips. As such, the proposed project would not exceed the City's 50 peak-hour trip threshold; therefore, an LTA is not required. Additionally, given that the project trips are less than 100 p.m. peak-hour trips, no Alameda County Transportation Commission (ACTC) CMP analysis is required for the proposed project.

Public Transit. The proposed project is not expected to degrade access to public transit facilities. There are bus stops located approximately 0.1 mile southeast of the project site along B Street that provide transit access to the project site. Additionally, the Hayward Bay Area Rapid Transit (BART) Station is located approximately 0.9 mile southwest of the project site, and the Castro Valley BART station is located approximately 1 mile north. The proposed project would not affect any existing or planned bus stops or sidewalks in the study area. Additionally, the low volume of transit trips generated by the project would not exceed the carrying capacity of the existing transit service to the site. Therefore, implementation of the proposed project would not conflict with plans, programs, and policies regarding transit facilities, or decrease the performance of such facilities. Impacts would be less than significant.

Pedestrian and Bicycle Facilities. The proposed project is not expected to degrade pedestrian or bicycle facilities. Sidewalks along A Street and Rockaway Lane provide pedestrian access to the project site. The proposed project would include the demolition and reconstruction of the existing sidewalk, curb, and gutter along Rockaway Lane as part of the proposed dedication of approximately 8 feet along Rockaway Lane to allow widening of the roadway from 48 feet to 56 feet. Construction activities would result in temporary closure of the sidewalk along Rockaway Lane; however, other nearby sidewalks would be available for use, and there would be no permanent impacts to the nearby pedestrian facilities. The proposed project would generate pedestrian trips to/from transit stops, recreation areas, and employment centers. However, the volume of pedestrian trips generated by the project would not exceed the carrying capacity of the sidewalks and crosswalks nearby.

The parking garage associated with the proposed project would include a bicycle parking room that would provide long-term storage for up to 20 bicycles. The proposed bicycle parking meets the Bicycle Parking Design Standards described in the City of Hayward Bicycle and Pedestrian Master Plan.[52] The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities. Implementation of the proposed project would not conflict with plans, programs, and policies regarding pedestrian and bicycle facilities, or decrease the performance of such facilities.

Overall, the proposed project would not conflict with a program plan, ordinance, or policy addressing the circulation system (including transit, roadway, bicycle and pedestrian facilities), and impacts would be less than significant.

*b. Would the project conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)? **(Less Than Significant Impact)***

On September 27, 2013, California Governor Jerry Brown signed SB 743 into law and started a process that changed the way transportation impact analysis is conducted as part of CEQA compliance. These changes include elimination of automobile delay, level of service (LOS), and other similar measures of vehicular capacity or traffic congestion as a basis for determining significant impacts under CEQA. According to SB 743, these changes are intended to "more appropriately balance the needs of congestion management with Statewide goals related to infill development, promotion of public health through active transportation, and reduction of greenhouse gas emissions."

In December 2018, the OPR completed an update to the *State CEQA Guidelines* to implement the requirements of SB 743. The *State CEQA Guidelines* state that VMT must be the metric used to determine significant transportation impacts. The *State CEQA Guidelines* require all lead agencies in California to use VMT-based thresholds of significance in CEQA documents published after July 1, 2020.

According to the *City of Hayward Transportation Impact Analysis Guidelines,*[53] residential projects in areas of low VMT are screened out from a VMT analysis and are presumed to have a less than significant transportation impact. As shown on Figure 4 (CEQA Transportation Screening Map for Residential Projects) of the *City of Hayward Transportation Impact Analysis Guidelines*, the proposed project is an area of greater than 15 percent below the average VMT per capita. As such, the proposed project meets the City's VMT screening criteria. Therefore, based on its location, the proposed project is presumed to have a less than significant impact to VMT.

52 City of Hayward. 2020a. *Bicycle & Pedestrian Master Plan, City of Hayward.* September 29.

53 City of Hayward. 2020b. *City of Hayward Transportation Impact Analysis Guidelines.* December.

c. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? ***(Less Than Significant Impact)***

The proposed project would include a ground-floor parking garage that would be accessed via a 22.5-foot-wide driveway along Rockaway Lane. No sight distance or visibility issues were identified at the proposed driveway. The parking garage would include a total of 32 vehicle parking spaces, which would include 2 accessible parking spaces and 2 guest parking spaces. The proposed project would also include dedication of approximately 8 feet along Rockaway Lane to allow widening of the roadway from 48 feet to 56 feet. As a part of this dedication, the proposed project would include the demolition and reconstruction of the existing sidewalk, curb, and gutter along Rockaway Lane. The design, construction, and maintenance of project access locations and on-site roads would be in compliance with the City's Municipal Code.

The proposed project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). Impacts would be less than significant, and no mitigation is required.

d. Would the project result in inadequate emergency access? ***(Less Than Significant Impact)***

The proposed project would include a ground-floor parking garage that would be accessed via a 22.5-foot-wide driveway along Rockaway Lane. The proposed project would not alter or block adjacent roadways, and implementation of the proposed project would not be expected to impair the function of nearby emergency evacuation routes. The proposed project would be required to comply with all applicable codes for fire safety and emergency access, which would ensure adequate access to, from, and on site for emergency vehicles. Additionally, the project applicant would be required to submit plans to HFD for review and approval prior to the issuance of building permits to ensure that the project would conform to applicable building and fire codes. Therefore, the proposed project would not result in inadequate emergency access, and impacts would be less than significant.

4.18 TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or	☐	☒	☐	☐
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or

ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. ***(Less Than Significant with Mitigation Incorporated)***

AB 52 provides for consultation between lead agencies and Native American tribal organizations during the CEQA process. Prior to the release of an Environmental Impact Report or Negative Declaration/Mitigated Negative Declaration for public review, a lead agency must provide the opportunity to consult with local tribes.

A request form describing the project and a map depicting the project site was sent to the NAHC in West Sacramento requesting a list of tribes eligible to consult with the City, pursuant to PRC Section 21080.3.1. Letters were sent to these individuals via certified mail on June 7, 2023, notifying them of

their opportunity to consult for this project. No requests for consultation have been received to date.

As discussed in Section 4.5, Cultural Resources, the proposed project would have no impact on known tribal cultural resources that are listed or eligible for listing in the California Register or a local register of historical resources, nor has the City identified a tribal cultural resource at the project site. With implementation of Mitigation Measures CUL-1a and CUL-1b, the potential construction-period discovery of previously archaeological resources that may be of tribal origin would be reduced to a less than significant level. Additionally, compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 would ensure any impacts to human remains of tribal origin would be reduced to a less than significant level.

4.19 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

*a. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? **(Less Than Significant Impact)***

Wastewater. The City of Hayward owns and operates the wastewater collection and treatment system that serves almost all of the residential, commercial, and industrial users within the incorporated city limits. The East Bay Dischargers Authority disposes of the treated wastewater. A 6-inch-diameter sanitary sewer main is located within the Rockaway Lane right-of-way and would serve the project site via a new connection. The new sanitary sewer line would be constructed in conformance with City standards, and its construction would not cause significant environmental effects.

Water. The City provides water for residential, commercial, industrial, governmental, and fire suppression uses. The City owns and operates its own water distribution system and purchases all of its water from the SFPUC. Emergency water supplies are available through connections with the Alameda County Water District (ACWD) and the East Bay Municipal Utility District (EBMUD) in case of disruption of delivery from SFPUC. Hayward receives water through two aqueducts along Mission Boulevard and Hesperian Boulevard that have a total capacity of 32 million gallons per day (mgd). The aqueducts deliver potable water through a pressurized distribution system with over 360 miles of pipelines, 14 water storage reservoirs, 7 pump stations, transmission system pressure regulating valves, numerous zonal pressure reducing valves, and 2 booster pump stations. Five water wells,

certified by the California Department of Health Services for short duration emergency use only, are located within the city limits and can provide up to 13.6 mgd.[54]

The City updated its Urban Water Management Plan (UWMP) in 2020,[55] and adopted the UWMP in 2021. According to the UWMP, the annual water use in 2020 was 5,082 million gallons. As discussed in Section 4.19.b, the proposed project would not substantially increase demand for water and would therefore not exceed the capacity of the existing water treatment facilities. The proposed project would not require the construction of new water treatment facilities or the expansion of existing facilities other than those already planned. A 6-inch-diameter distribution main is located within the Rockaway Lane right-of-way and would serve the project site via 1.5-inch-diameter connections for each residential unit. In addition, the proposed project would include removal of a portion of the existing water main within Rockaway Lane and replacement with a 12-inch-diameter line. The new water line would be constructed in conformance with City standards, and its construction would not cause significant environmental effects.

Stormwater Drainage. The proposed storm drainage infrastructure would include stormwater drains and catch basins throughout the site that connect to on-site biotreatment areas as well as existing inlets along A Street. On-site drainage would be designed consistent with the Alameda County NPDES C.3 requirements for LID. Therefore, the impact of the proposed project on stormwater infrastructure would be less than significant.

Electricity and Telecommunications. The project site is currently served by overhead electricity lines. The proposed project would connect to, move, and underground these existing lines to accommodate the proposed roadway widening. The proposed building would include connections to the telecommunications lines that currently run through the project site.

Therefore, because the proposed project would connect to existing utility services within or adjacent to the project site, and there is sufficient excess capacity within those systems to accommodate project demands, the relocation or reconstruction of new or expanded water, wastewater treatment or stormwater drainage, electric power, or telecommunications facilities would not be required, and this impact would be less than significant.

b. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? ***(Less Than Significant Impact)***

As noted above, the City provides water service to the project site and purchases all of its water from the SFPUC. The water supplied to Hayward is predominantly from the Sierra Nevada mountain range, delivered through the Hetch-Hetchy aqueducts, but also includes treated water produced by the SFPUC from its local watershed and facilities in Alameda County.[56] The City's 2020 UWMP

54 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.
55 City of Hayward. 2011. *2021 Urban Water Management Plan*. July.
56 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.

describes the existing and planned sources of water available in the water system service area in 5-year increments over the next 20 years.

In 2018, the SWRCB adopted amendments to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta Plan Amendment) to establish water quality objectives with the goal of increasing salmonid populations in three San Joaquin River tributaries and the Bay-Delta. Implementation of the Bay-Delta Plan Amendment would significantly affect water supplies for SFPUC and therefore Hayward. The SWRCB has stated that it intends to implement the Bay-Delta Plan Amendment on the Tuolumne River by the year 2022, assuming all required approvals are obtained. However, implementation of the plan is uncertain for several reasons, including lawsuits and litigation, unclear responsibility, and impacts of other policies and permits. Due to the level of uncertainty surrounding the Bay-Delta Plan, the City's UWMP presents information for water supply reliability assuming the Bay-Delta Plan Amendment is implemented.

The UWMP indicates that existing water supply entitlements are sufficient to meet the City's projected demands through 2045 during a normal year. However, the UWMP indicates that the City would experience significant water supply cutbacks during a single dry year and multiple dry years from SFPUC due to the implementation of the Bay-Delta Plan Amendment. However, these shortfalls would invoke the City's Water Shortage Contingency Plan (WSCP),[57] which identifies a variety of shortage response actions including demand reduction, supply augmentation, operational changes, and mandatory restrictions. Additionally, the City is working to identify alternate supplies to minimize the need for imported SFPUC water, and SFPUC is working to identify alternate supplies that would not be impacted by the Bay-Delta Plan Amendment. Due to the uncertainty of the implementation of the Bay-Delta Plan Amendment, the UWMP indicates that updated information should be obtained from the City prior to making decisions based on water supply and demand values included in the UWMP. Impacts related to new or expanded water supply facilities cannot be identified at this time or implemented in the near term. Instead, SFPUC and the City would address supply shortfalls through increased rationing, which could result in significant cumulative effects, but the project would not make a considerable contribution to impacts from increased rationing.

The proposed project would increase water demand at the project site due to the construction of 30 new residential units, resulting in an increase in the local population of approximately 96 persons, as discussed in Section 4.14, Population and Housing. The current Statewide median indoor residential water use is 48 gallons per capita per day;[58] therefore, the proposed project would result in an increase in water demand by approximately 4,608 gallons per day or 1.68 million gallons per year. This accounts for less than 0.1 percent of the City's annual water use in 2020 and the City's projected water demand for 2025 through 2040. Furthermore, the project is consistent with the City's General Plan land use designation and does not represent unplanned growth given that the project site would be developed consistent with its land use and zoning designations. The UWMP, which identifies water system improvements necessary to meet future water demand, did not identify any deficiencies in the vicinity of the project site, and the existing water system infrastructure has adequate capacity to serve the proposed project. In addition, the proposed

57 City of Hayward. 2021b. *The City of Hayward 2020 Water Shortage Contingency Plan*. July.

58 California Department of Water Resources (DWR). 2021. *Results of the Indoor Residential Water Use Study*.

project would be required to coordinate with the HFD to assess fire flow requirements and comply with them as part of the project. Based on the above, the City would have sufficient water supply to support the proposed project, implementation of the project would not require new or expanded entitlements for water supplies, and impacts related to water supply would be less than significant.

c. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? ***(Less Than Significant Impact)***

The City owns and operates its municipal wastewater collection system, which contains 350 miles of sewer mains, 9 sewage lift stations, and 2.5 miles of force mains. Wastewater is collected and transported via underground sewer lines to the City of Hayward Water Pollution Control Facility (WPCF) located at the terminus of Enterprise Avenue in western Hayward. In 2020, the WPCF treated 3,922 million gallons of wastewater, discharged 3,745 million gallons of treated wastewater, and recycled 177 million gallons within its service area.[59] The WPCF treats an average of 11.3 million gallons of wastewater every day (i.e., approximately 61 percent of its 18.5 mgd capacity), which includes service to the project site.[60]

The proposed project would generate domestic wastewater that would be treated by the WPCF. Planned growth under the General Plan would increase the collection and treatment of wastewater. The project is consistent with the City's General Plan land use designation and does not represent unplanned growth given that the project site would be developed consistent with its land use and zoning designations. Furthermore, the WPCF is currently only treating an average of 61 percent of its capacity on a daily basis; therefore, the City has sufficient capacity to serve the proposed project. Therefore, wastewater generated from the proposed project would not cause the WPCF to violate any wastewater treatment requirements, and this impact would be less than significant.

d. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? ***(Less Than Significant Impact)***

The City provides weekly garbage collection and disposal services through a Franchise Agreement with Waste Management, Inc. (WMI), a private company. WMI subcontracts with a local non-profit, Tri-CED Community Recycling, for residential collection of recyclables. Altamont Landfill is the designated disposal site in the City's Franchise Agreement with WMI. Altamont Landfill is a Class II facility that accepts municipal solid waste from various cities, including Hayward. The landfill occupies a 2,063-acre site of which 472 acres are permitted for landfill. The Altamont Landfill has a total capacity of 124.4 million cubic yards and a remaining capacity of 65.4 million cubic yards, and

[59] City of Hayward. 2021a. *2020 Urban Water Management Plan*. July.
[60] City of Hayward. 2019a. *Hayward Downtown Specific Plan and Associated Zoning Code Update Draft EIR.* January 7.

can accept 11,150 tons per day. The landfill has an anticipated ceased operation date of December 1, 2070.[61]

On average, multi-family uses generate approximately 8.6 pounds per household per day of solid waste. Based on these rates, the proposed project would generate approximately 258 pounds per day of solid waste. As noted above, the Altamont Landfill has adequate capacity to serve the proposed project. As such, the project would be served by a landfill with sufficient capacity to accommodate the project's waste disposal needs. Furthermore, the project would comply with local and State waste reduction strategies. Therefore, impacts associated with the disposition of solid waste would be less than significant.

e. Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste? ***(Less Than Significant Impact)***

The proposed project would comply with all federal, State, and local solid waste statutes and/or regulations related to solid waste, including the City's construction and demolition debris waste reduction and recycling requirements, which requires preparation of a waste management plan for demolition and construction activities (also refer to Section 4.19.d). The proposed project would result in a less than significant impact related to solid waste regulations.

[61] California Department of Resources Recycling and Recovery (CalRecycle). 2019. SWIS Facility/Site Activity Details, Altamont Landfill & Resource Recovery (01-AA-0009). Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/7?siteID=7 (accessed September 2022).

4.20 WILDFIRE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

a. Would the project substantially impair an adopted emergency response plan or emergency evacuation plan? ***(Less Than Significant Impact)***

The project site is not located within any State Responsibility Area (SRA) for fire service[62] and is not within a very high fire hazard severity zone (VHFHSZ).[63] In addition, as noted in Section 4.9.f, the proposed project would not impair the implementation of, or physically interfere with, and adopted emergency response plan. Therefore, this impact would be less than significant.

b. Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? ***(Less Than Significant Impact)***

Refer to Section 4.20.a. Additionally, as noted in Chapter 2.0, Project Description, the project site is generally level and primarily surrounded by existing development. Therefore, the proposed project would not exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire, and this impact would be less than significant.

62 California Department of Forestry and Fire Protection (CAL FIRE). n.d. Fire Hazard Severity Zone Viewer. Website: https://egis.fire.ca.gov/FHSZ/ (accessed July 2023).

63 City of Hayward. 2014a. *Hayward 2040 General Plan Background Report*. January.

c. Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? ***(Less Than Significant Impact)***

Refer to Section 4.20.a. The proposed project is not located within an SRA for fire service and is not within a VHFHSZ. Therefore, the proposed project would not require the installation or maintenance of associated infrastructure, and this impact would be less than significant.

d. Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? ***(Less Than Significant Impact)***

Refer to Sections 4.20.a and 4.20.b. The project site is generally level and is not located within an SRA for fire service or a VHFHSZ. Therefore, the proposed project would not expose people or structures to significant risks as a result of post-fire slope instability or drainage and runoff changes.

4.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? ***(Less Than Significant with Mitigation Incorporated)***

Implementation of Mitigation Measures CUL-1a, CUL-1b and GEO-1 and compliance with Section 7050.5 of the California Health and Safety Code and PRC Section 5097.98 would ensure that potential impacts to historic, archaeological, tribal, and paleontological resources that could be uncovered during construction activities would be reduced to a less than significant level. Implementation of Mitigation Measures BIO-1 through BIO-3 would ensure that potential impacts to special-status species, including California red-legged frog and western pond turtle, and nesting birds and roosting bats are reduced to a less than significant level. Therefore, with the incorporation of mitigation measures, development of the proposed project would not: (1) degrade the quality of the environment; (2) substantially reduce the habitat of a fish or wildlife species; (3) cause a fish or wildlife species population to drop below self-sustaining levels; (4) threaten to eliminate a plant or animal community; (5) reduce the number or restrict the range of a rare or endangered plant or animal; or (6) eliminate important examples of the major periods of California history.

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? ***(Less Than Significant Impact)***

The proposed project's impacts would be individually limited and not cumulatively considerable. The potentially significant impacts that can be reduced to a less than significant level with implementation of recommended mitigation measures include the topics of air quality, biological resources, cultural resources, geology and soils, GHG emissions, hazards and hazardous materials, hydrology and water quality, and noise. These impacts would primarily be related to construction-period activities, would be temporary in nature, and would not substantially contribute to any potential cumulative impacts associated with these topics:

- **Air Quality:** Potentially significant impacts to air quality standards associated with project construction would be reduced to less than significant levels with implementation of Mitigation Measure AIR-1.

- **Biological Resources:** Implementation of Mitigation Measures BIO-1 through BIO-3 would ensure that impacts to special-status species, as well as nesting birds and roosting bats, are reduced to a less than significant level.

- **Cultural Resources:** Potentially significant impacts to archaeological resources would be reduced to less than significant levels with implementation of Mitigation Measure CUL-1a and CUL-1b.

- **Geology and Soils:** Potentially significant impacts related to geologic hazards and paleontological resources would be reduced to less than significant levels with implementation of Mitigation Measures GEO-1 and GEO-2.

- **GHG Emissions:** Potential significant impacts related to the generation of GHG emissions would be reduced to a less than significant level with implementation of Mitigation Measure GHG-1.

- **Hazards and Hazardous Materials:** Implementation of Mitigation Measures HAZ-1 and HAZ-2 would ensure that potential impacts associated with the release of hazardous materials, which could in turn degrade the quality of the environment, would be reduced to a less than significant level.

- **Hydrology and Water Quality:** Implementation of Mitigation Measures HYD-1 and HYD-2 would ensure that potential water quality impacts are reduced to a less than significant level.

- **Noise:** Implementation of Mitigation Measure NOI-1 would reduce construction impacts to a less than significant level.

For the topics of aesthetics, agricultural and forestry resources, land use and planning, mineral resources, population and housing, public services, recreation, transportation, utilities and service systems, and wildfire, the project would have no impacts or less than significant impacts; therefore,

the project would not substantially contribute to any potential cumulative impacts for these topics. All environmental impacts that could occur as a result of the proposed project would be reduced to a less than significant level through the implementation of the mitigation measures recommended in this document.

Implementation of these measures would ensure that the impacts of the project would be below established thresholds of significance and that these impacts would not combine with the impacts of other cumulative projects to result in a cumulatively considerable impact on the environment as a result of project development. Therefore, this impact would be less than significant.

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? ***(Less Than Significant Impact)***

The proposed project would not result in any environmental effects that would cause substantial direct or indirect adverse effects to human beings. As discussed in Section 4.9, Hazards and Hazardous Materials, implementation of Mitigation Measures HAZ-1 and HAZ-2 would ensure that the proposed project would not create a significant hazard that would cause substantial adverse effects on human beings. Therefore, this impact would be less than significant.

5.0 LIST OF PREPARERS

LSA Associates, Inc.
157 Park Place
Pt. Richmond, CA 94801

Theresa Wallace, AICP, Principal in Charge/Project Manager
Ashley Honer, Environmental Planner
Amy Fischer, Principal/Air Quality Specialist
Cara Cunningham, Associate/Air Quality Specialist
J.T. Stephens, Principal/Noise Specialist
Moe Abushanab, Noise Specialist
Holly Torpey, Senior GIS Specialist/Programmer
Patty Linder, Graphics and Production

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APPENDIX A

BIOLOGICAL RESOURCES ASSESSMENT

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CARLSBAD
FRESNO
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

March 3, 2021

William Frankel
22422 Rockaway LLC
205 De Anza Boulevard, Suite 42
San Mateo, California 94402

Subject: Biological Resource Assessment for Proposed 30-Unit Apartment Building
22422 Rockaway Lane, Hayward, Alameda County

Dear Mr. Frankel:

LSA submits this biological resource assessment for the proposed 30-unit apartment building located at 22422 Rockaway Lane in Hayward, Alameda County. The project will involve the construction of new building with associated driveways, parking, and outdoor lighting. The purpose of the assessment is to identify potentially significant biological resource constraints to development of the project site, especially those related to special-status species and sensitive habitats. This assessment is based on the review of data base searches, LSA's reconnaissance-level field survey, and LSA's project experience with biological resource issues in Hayward and Alameda County.

This analysis consists of the following elements: 1) a general description of the habitat types present on the project site; 2) identification of special-status species observed or potentially present on the project site; 3) a general assessment of sensitive habitats (including potential waters of the United States/waters of the State); 4) identification of potential project impacts that may be avoided or reduced under each of the California Environmental Quality Act (CEQA) Guidelines Checklist Questions; and 5) proposed mitigation/avoidance measures to reduce remaining impacts to a level of less than significant under CEQA.

METHODS

LSA Senior Biologist Dan Sidle conducted a reconnaissance-level survey of the project site on February 17, 2021, to evaluate the potential occurrence of special-status species and sensitive habitats on the site. Prior to conducting the survey, the LSA biologist reviewed available background information/literature, including the Natural Environment Study (NES) prepared for the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project (Caltrans 2014), and searched the California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (CNDDB; CDFW 2021), the Inventory of Rare and Endangered Plants (CNPS 2021), and the U.S. Fish and Wildlife Service's Information for Planning and Consultation (IPaC) on-line database (USFWS 2021) for occurrences of special-status plant and wildlife species on or adjacent to the project site. LSA surveyed the project site by walking throughout the site to search for biological resources such as the presence of special-status plants, animals, and their habitats, and sensitive habitats such as riparian habitat. The potential presence of special-status species was determined based on an evaluation of the habitat types present on the site and the CNDDB records and other occurrence information from the vicinity. During the field survey, Mr. Sidle also investigated the site for the

presence of waters of the United States/waters of the State (including adjacent wetlands) that would be subject to regulation under Section 404 of the Clean Water Act and/or the California Porter-Cologne Water Quality Control Act.

The scientific and vernacular nomenclature for the plant and wildlife species used in this analysis are from the following standard sources: plants, Baldwin et al. (2012) and updates listed on the Jepson Herbarium website (http://ucjeps.berkeley.edu/eflora/); amphibians and reptiles, Crother (2017) and/or AmphibiaWeb (www.amphibiaweb.org); birds, American Ornithologists' Union (1998) and supplements through 2018; and mammals, Bradley et al. (2014).

HABITAT/LAND COVER TYPES

The project site currently supports a grassland field. San Lorenzo Creek and its associated riparian woodland, and a Caltrans conservation easement occur along the northeastern boundary of the project site (see attached site plans). The project site is bounded to the southwest by Rockaway Lane and urban development, to the southeast by A Street, to the east and northeast by San Lorenzo Creek and the conservation easement, and to the northwest by a driveway and apartment building. Soils on the project site are mapped as Botella loam, 0 to 2 percent slopes, MLRA 14, which is a well-drained soil type (UC Davis SoilWeb 2021).

Non-Native Annual Grassland

The project site supports a non-native annual grassland field. Plant species observed consist of almost all non-native plant species, including wild oats (*Avena* sp.), ripgut brome (*Bromus diandrus*), Smilo grass (*Stipa miliacea*), wild radish (*Raphanus sativus*), bur clover (*Medicago polymorpha*), mallow (*Malva* sp.), cutleaf geranium (*Geranium dissectum*), red stemmed filaree (*Erodium cicutarium*), black mustard (*Brassica nigra*), Bermuda buttercup (*Oxalis pes-caprae*), Himalayan blackberry (*Rubus armeniacus*), and dandelion (*Taraxacum officinale*). Native miner's lettuce (*Claytonia perfoliata*) was observed in the field near the conservation easement area. A few ornamental plants were observed in the grassland near the retaining wall along the northwestern boundary adjacent to the apartment building. A small coast live oak (*Quercus agrifolia*) seedling is present along the fence in the northwestern corner of the site and a re-sprouted coast redwood (*Sequoia sempervirens*) stump is present near the center of the site. A few other old tree stumps also occur in the field.

San Lorenzo Creek and Riparian Woodland

San Lorenzo Creek and associated riparian vegetation occurs along the northeastern boundary of the project site. Plants observed within the riparian woodland include coast live oak, silver wattle (*Acacia dealbata*), California bay (*Umbellularia californica*), California buckeye (*Aesculus californica*), arroyo willow (*Salix lasiolepis*), coyote brush (*Baccharis pilularis*), stinging nettle (*Urtica dioica*), English ivy (*Hedera helix*), agave (*Agave* sp.), agapanthus (*Agapanthus* sp.), giant reed (*Arundo donax*), milk thistle (*Silybum marianum*), miner's lettuce, and other various trees and understory vegetation.

The conservation easement has been restored with native riparian plantings that were planted by Caltrans. Caltrans completed the planting of native riparian vegetation along the San Lorenzo Creek

riparian corridor, which has been placed in a conservation easement. Most of the easement is currently devoid of riparian plantings, but a few California sagebrush (*Artemisia californica*), California rose (*Rosa californica*), and coyote brush (*Baccharis pilularis*) plants were observed near the central portion of the conservation easement. The conservation easement also supports non-native grasses and forbs similar to those present within the project site's grassland field. A short chain-link fence separates the approximate northeast boundary between the project site and the easement. The portion of the conservation easement near the existing fenceline contains non-native grassland vegetation. One of the silver wattle trees near the creek appears to have recently fallen and branches were observed on the ground within the conservation easement and on top of the chain-link fence that separates the project site from the easement.

WILDLIFE

Wildlife species or wildlife sign observed within or adjacent to the project site during the field survey consisted of mallard (*Anas platyrhynchos*), Anna's hummingbird (*Calypte anna*), turkey vulture (*Cathartes aura*), American crow (*Corvus brachyrhynchos*), oak titmouse (*Baeolophus inornatus*), black phoebe (*Sayornis nigricans*), American robin (*Turdus migratorius*), song sparrow (*Melospiza melodia*), yellow-rumped warbler (*Setophaga coronata*), and fox squirrel (*Sciurus niger*). An old inactive stick nest was observed in one of the acacia trees within the conservation easement. Several additional wildlife species are expected to inhabit the site or the adjacent riparian corridor during various times of the year and therefore, the above list of species is not an exhaustive list of species that could occur at the site.

The project site and surrounding trees and shrubs provide suitable nesting habitat for several bird species. Birds could nest in the trees, shrubs, and/or structures on or adjacent to the site. Suitable habitat for ground-nesting birds may be present in the on-site grasslands, but ground nesting birds are unlikely to nest within the grassland due to its small size, its urban setting, and accessibility by people and urban predators, such as cats.

SPECIAL-STATUS SPECIES

For the purposes of this assessment, special-status species are defined as follows:

1. Species that are listed, formally proposed, or designated as candidates for listing as threatened or endangered under the federal Endangered Species Act (ESA);

2. Species that are listed, or designated as candidates for listing, as rare, threatened, or endangered under the California Endangered Species Act (CESA);

3. Plant species that are on the California Rare Plant Rank Lists 1A, 1B, and 2;

4. Animal species that are designated as Species of Special Concern or Fully Protected by CDFW; or

5. Species that meet the definition of rare, threatened, or endangered under Section 15380 of the CEQA guidelines.

Special-Status Plant Species

Several CNDDB occurrences of special-status plant species have been recorded within 5 miles of the project site (CDFW 2021) and Table A lists a few species that are known to occur nearby, but these species are not likely to occur within the development footprint due to disturbance caused from prior maintenance activities (i.e., mowing) on the site and the resulting introduction of non-native, invasive plant species. The proposed project will not impact San Lorenzo Creek, which is where native herbaceous plant species were observed and therefore has the higher potential for special-status plants to occur. The riparian corridor has been restored with common, native riparian trees, shrubs, forbs, and grasses as part of the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project, but due to prior disturbance, special-status plants are unlikely to occur. Additionally, the NES prepared for the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project, which evaluated the potential for special-status plants to occur within the project site's riparian corridor, states that no special-status plants are expected to occur within the riparian corridor due to the lack of suitable habitat. Based on the conditions observed during the reconnaissance survey, no protocol-level plant surveys are recommended within the development footprint.

Special-Status Animal Species

Several special-status animal species are known to occur in the vicinity and could occur at or near the project site. A discussion of these and other special-status animal species that have potential to occur on or in the vicinity of the site are included below:

- San Lorenzo Creek may provide suitable aquatic habitat for the California red-legged frog (*Rana draytonii*), but this species likely does not occur in the segment of the creek adjacent to the project site due to the isolation of this reach of the creek by urban development. The likely presence of introduced predators (i.e., western mosquitofish [*Gambusia affinis*] and American bullfrog [*Rana catesbeianus*]), and the absence of recorded observations in the site's proximity further make the site unsuitable for this species. The NES prepared for the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project (Caltrans 2014) also states this frog is unlikely to occur along this segment of San Lorenzo Creek. The closest CNDDB occurrence is approximately 3.7 miles from the site in Hollis Canyon.

- The western pond turtle (*Emys marmorata*) could occur along San Lorenzo Creek. Suitable basking sites and plunge pools were observed in the creek channel adjacent to the project and pond turtles could nest along the banks of the creek. Potential basking sites would be limited to the sunny areas of the creek with less canopy cover.

- The Central California Coast Distinct Population Segment of steelhead (*Oncorhynchus mykiss irideus*) is known to occur in San Lorenzo Creek (Leidy 2005). The segment of San Lorenzo Creek at the site is passage habitat and may support potential rearing habitat for juvenile steelhead and low-to-moderate quality spawning habitat and the woody debris and concrete riprap within the channel could provide cover for steelhead (Caltrans 2014). High water temperatures in the creek during the summer, however, could limit suitability of rearing habitat for juvenile steelhead (ACFCWCD & Hagar 2002 as cited in Caltrans 2014). The potential for migratory or

juvenile steelhead to be present within San Lorenzo Creek is very low due to the presence of a likely barrier to migration from the downstream concrete flood control channel and the lack of recent confirmed observations of steelhead (Caltrans 2014).

- American peregrine falcon (*Falco peregrinus anatum*), northern harrier (*Circus hudsonius*), golden eagle (*Aquila chrysaetos*), and tricolored blackbird (*Agelaius tricolor*) could briefly forage on or fly over the site but are unlikely to nest on the site due to the lack of suitable nesting habitat on or adjacent to the site. The field relatively small, is regularly mowed, and does not provide suitable vegetation and cover for northern harrier or tricolored blackbird nests. The trees on the site are situated within a residential neighborhood and are unlikely to support nesting golden eagles. No suitable nesting habitat is present for American peregrine falcon on or near the site.

- Although the field could provide suitable foraging habitat, no rodent burrows or other burrow sites suitable for burrowing owl (*Athene cunicularia*) were observed during the reconnaissance-level survey.

- White-tailed kite (*Elanus leucurus*) could nest in the trees or large shrubs on or adjacent to the site and could forage near the site. No white-tailed kites or stick nests were observed during the field survey, but this species could nest on or adjacent to the site in the future.

- Loggerhead shrike (*Lanius ludovicianus*) could nest in the trees and large shrubs on or adjacent to the site and forage near the site. No shrikes or shrike nests were observed during the field survey, but the site does provide suitable nesting habitat and therefore this species could nest on or adjacent to the site in the future.

- Townsend‘s western big-eared bat (*Corynorhinus townsendii townsendii*), western red bat (*Lasiurus blossevillii*), western mastiff bat (*Eumops perotis californicus*), and pallid bat (*Antrozous pallidus*) may forage over the on-site grassland field, but no roosting habitat is present in the field. Suitable roosting habitat, however, is present for western red bat, pallid bat, and other bat species within the riparian woodland adjacent to the site. No suitable roosting habitat for Townsend‘s western big-eared bat and western mastiff bat is present within the riparian woodland, but as stated above, these species could over forage above or near the site. The special-status western red bat along with Yuma myotis (*Myotis yumanensis*) and Mexican free-tailed bat (*Tadarida brasiliensis*), which are not considered special-status species, were detected at an area on the northern side of San Lorenzo Creek, north of the project site in August 2019 (Schulze 2019). Western red bats do not breed in the San Francisco Bay Area, but migrate to the region in the spring from March through May and in the fall from late August through October. A few non-breeding individuals, however, may remain within the area during the breeding season (Pierson et al. 2006). No evidence of roosting bats was observed during the survey, but trees suitable for western red bat and trees/snags with cavities suitable for cavity-roosting bats were observed along the San Lorenzo Creek riparian corridor.

SENSITIVE HABITATS

Waters of the United States/State

A potentially jurisdictional segment of San Lorenzo Creek occurs near the eastern boundary of the project site. The proposed project will not impact the creek. No other wetlands or waters of the United States/State that are potentially jurisdictional under Section 404 of the Clean Water Act or the Porter-Cologne Act were observed on the site during the field survey.

Riparian or Other Sensitive Natural Communities

CDFW tracks the occurrences of plant communities that are either known or believed to be of high priority for inventory in the CNDDB. In the most recent list of vegetation alliances/natural communities recognized in California, alliances with a NatureServe State ranking code of S1 through S3 are considered to be "highly imperiled" and impacts to "high-quality occurrences" of these communities may be considered significant under CEQA.

The vegetation along San Lorenzo Creek is considered riparian habitat and a sensitive natural community by CDFW. No other sensitive natural communities were identified during the field survey. The proposed project will not impact or remove any of the riparian vegetation along San Lorenzo Creek.

WILDLIFE NURSERY SITES

The project site includes a grassland field that does not support suitable habitat for wildlife nursery sites, including bird rookeries or roosting bat colonies. No evidence of roosting bats (i.e., guano, urine stains, droppings, odor) or bird rookeries were detected on or adjacent to the site during the field survey. However, birds could nest and bats could roost within the riparian woodland adjacent to the site.

WILDLIFE MOVEMENT CORRIDORS

The project site includes a fenced grassland field that does not provide a wildlife movement corridor. The adjacent San Lorenzo Creek and associated riparian woodland, however, do provide a wildlife movement corridor. The wildlife that currently move through this corridor are urban-adapted species, such as raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), Virginia opossum (*Didelphis virginiana*), black-tailed deer (*Odocoileus hemionus*), and various bird and other wildlife species. The proposed project will not impact San Lorenzo Creek and its associated riparian habitat and therefore, would not have a significant impact to the existing movement of wildlife through this corridor.

ORDINANCE-PROTECTED TREES

The project site contains a grassland field with no trees and therefore, does not contain any trees protected by the City of Hayward's tree ordinance. The small coast live oak seedling along the fence in the northwestern corner of the site and a re-sprouted coast redwood are not large enough to qualify as ordinance protected trees. Seedlings/re-sprouts are around an inch or less in diameter,

while the ordinance trees need to be a minimum 4 to 8 inches in diameter, depending on the species, to qualify as a protected tree.

HABITAT CONSERVATION PLANS

The project site is not located within the limits of a conservation plan and therefore would not conflict with any adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan.

RECOMMENDED AVOIDANCE MEASURES

LSA recommends the following specific avoidance measures be implemented to ensure impacts to biological resources are avoided/minimized:

Nesting Birds

The project shall avoid construction activities during the bird nesting season (February 1 through August 31). If construction activities are scheduled during the nesting season, a qualified biologist shall conduct a pre-construction survey of all suitable nesting habitat (i.e., field, trees, shrubs, structures) within 250 feet of the project site (where accessible). The pre-construction survey shall be conducted no more than 14 days prior to the start of work. If the survey indicates the presence of nesting birds, protective buffer zones shall be established around the nests as follows: for raptor nests, the size of the buffer zone shall be a 250-foot radius centered on the nest; for other birds, the size of the buffer zone shall be a 50- to 100-foot radius centered on the nest. In some cases, these buffers may be increased or decreased depending on the bird species and the level of disturbance that will occur near the nest.

Roosting Bats

A qualified biologist shall conduct a pre-construction survey for roosting bats at all suitable bat roosting habitat (i.e., adjacent trees) within the project area within 14 days prior to the beginning of project-related activities. If active bat roosts are discovered or if evidence of recent prior occupation is established, a buffer shall be established around the roost site until the roost site is no longer active. Before any construction activities begin in the vicinity of the identified bat roosts on the project site, a qualified biologist shall conduct a training session for all construction personnel. At a minimum, the training shall include a description of the bats and their habitat, the specific measures that are being implemented to conserve the bat roosts for the current project, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session.

California Red-legged Frog and Western Pond Turtle

The following avoidance measures are recommended for California red-legged frog and western pond turtle:

- Prior to the commencement of construction activities, a qualified biologist shall conduct a training session for all project personnel to provide an overview on the California red-legged

frog and western pond turtle, applicable regulatory policies and provisions regarding their protection, and the avoidance and minimization measures to be followed to protect the species.

- The contractor, in coordination with the biologist, shall install exclusionary fencing along the outer perimeter of the riparian corridor setback. The fencing shall be heavy-duty silt-fence or similar material and be buried a minimum of 6 inches so that frogs, turtles, and other animals cannot crawl under the fence and shall be inspected and maintained throughout the construction period.

- A qualified wildlife biologist shall monitor all construction activities within suitable habitat daily during initial ground-disturbing activities, including grading, excavation, and vegetation removal.

- If a California red-legged frog, western pond turtle, or other special-status amphibians and reptile species is observed during project activities, all work that may result in disturbance, injury, or mortality to the individual animal shall cease. The contractor shall notify the biologist, who shall in turn contact the project team, CDFW, and/or USFWS.

Special-Status Plants

No special-status plants are likely to be present on the project site due to the lack of suitable natural habitat and prior disturbance at the site. The project site appears to have been graded in the past, is regularly mowed, and has been colonized by introduced non-native plant species. The proposed project will not impact the San Lorenzo Creek or its riparian woodland, which may provide suitable habitat for special-status plant species. Additionally, the NES prepared for the Hayward Riparian Mitigation State Route 84 Pigeon Pass Realignment Project, which evaluated the potential for special-status plants to occur within the project site's riparian corridor, states that no special-status plants are expected to occur within the riparian corridor due to the lack of suitable habitat (Caltrans 2014). No protocol-level plant surveys are recommended.

San Lorenzo Creek and Riparian Woodland

The riparian woodland corridor associated with San Lorenzo Creek is considered sensitive habitat by CDFW and under CEQA. The riparian corridor will be protected by an established riparian corridor setback as shown on the site plan (see attached). A 20-foot-wide no-build buffer zone has been established from the top of bank of San Lorenzo Creek (Caltrans 2014). The proposed project will not remove any riparian woody vegetation.

LSA recommends that silt/exclusion fencing be installed along the edge of the riparian woodland setback to both avoid potential impacts to the riparian corridor, creek channel, steelhead, and other aquatic species, and to deter special-status species, such as western pond turtle and California red-legged frog, if present, from accessing the construction area. The fence and should be inspected and maintained throughout the construction period.

PROJECT DESIGN RECOMMENDATIONS

The design of the project could impact wildlife that inhabit the adjacent creek and riparian woodland. Recommendations for project design that should be implemented in order to reduce to potential impacts to wildlife include the following:

Lighting

The apartment building will likely include the construction of new outdoor lighting and this lighting could impact the riparian corridor if it is directed toward the creek. The project site is situated in an urban area with lighting present along the adjacent roads, but nonetheless, any new lighting around the building should be directed away from San Lorenzo Creek and the riparian corridor.

Windows

The apartment building should be designed to avoid potential strikes by birds. Non-reflective window glass should be installed to deter birds from accidentally striking the windows.

Please contact me at (510) 236-6810 or dan.sidle@lsa.net if you have questions and/or require further information regarding this biological analysis.

LSA ASSOCIATES, INC.

Sincerely,

Dan Sidle
Associate/Senior Biologist

Attachments: Table A: Special-Status Species Evaluated for the Project
Site Plan

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Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Plants			
Santa Cruz tarplant *Holocarpha macradenia*	FT/SE/1B	Occurs in sandy-clay soil in coastal prairie, coastal scrub, and in valley and foothill grassland. Elevation: 10-220 m. Blooms: June-October.	No suitable habitat present. Grasslands on the project site are highly disturbed, appear to have been previously graded, are regularly mowed, and colonized by introduced non-native plants.
Alkali milk-vetch *Astragalus tener* var. *tener*	–/1B	Occurs in alkaline soils in grasslands usually associated with vernal pools. Elevation unknown. Blooms March-June.	No suitable habitat present.
Big-scale balsamroot *Balsamorhiza macrolepis* var. *macrolepis*	–/1B	Occurs in open grassy or rocky slopes, valleys, sometimes serpentinite in chaparral, cismontane woodland, and valley and foothill grassland. Elevation: generally <= 1400 m. Blooms: March-July	No suitable habitat present.
Fragrant fritillary *Fritillaria liliacea*	–/1B	Occurs often on serpentine; various soils reported though usually clay, in grassland in coastal scrub, valley and foothill grassland, coastal prairie, and cismontane woodland. Elevation: 5-230 m. Blooms: February-April	No suitable habitat present.
Diablo helianthella *Helianthella castanea*	–/1B	Occurs in open, grassy sites, usually rocky, axonal soils in partial shade in broadleafed upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland. Elevation: 200--1300 m. Blooms: April-June	No suitable habitat present.
Fish			
Steelhead - Central California Coast Distinct Population Segment *Oncorhynchus mykiss irideus*	FT/–	Coastal streams from Russian River south to Aptos Creek (Santa Cruz Co.); includes streams tributary to San Francisco and San Pablo Bays.	San Lorenzo Creek is known to support steelhead (Leidy 2005). Segment of San Lorenzo Creek adjacent to the project site supports suitable spawning, rearing, and migration habitat, but segments downstream of the site supports poor quality habitat with potential barriers to migration (NOAA 2005).

Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Delta smelt *Hypomesus transpacificus*	FT/SE/–	Only found in estuarine waters from the Sacramento-San Joaquin confluence to San Pablo Bay. Usually found in water with an average salinity concentration of 2 parts per thousand for much of its life cycle, but can tolerate a wide range of salinities and moves into river channels and tidally influenced backwater sloughs.	No suitable habitat present. No CNDDB records within 5 miles of the site.
Invertebrates			
San Bruno elfin butterfly *Callophrys mossii bayensis*	FE/–	Known to occur only on slopes of the coastal mountains in San Mateo County. Lays eggs on the larval host plant stonecrop (*Sedum spathulifolium*).	Project site is outside the known range of the species. No CNDDB records within 5 miles of the site.
Vernal pool fairy shrimp *Branchinecta lynchi*	FT/–	Inhabits vernal pools and swales during all stages of its life cycle.	Project site is outside the known range of the species. No CNDDB records within 5 miles of the site.
Amphibians			
California red-legged frog *Rana draytonii*	FT/SSC	Found in lowlands and foothills in or near permanent ponds and streams with dense, shrubby, or emergent riparian vegetation.	Habitat may be present in San Lorenzo Creek, but likely not present due to its urban setting and the likely presence of introduced predators. Closest CNDDB occurrence is approximately 3.7 miles from the site in Hollis Canyon.
Foothill yellow-legged frog (Central Coast Genetic Clade) *Rana boylii*	–/CE	Partly shaded streams with rocky or cobbly substrate that flow at least to May.	Suitable habitat may be present in San Lorenzo Creek, but species is likely no longer present. Closest CNDDB occurrence is a possibly extirpated 1960 record at unknown location in Hayward.
California tiger salamander *Ambystoma californiense*	FT/ST	Spends most of its life in underground burrows. Breeds in vernal pools and ponds, including cattle stock ponds. Breeds after the first rains in late fall and early winter, when the wet season allows the salamander to migrate to the nearest pond, a journey that may be over 1 mile and take several days. Lays eggs in small clusters or singly, which hatch after 14 to 21 days. The pools must hold water for a minimum of 12 weeks for the larvae to successfully metamorphose into their terrestrial form.	Although upland habitat is present within the grasslands, no suitable breeding habitat present in the project vicinity. Site's location within an urban setting surrounded by development limits the potential to occur on the site. No CNDDB occurrences within 5 miles of the project site.

Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Reptiles			
Western pond turtle *Emys marmorata*	–/SSC	Found in ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Requires basking sites and adjacent grasslands or other open habitat for egg-laying.	Suitable habitat with basking sites and plunge pools present in San Lorenzo Creek. No CNDDB occurrences within 5 miles of the project site.
Coast horned lizard *Phrynosoma blainvillii*	–/SSC	Found in open sunny habitats including grasslands, scrub, and open woodlands that support native ant populations.	No suitable habitat present. No CNDDB occurrences within 5 miles of the project site.
Alameda whipsnake *Masticophis lateralis euryxanthus*	FT/ST	Chaparral and sage scrub with rock outcrops and an abundance of prey species such as western fence lizard (*Sceloporus occidentalis*).	Not likely to occur due to lack of chaparral, the project site's urban setting, and the site's isolation from occupied habitat east of the site. Closest CNDDB occurrence is approximately 2.1 miles from the site.
Birds			
White-tailed kite *Elanus leucurus*	–/CFP	Nests in shrubs and trees in open areas and forages in adjacent grasslands and agricultural land.	Suitable nesting habitat present in the trees on and adjacent to the site, but limited foraging habitat present in the grasslands. No CNDDB occurrences within 5 miles of the project site.
Northern harrier *Circus hudsonius*	–/SSC	Nests and forages in meadows, grasslands, open rangeland, and fresh or saltwater marshes.	Although grassland is on the site, this raptor is unlikely to occur due to the site's lack of cover within the grasslands and the grasslands relatively small size. No CNDDB occurrences within 5 miles of the project site.
Golden eagle *Aquila chrysaetos*	–/CFP	Forages in rolling foothill or coast-range terrain, with open grassland and scattered large trees. Nests in large trees, on cliffs, and occasionally on power line poles.	Grasslands provide limited foraging habitat. Eucalyptus trees near the site unlikely to provide nesting habitat, due to the site's urban setting. No large stick nests observed during the field survey. Closest CNDDB occurrence is approximately 4.3 miles from the site in Hayward.
American peregrine falcon *Falco peregrinus anatum*	Delisted/ Delisted/ CFP	Forages in open country, mountains, and sea coasts. Nests on high cliffs, bridges, and buildings.	No suitable nesting habitat present, grasslands likely too small to provide suitable foraging habitat. Species could briefly fly or forage over the site.

Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Long-eared owl *Asio otus*	–/SSC	Woodlands and forests that are open or adjacent to grasslands, meadows, or shrublands.	Suitable nesting habitat present in riparian woodland, but limited foraging habitat and the site's urban setting likely precludes this species from occurring near the site. Species is rare in this part of the County (Golden Gate and Ohlone Audubon Society 2011). No CNDDB occurrences within 5 miles.
Burrowing owl *Athene cunicularia*	–/SSC	Nests in burrows in grasslands and woodlands; often associated with ground squirrels. Will also nest in artificial structures (culverts, concrete debris piles, etc.).	May forage in the grasslands on the project site, but no suitable burrow sites present. Closest CNDDB occurrence is approximately 3.8 miles from the project site.
California Ridgway's rail *Rallus longirostris obsoletus*	FE/–	Occurs in salt marshes and tidal sloughs. Requires tidal mudflats for foraging habitat. Prefers cordgrass (*Spartina* sp.) for cover and nesting but can be occasionally found in bulrush and cattails.	No suitable habitat present. Closest CNDDB occurrence is approximately 4.2 miles from the site.
California black rail *Laterallus jamaicensis coturniculus*	–/ST, SFP	Salt marshes bordering larger bays, also found in brackish and freshwater marshes.	No suitable habitat present. Closest CNDDB occurrence is approximately 4.7 miles from the site.
Western snowy plover *Charadrius nivosus nivosus*	FT/–	Nests in riparian systems along the broad lower flood-bottoms of larger river systems; requires dense riparian vegetation.	No suitable habitat present. Closest CNDDB occurrence is approximately 4.4 miles from the site.
California least tern *Sterna antillarum browni*	FE/SE/CFP	Nest on the ground on sandy beaches, alkali flats, hard-pan surfaces (salt ponds).	No suitable habitat present. No CNDDB occurrences within 5 miles of the project site.
Loggerhead shrike *Lanius ludovicianus*	–/SSC	Found in grasslands and open shrub or woodland communities. Nests in dense shrubs or trees and forages in scrub, open woodlands, grasslands, and croplands. Frequently uses fences, posts, and utility lines as hunting perches.	Could forage in the grasslands and nest in the trees and shrubs on or adjacent to the site. No CNDDB occurrences within 5 miles of the project site.
Vaux's swift *Chaetura vauxi*	–/SSC	Grasslands and agricultural fields; nests in dense vegetation in large hollow trees near open water; forages in most habitats but prefers rivers and lakes.	Suitable foraging habitat present and suitable nesting habitat may be present within trees near the site. No CNDDB occurrences recorded within 5 miles of the project site.

Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Bank swallow *Riparia riparia*	–/ST	Occurs in riparian habitat; nests in banks associated with streams, rivers, and lakes.	Suitable habitat may be present along San Lorenzo Creek, but species is rare in this part of the County (Golden Gate and Ohlone Audubon Society 2011). No CNDDB occurrences recorded within 5 miles of the project site.
Olive-sided flycatcher *Contopus cooperi*	–/SSC	Coniferous forests with open canopies.	Suitable nesting and foraging habitat present in conifer trees near the site. No CNDDB occurrences recorded within 5 miles of the project site.
Purple martin *Progne subis*	–/SSC	Occurs in woodlands; nests in tree snags and abandoned woodpecker cavities and human-made structures.	Suitable nesting habitat may be present in riparian woodland, but species is rare in the County (Golden Gate and Ohlone Audubon Society 2011). No CNDDB occurrences within 5 miles.
Grasshopper sparrow *Ammodramus savannarum*	–/SSC	Occurs in grasslands with coyote brush and other shrubs.	No suitable habitat present due to small size of grassland field and lack of shrubs. No CNDDB occurrences recorded within 5 miles of the site.
Tricolored blackbird *Agelaius tricolor*	–/SE, SSC	Nests in dense vegetation near open water, forages in grasslands and agricultural fields.	No suitable nesting habitat present, could forage in grasslands. No CNDDB occurrences within 5 miles of the project site.
Yellow warbler *Setophaga petechia*	–/SSC	Riparian woodland; nests in dense shrubs or small trees (e.g., willows).	May briefly migrate through the riparian corridor adjacent to the site, but not known to nest in the vicinity (Golden Gate and Ohlone Audubon Society 2011). Closest CNDDB occurrence is approximately 2.5 miles from the site in Cull Creek.
Mammals			
Townsend's western big-eared bat *Corynorhinus townsendii townsendii*	–/SSC	Found in wooded areas with caves or old buildings for roost sites.	No suitable roosting or hibernating habitat present. No CNDDB occurrences within 5 miles of the project site.
Western mastiff bat *Eumops perotis californicus*	–/SSC	Roosts in crevices in cliff faces, high buildings, trees and tunnels within open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral.	No suitable roosting or hibernating habitat present on the site, but species could forage on the site. Suitable roost trees with large cavities or hollows may be present adjacent to the site, but species is unlikely to roost in this urban setting. Closest CNDDB occurrence is an 1899 record from an unknown location in Hayward.

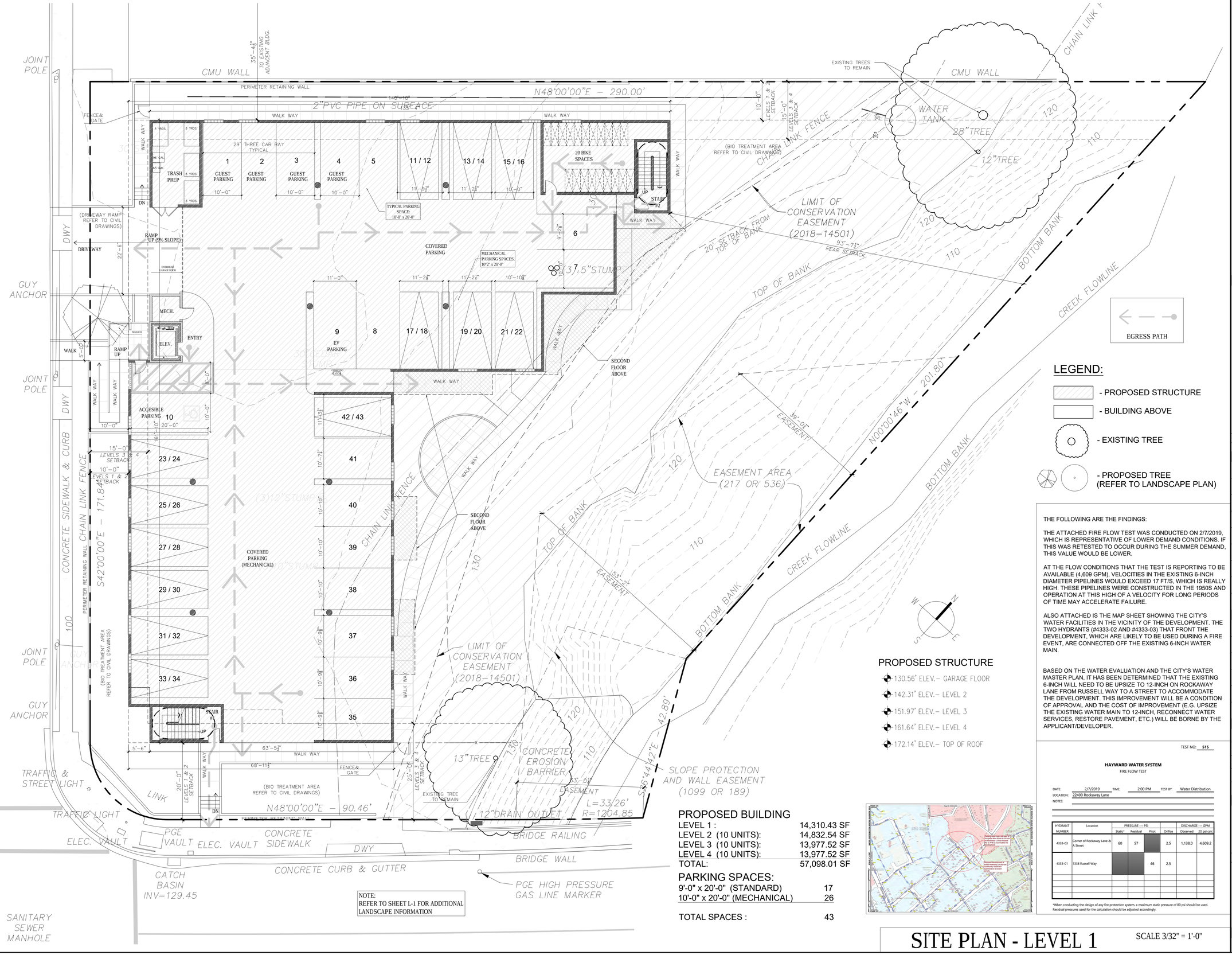
Table A: Special-Status Species Evaluated for the Project Site

Species	Status (Federal/ State)	Habitat	Potential for Occurrence[a]
Western red bat *Lasiurus blossevillii*	–/SSC	Roosts primarily in trees, 2-40 feet above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	Suitable roosting present in trees along or near riparian habitat. Species does not breed in the region. Species detected near San Lorenzo Creek and grasslands north of site in August 2019 (Schultz 2019). No CNDDB occurrences recorded within 5 miles of the project site.
Pallid bat *Antrozous pallidus*	–/SSC	Occupies a wide variety of habitats at low elevations. Most commonly found in open, dry habitats with rocky areas for roosting.	Suitable roosting or hibernating habitat present within trees on or adjacent to the site. Trees with large cavities or hollows observed on and adjacent to the site. Closest CNDDB occurrence is from a specimen collected at an unknown location in Hayward.
Salt marsh harvest mouse *Reithrodontomys raviventris*	FE/SE, CFP	Tidal salt marshes of San Francisco Bay and its tributaries; requires tall, dense pickleweed for cover.	No suitable habitat present. Closest CNDDB occurrence is approximately 3.9 miles from the site.
San Francisco dusky-footed woodrat *Neotoma fuscipes annectens*	–/SSC	Primarily along riparian areas within chaparral and woodlands. Feeds mainly on woody plants but also eats acorns, grasses, and fungi. Builds conspicuous stick houses in trees and on the ground.	No suitable habitat present on the site, but could occur within the adjacent riparian woodland. No woodrat houses observed during the field survey. Closest CNDDB occurrence is approximately 3.6 miles from the site.

[a] Nearest records are based on CNDDB (CDFW 2021) occurrences unless otherwise noted.

Status Codes:

FE = Federally listed as an endangered species.
FT = Federally listed as a threatened species.
SE = State-listed as an endangered species.
ST = State-listed as a threatened species.
CE = State-listed as a candidate endangered species.
CFP = State-listed as a fully protected species.
SSC = State Species of Special Concern.
List 1B = CRPR: plant considered rare, threatened, or endangered in California and elsewhere.
– = No status.



NOTE:
REFER TO SHEET L-1 FOR ADDITIONAL LANDSCAPE INFORMATION

PROPOSED STRUCTURE

- 130.56' ELEV.– GARAGE FLOOR
- 142.31' ELEV.– LEVEL 2
- 151.97' ELEV.– LEVEL 3
- 161.64' ELEV.– LEVEL 4
- 172.14' ELEV.– TOP OF ROOF

PROPOSED BUILDING

LEVEL 1 :	14,310.43 SF
LEVEL 2 (10 UNITS):	14,832.54 SF
LEVEL 3 (10 UNITS):	13,977.52 SF
LEVEL 4 (10 UNITS):	13,977.52 SF
TOTAL:	57,098.01 SF

PARKING SPACES:

9'-0" x 20'-0" (STANDARD)	17
10'-0" x 20'-0" (MECHANICAL)	26
TOTAL SPACES :	43

THE FOLLOWING ARE THE FINDINGS:

THE ATTACHED FIRE FLOW TEST WAS CONDUCTED ON 2/7/2019, WHICH IS REPRESENTATIVE OF LOWER DEMAND CONDITIONS. IF THIS WAS RETESTED TO OCCUR DURING THE SUMMER DEMAND, THIS VALUE WOULD BE LOWER.

AT THE FLOW CONDITIONS THAT THE TEST IS REPORTING TO BE AVAILABLE (4,609 GPM), VELOCITIES IN THE EXISTING 6-INCH DIAMETER PIPELINES WOULD EXCEED 17 FT/S, WHICH IS REALLY HIGH. THESE PIPELINES WERE CONSTRUCTED IN THE 1950S AND OPERATION AT THIS HIGH OF A VELOCITY FOR LONG PERIODS OF TIME MAY ACCELERATE FAILURE.

ALSO ATTACHED IS THE MAP SHEET SHOWING THE CITY'S WATER FACILITIES IN THE VICINITY OF THE DEVELOPMENT. THE TWO HYDRANTS (#4333-02 AND #4333-03) THAT FRONT THE DEVELOPMENT, WHICH ARE LIKELY TO BE USED DURING A FIRE EVENT, ARE CONNECTED OFF THE EXISTING 6-INCH WATER MAIN.

BASED ON THE WATER EVALUATION AND THE CITY'S WATER MASTER PLAN, IT HAS BEEN DETERMINED THAT THE EXISTING 6-INCH WILL NEED TO BE UPSIZE TO 12-INCH ON ROCKAWAY LANE FROM RUSSELL WAY TO A STREET TO ACCOMMODATE THE DEVELOPMENT. THIS IMPROVEMENT WILL BE A CONDITION OF APPROVAL AND THE COST OF IMPROVEMENT (E.G. UPSIZE THE EXISTING WATER MAIN TO 12-INCH, RECONNECT WATER SERVICES, RESTORE PAVEMENT, ETC.) WILL BE BORNE BY THE APPLICANT/DEVELOPER.

TEST NO: 515

HAYWARD WATER SYSTEM
FIRE FLOW TEST

DATE: 2/7/2019 TIME: 2:00 PM TEST BY: Water Distribution
LOCATION: 22400 Rockaway Lane
NOTES:

HYDRANT NUMBER	Location	PRESSURE --- PSI				DISCHARGE --- GPM	
		Static*	Residual	Pitot	Orifice	Observed	20 psi calc
4333-03	Corner of Rockaway Lane & A Street	60	57		2.5	1,138.0	4,609.2
4333-01	1338 Russell Way			46	2.5		

*When conducting the design of any fire protection system, a maximum static pressure of 80 psi should be used. Residual pressures used for the calculation should be adjusted accordingly.

SITE PLAN - LEVEL 1

SCALE 3/32" = 1'-0"

PROPOSED 30 UNIT APARTMENT

22422 ROCKAWAY LN
HAYWARD, CALIFORNIA

NAME
OWNER

A.P.N. #: 415-0230-078-00

REVISION NO:	BY:

ISSUED FOR:

DATE:
JOB NO:
SCALE:
DRAWN BY:
FILE:

SITE PLAN AT LEVEL 1

INDEX:

A1.0

SHEET NO:

APPENDIX B

ARBORIST REPORT

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Traverso Tree

March 22, 2021 (updated 10/5/22)

William Frankel
650-573-7333 | william@savemypad.com

Re: Revised Arborist Report for 22422 Rockaway Lane, Hayward

Dear William,
This arborist report addresses the proposed 30-unit multi-family housing development at 22422 Rockaway Lane. I reviewed the survey by DMG Engineering, Inc. dated 10/3/18 and the most recent site plan provided to me on 3/16/21 (no date or designer info). Five trees are included in this report, four of which have been cut down and the last partially cut down (Figure 1).

Figure 1. The most recent Google Street View capture (April 2019) shows trees #1-4 before they were removed.

Per request, the 10/5/22 revision only updates the Tree Mitigation Summary Chart on page 6, no other changes were made.

Assumptions & Limitations
The trees had been removed before my site visit to varying degrees. Diameters were determined via direct measurement at 54" above grade (where the trunks were still on site), measurements of the stump, or pulled from the 2018 survey. Tree health and structure was assumed to be perfect per city request (revised 7/7/21).

Tree Inventory & Assessment Table

#s: Each tree was assigned a number between #1-5, corresponding to their location on the tree protection plan.
DBH (Diameter at Breast Height): Trunk diameters in inches were measured at 4.5' above average grade with a diameter tape wherever feasible; otherwise they were measured at the stump or derived from the survey.

HT (Height): Typically visually estimated, but all trees had been fully or partially felled.

Health & Structural Condition Rating
Dead: Dead or declining past chance of recovery.
Poor: Stunted or declining canopy, poor foliar color, possible disease or insect issues. Severe structural defects that may or may not be correctable. Usually not a reliable specimen for preservation.
Fair: Fair to moderate vigor. Minor structural defects that can be corrected. More susceptible to construction impacts than a tree in good condition.
Good: Good vigor and color, with no obvious problems or defects. Generally more resilient to impacts.
Very Good: Exceptional specimen with excellent vigor and structure. Unusually nice.

Dripline Radius: Canopy radius is typically visually estimated in each cardinal direction – all trees were on the ground, so no estimates were made.

DE: Dripline Encroachment (X indicates encroachment)
CI: Anticipated Construction Impact (L = Low, M = Moderate, H = High)

#	Species	Trunk diameter	HT	Health	Structure	Dripline Radius	DE	CI	Notes	Recommendations
1	Black walnut (*Juglans hindsii*)	14", 14", 14" (from survey)	-	Good	Good	-	X	H	Previously topped at 4' with 3 competing vertical trunks. Clearance pruned from high-voltage lines. 18" obtained from 32" per 2019 Google Street View capture (Figure 2).	Remove. (already removed)
2	Privet (*Ligustrum lucidum*)	4" & 3" (at base)	-	Good	Good	-	X	H	2 trees, count as 1 (functionally same canopy). Multiple stems at 4'. Per Google Street View capture, trunk size appears similar at 4.5'.	Remove. (already removed)
3	Black locust (*Robinia pseudoacacia*)	9" & 12" (at base)	-	Good	Good	-	X	H	Measured at base, which is most narrow section (would normally be measured at this height). Co-dominant trunks; one trunk splits again at 4'.	Remove. (already removed)
4	Black locust (*Robinia pseudoacacia*)	13.5" & 11.5"	-	Good	Good	-	X	H	Was able to measure at 4.5' due to remaining brush. Co-dominant trunks down to base; appears to be partially fused at 5' before splitting.	Remove. (already removed)
5	Black locust (*Robinia pseudoacacia*)	18" & 13"	-	Good	Good	-	X	H	Trunk measured at 4.5' above grade. Co-dominant trunk broke off long time ago leaving large wound in trunk. Remaining trunk had co-dominant stems with poor attachments & previous failures. Felled and left in place with brush.	Remove. (already felled)

Discussion

The site is currently undeveloped, with minimal large vegetation. The conservation easement along the creek is separated from the rest of the property by a short chain-link fence, which follows the easement limit to the north but extends further away to the south. The proposed project will impact the entire area west of the conservation easement, requiring the removal of all trees included in this report. Trees #1-4 are already removed, though some of the trunk wood of trees #3 & 4 remain on site (Figure 2). Tree #5 was partially felled, with a tall standing trunk and branches left in place where they were felled. Given its proximity to the proposed apartment building, it would have been subject to high encroachment and would need to be removed.

Figure 2. Portions of the trunk of tree #3 (background/top) were left in place, but not enough to directly measure the trunks. Both trunks of tree #4 (foreground) were on the ground right where they were felled, and diameter measurement where the trunk would be 54" above grade was possible.

Since the existing chain-link fence will need to be taken down for construction, a new temporary 6' tall chain-link fence shall be installed along – or just outside – the limit of the conservation easement as indicated on the tree protection plan that accompanies this report. The fencing must be attached to steel posts driven into the ground to minimize the likelihood of encroaching upon the remaining trees in the easement. As long as the fencing remains in place, the trees along the creek bank should not be affected by the construction.

Tree Protection Recommendations (to be printed on site plans)

- Remove tree #5.
- Prior to construction or grading, contractor shall install 6' chain-link fencing to construct a temporary Tree Protection Zone (TPZ) along the proposed development or limit of conservation easement as indicated on the tree protection plan. Fencing shall be attached to steel posts driven into the ground; movable footings are not sufficient.
- TPZ fencing shall remain in an upright sturdy manner from the start of grading until the completion of construction. Fencing shall not be adjusted or removed without consulting the project arborist.
- Should Tree Protection Zone (TPZ) encroachment be necessary, the contractor shall contact the project arborist for consultation and recommendations.
- Contractor shall keep TPZs free of all construction-related materials, debris, fill soil, equipment, etc. The only acceptable material is mulch spread out beneath the trees.
- Should any damage to the trees occur, the contractor shall promptly notify the project arborist to appropriately mitigate the damage.

Tree Appraisal

Per city ordinance, appraisals are required for all protected trees whose driplines will be encroached. The following appraised values were determined using the Trunk Formula Method, used for larger trees that cannot be readily replaced by equal-sized specimens. All figures below were calculated using a worksheet formatted from *The Guide for Plant Appraisal (10th Edition)* written by the Council of Tree & Landscape Appraisers. Trunk unit cost was adapted from the *Species Classification and Group Assignment Guide* from the Western Chapter of the International Society of Arboriculture.

The Basic Reproduction Cost is the reference cost of growing a new tree to the size of the subject trees, assuming it is a perfect specimen, perfectly adapted to the location, with no health or structural defects. This cost is reduced accordingly based on the condition of the subject trees, as well as limitations that further affect the growth of the tree and its suitability for this specific site (including but not limited to: species issues, streets and driveways, power lines, lack of irrigation). Variations from standard process, such as how tree size, health and condition were evaluated, are noted under the "Comments" column.

Figure 3. (top) The stump of tree #1 was oblong due to the trunk flare, much larger than the trunk above. I used the survey diameter for my appraisals.

(bottom) tree #5 was partially felled in place, so its health, structure, and diameter could be directly evaluated from the brush and wood.

From the Landscape Punchlist #1, b) …"If the size of the Protected Tree cannot be determined due to the unauthorized removal of a Protected Tree, the size shall be determined by measuring the stump that remains or may be determined by anecdotal evidence or interpolated from photographs or adjacent trees. A missing Protected Tree shall be assumed to have been in perfect health, unless the property owner can prove otherwise by photo or other verifiable evidence." My methods are explained below:

- **Diameter Determination:** Diameter was determined from the survey, stump, or remaining trunks on site. Diameter of tree #1 was taken from the survey since the root flare of the walnut at the stump is significantly larger than trunk at 54" above grade (Figure 3, top).
- **Health Assessment:** I assumed all health to be perfect per city request.
- **Structure assessment:** I assumed all structure to be perfect per city request.

#	Species	DBH	Basic Reproduction Cost	Species Rating*	Condition	Functional limitations	External limitations	Depreciated Reproduction Cost	Comments
1	Black walnut	14, 14, 14	$21,431.50	50%	100%	85%	65%	$11,800.00	DBH = diameter from survey
2	Privet	4, 3	$892.61	30%	100%	75%	70%	$470.00	DBH = stump diameter
3	Black locust	9, 12	$13,614.12	10%	100%	70%	50%	$4,760.00	DBH = stump diameter
4	Black locust	13.5, 11.5	$18,530.33	10%	100%	70%	50%	$6,500.00	DBH = measured trunks where they would be 54" above grade (wood is still in place)
5	Black locust	18, 13	$29,285.49	10%	100%	70%	50%	$10,200.00	DBH = measured trunks at 54" (tree still standing). Note – I originally accidentally used 15" instead of 13" in trunk calculation, hence drop in Basic Reproduction Cost.
Total Estimated Value of Appraised Trees								$33,730.00	

7/7/21 revision note: *Species Rating is included in the table above per City request, however, this factor is not used in the latest (10th) edition of *The Guide for Plant Appraisal* and is not used in my estimate of appraised value. The Species Rating was last used in the 9th edition, which is no longer accepted by the City. The depreciation provided by the Species Rating is now incorporated into the Functional Limitations. The 10th edition explicitly discusses this on page 64.

Tree Mitigation Summary Chart (updated 10/5/22)
This chart was provided by William Frankel.

Required Trees	Required tree quantity/size/ installed unit cost	Proposed tree quantity/size/ installed unit cost	Unit Cost Difference (Proposed size-required size)	MITIGATION VALUE	Project Notes
Street Trees	(#11)/ 24" box @ $300.00	(#1)/48" box @ $1500ea	-$1,800.00	($1,800.00)	292 linear feet of frontage--trees @ 20 - 40 LF o.c. = 7.3 to 14.7 trees
Parking Lot Trees	0	0 (no parking lot)	$0.00	$0.00	tuckunder parking--no parking lot
Screening Trees (at N PL)	0	0	$0.00	$0.00	planting space restricted, utilities
Additional Trees for Mitigation (creekside)	0	(#5)/36" box @ $750ea	$3,750.00	$3,750.00	
	0	(#1/ 60" box @ $3000 ea	$3,000.00	$3,000.00	
			TOTAL	$4,950.00	
		* From Arborist Report	**MITIGATION GOAL***	$33,730.00	
			BALANCE	$28,780.00	

Thank you for the opportunity to provide this assessment, and please let me know if you have any questions.

Please see attached tree protection plan.

Sincerely,

Jennifer Tso
Certified Arborist #WE-10270A
ISA Tree Risk Assessor Qualified

Figure 4. Closer look at removed trees from Google Street View April 2019.

Right: Tree #1
Below: Trees #2-4

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APPENDIX C

GEOTECHNICAL INVESTIGATION

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GEOTECHNICAL INVESTIGATION
FOR PROPOSED
NEW APARTMENT COMPLEX

at the

Rockaway Lane Property

22422 Rockaway Lane

Hayward, California

Report Prepared for:

Habitat

Report Prepared by:

GeoForensics, Inc.

March 2019

GEOFORENSICS INC. **Consulting Soil Engineering**

303 Vintage Park Drive, Suite 220, Foster City, CA 94404 Phone: (650) 349-3369 Fax: (650) 571-1878

File: 219036
March 27, 2019

Habitat
851 Burlway Road, Suite #710
Burlingame, CA 94010

Attention: Alex Mortazavi

Subject: **Rockaway Lane Property**
22422 Rockaway Lane
Hayward, California
GEOTECHNICAL INVESTIGATION FOR
PROPOSED NEW APERTMENT COMPLEX

Dear Mr. Mortazavi:

In accordance with your authorization, we have performed a subsurface investigation into the geotechnical conditions present at the location of the proposed improvements. This report summarizes the conditions we measured and observed, and presents our opinions and recommendations for the design and construction of the proposed new apartment complex.

Site Description

The subject site is a gently sloping irregularly-shaped parcel located on the east side of Rockaway Lane (at the approximate location shown on Figure 1). The property is bounded by an apartment complex to the north, a garden to the east, San Lorenzo Creek east of the garden, A Street to the south, and Rockaway Lane to the west.

The site is currently an empty lot vegetated with a variety of small to medium sized bushes and shrubs, and some small trees, and various other native plants and grasses.

The ground surface in the site vicinity has an overall slope down towards the east (as shown on Figure 2). At the site, the ground slopes gently down towards the east. Surface gradients range from 20:1 to 15:1 (horizontal:vertical, H:V). It appears that little or no grading work was performed on the site.

Proposed Construction

We understand that the current development for the site proposes the construction of a new apartment building, with ground floor parking, and associated improvements. The buildings are to be of conventional, wood-framed construction. New foundation loads are expected to be typical for this type of structure (i.e. light).

Excavation work at the site is expected to be limited to minor leveling of the building site, and foundation excavations. No significant fill placement is anticipated as part of this work. No significant retaining walls are anticipated for this scope of work. No basement or pool is planned for the project.

INVESTIGATION

Scope and Purpose

The purpose of our investigation was to determine the nature of the subsurface soil conditions so that we could provide geotechnical recommendations for the construction of the proposed new apartment complex and associated improvements. In order to achieve this purpose, we have performed the following scope of work:

1 - visited the property to observe the geotechnical setting of the area to be developed;
2 - reviewed relevant published geotechnical maps;
3 - drilled three borings and two CPT soundings near the location of the proposed improvements;
4 - performed laboratory testing on collected soil samples;
5 - assessed the collected information and prepared this report.

The findings of these work items are discussed in the following sections of this report.

Site Observations

We visited the site on February 19 and March 8, 2019 to observe the geotechnically relevant site conditions. During our visit, we noted the following conditions:

A - We would characterize the drainage on the lot to be sheet flow to the south and east.

B - There is a moderately slope down to the creek at the eastern side of the property. We did not observe any signs of slope instability, nor significant erosion, on that slope.

Geologic Map Review

We reviewed the *Geologic Map of the Hayward Quadrangles, Contra Costa and Alameda Counties, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-163, scale 1:24,000*, by T.W. Dibblee and J.A. Minch (2005), and the *State of California Seismic Hazards Zone Map; Hayward Quadrangle* (7/2/03). The relevant portions of the Dibblee and Minch map and State map have been reproduced in Figures 3 and 3a.

The Dibblee and Minch map indicates that the site is underlain by the Older Surficial Sediments (map symbol "Qa"). Dibblee and Minch describes these materials as consisting of "alluvial gravel, sand, and clay of valley areas, includes gravel and sand of major stream channels."

Our subsurface exploration (see below) encountered clay and sand materials which we judged to be consistent with the mapping.

The Seismic Hazards Zone Map indicates the site is outside of the areas where there have been previous occurrences of landslide movement; however, the site is mapped within an area where there has been a historic occurrence of liquefaction or where local topographic, local geological, geotechnical, and groundwater conditions would indicate such a potential exists.

The active Hayward Fault is mapped approximately 0.4 miles (0.6 km) southwest of the site.

Subsurface Exploration

Conventional Borings - On March 19, 2019 we drilled three borings at the site at the locations shown on Figure 4. The borings were drilled using a Mobile B-24 truck-mounted drilling rig (as noted on the logs) equipped with 3.25 inch diameter, helical flight augers. Logs of the soils encountered during drilling record our observations of the cuttings traveling up the augers and of relatively undisturbed samples collected from the base of the advancing holes. The final boring logs are based upon the field logs with occasional modifications made upon further laboratory examinations of the recovered samples and laboratory test results. The final logs are attached in Appendix A.

The relatively undisturbed samples were obtained by driving a 3.0 inch (outer diameter) Modified California Sampler and a Standard Penetration Sampler (as noted on the logs) into the base of the advancing hole by repeated blows from a 140 pound (truck rig) and a 70 pound (portable rig) hammer lifted 30 inches. On the logs, the number of blows required to drive the sampler the final 12 inches of the 18 inch drive, have been recorded as the Blow Counts. These blows have not been adjusted to reflect equivalent blows of any other type of sampler or hammer, or to account for the different hammers and samplers used.

CPT Soundings - To supplement our previous conventional borings, two CPT soundings were advanced across the site. The CPT soundings were hydraulically advanced pushing a 1.4 inch diameter cone-tipped probe into the ground after hand-augering the upper 5 feet of soil to clear any potential utilities. Gauges in the probe measured both tip resistance and frictional resistance (along with pore water pressures) to provide engineering information used to assess soil type and strength characteristics. The accumulated data was computer processed to provide further information on liquefaction potential and settlement potentials associated with liquefaction. The graphic logs of the CPT sounding data are attached in Appendix A of this report.

Subsurface Conditions

Boring 1 first penetrated 6.5 feet of stiff silty clay. This was underlain by medium dense silty fine sand which grade to a stiff fine sandy silt by 13 feet. At 19.5 feet, the boring encountered dense silty gravelly sand down to a depth of 23 feet, where the borings were terminated due to drilling refusal.

Boring 2 first penetrated 6 feet of soft silty clay. The clay was underlain by medium dense silty fine sand grading to stiff fine sandy silt by a depth of 11 feet. Below the silt was medium dense silty fine sand from 15 to 30 feet. At 30 feet, the boring encountered very dense silty gravelly sand down to the terminated boring depth of 31.5 feet.

Boring 3 first penetrated 5.5 feet of firm silty clay. This was underlain by very stiff fine sandy silt which grade to a medium dense silty fine sand by a depth of 16 feet. The boring was terminated in these sands at a depth of 17.5 feet.

Please refer to Appendix A for a more detailed description of each boring.

Initially, groundwater was encountered at a depth of 29 feet during the drilling of Boring 2. The level of the water rose to a depth as shallow as 27 feet by the end of the boring. However, during periods of heavy rain or late in the winter, groundwater seepage may exist at even shallower depths.

The CPT soundings encountered a similar profile, consisting of an upper layer of clay over variable interbedded deposits of sands and silts. These materials generally became denser at depths below 30 feet, with CPT 2 encountering refusal at 31.5 feet, while CPT 1 was able to be advanced to 45 feet. Ground water was estimated to be at a depth of 20 feet in the CPT soundings.

Laboratory Testing

The relatively undisturbed samples collected during the drilling process were returned to the laboratory for testing of engineering properties. In the lab, selected soil samples were tested for moisture content, density, and plasticity. The results of the laboratory tests are attached to this report in Appendix B.

Plasticity Index (PI) testing performed on the site near surface clayey materials produced a PI result of 23. This testing indicated that the near surface materials (PI = 23) have moderate plasticity and are moderately expansive. Testing of the sandier deeper soils (@22') found that they are non-plastic, and hence may be subject to liquefaction.

Liquefaction Analysis

Liquefaction is the temporary change in a soil from a solid condition (inter-granular contact) to a liquid condition (particles of soil suspended in water). This condition can occur where predominantly **granular** soils are in a relatively **loose** and **saturated** condition. Liquefaction typically does not occur in cohesive, dense, or non-saturated soil conditions.

In order to evaluate the potential for liquefaction to occur at any location, it is necessary to be able to identify several important factors, including: type of soil; relative density of soil; elevation of water table; and seismic accelerations and magnitude. Variations in any of these factors can have a dramatic impact on the potential for liquefaction to occur, or in the magnitude of the results if it does occur.

Soil Type and Relative Density – the type and density of the soils penetrated by the CPT soundings are assessed from the CPT testing based upon correlations between resistance along the cone's sleeve and resistance at the cone's tip. Logs of the soil types and relative densities encountered in the CPT soundings are attached to this report in Appendix A.

Depth to Water Table – Plate 1.2 of the State of California's Seismic Hazard Zone Report for the Hayward Quadrangle, indicates that the ground water elevations at the subject site are on the order of 20 feet below grade. Our borings confirmed that the site currently has a water table at a depth of 20 to 27 feet. We have assumed a depth to ground water of 20 feet in our analysis. See Figure 3D.

Seismic Accelerations – Figure 3.3 of the State Hazard Zone Report indicates that the design earthquake (with a 10 percent chance of exceedance in the next 50 years) will induce an acceleration due to ground shaking within alluvial soils of approximately 0.6g. See Figure 3C.

Liquefaction Analysis – We have performed our seismic analysis in conformance with the recommendations specified in the State of California Special Publication 117 and ASCE 7-10. The CPT data collected from our recent field investigation was analyzed using the CLiq program (version 1.3.1.104) issued by Geologismiki and Gregg Drilling. The program uses the tabulated results from the CPT sounding to assess the potential for liquefaction to occur at the site, as well as estimate the potential ground movements associated with liquefaction. Ground accelerations and ground water levels as discussed above were used as the input parameters along with the raw data from the CPT soundings for our analysis. The plots of the liquefaction analysis results at the CPT locations are attached to this report as Figures 5a and 5b.

ANALYSIS RESULTS

Factor of Safety – The factor of safety against liquefaction occurring is calculated by comparing the forces tending to induce liquefaction to those resisting liquefaction. When the factor of safety against liquefaction falls below a value of 1.0 (i.e. inducing factors are stronger than resisting factors), the material is considered to have the potential to liquefy.

In our analysis, the CLiq program calculated that there is a potential for liquefaction (FS<1) to occur in the sandy soil strata at variable depths ranging from 20 to 41 feet below grade. The program calculates that should liquefaction occur, the total potential vertical settlement would be on the order of 1.7 to 2.5 inches. Therefore, differential settlements would be expected to be on the order of about an inch over 40 feet.

The CLiq program also indicated that due to the adjacent creek channel, lateral displacements could also occur. The projected lateral movements across the site could be on the order of 45 to 55 inches. This amount of lateral displacement is considered to be excessive, therefore mitigation will be required.

CONCLUSIONS AND RECOMMENDATIONS

General

Based upon our investigation, we believe that the proposed improvements can be safely constructed. Geotechnical development of the site is controlled by the presence of moderately expansive near surface soils as well as deeper potentially liquefiable soils.

Expansive soils derive their name from their propensity to change volume in response to changes in moisture content. When they are dry, they shrink; when they become wet, they swell. The pressures these soils can exert as they expand can be sufficiently high to move conventional residential foundations. The foundation movement induced by the soil shifting can cause wall coverings to crack, doors and windows to stick, and floors to slope. Seasonal movements of expansive soils have caused such distress to countless building in the Bay Area.

During a major earthquake, our analyses (see above) indicates that there may be both vertical and lateral displacements of the site soils as the deeper sandy soils liquefy. While the vertical movements are likely to be accommodated through good building design, mitigation is required to reduce potential lateral displacements to an acceptable amount.

To combat seasonal expansive soil movements, it is necessary to utilize a foundation system which derives its support from the deeper, more stable soils or use a stiff foundation system and accept some overall tilt of the structure. Therefore, we have provided recommendations for an interlocking grade beam foundation system to accommodate expansive soil movements and potential vertical seismic settlements. A program of grouting has been recommended to minimize lateral displacements.

Seismicity

The greater San Francisco Bay Area is recognized by Geologists and Seismologists as one of the most active seismic regions in the United States. Several major fault zones pass through the Bay Area in a northwest direction which have produced approximately 12 earthquakes per century strong enough to cause structural damage. The faults causing such earthquakes are part of the San Andreas Fault System, a major rift in the earth's crust that extends for at least 700 miles along western California. The San Andreas Fault System includes the San Andreas, San Gregorio, Hayward, Calaveras Fault Zones, and other faults.

During 1990, the U.S. Geological Survey cited a 67 percent probability that an earthquake of Richter magnitude 7, similar to the 1989 Loma Prieta Earthquake, would occur on one of the active faults in the San Francisco Bay Region in the following 30 years. Recently, this probability was increased to 70 percent, as a result of studies in the vicinity of the Hayward Fault. A 23 percent probability is still attributed specifically to the potential for a magnitude 7 earthquake to occur along the San Andreas Fault by the year 2020.

Ground Rupture - The lack of mapped active fault traces through the site, suggests that the potential for primary rupture due to fault offset on the property is low.

Ground Shaking - The subject site is likely to be subject to very strong to violent ground shaking during its life span due to a major earthquake in one of the above-listed fault zones. Current (2016) building code design may be followed by the structural engineer to minimize damages due to seismic shaking, using the following input parameters from the Structural Engineers Association of California (SEAOC) Calculator based upon ASCE 7-16 design parameters:

Site Class	S_S=SM_S	S_1	SD_S	F_a	F_v	T_L	PGA_M
D	2.396	0.917	1.597	1	2.5	8	1.104

Landsliding - We note that the subject site and the surrounding area are gently sloping. The Seismic Hazards Zone Map indicates that the site is not in an area potentially subject to seismically induced landsliding. Therefore, the hazard due to seismically-induced landsliding is, in our opinion, very low for the site. We do note that some surficial sliding may occur on the adjacent steep creek bank adjacent to the project.

Liquefaction - The State of California Seismic Hazards Zones map indicates that the site is in an area potentially subject to liquefaction. Liquefaction most commonly occurs during earthquake shaking in loose fine sands and silty sands associated with a high ground water table. Our liquefaction analysis confirmed this potential, and the anticipated vertical ground settlements are discussed above in this report. Lateral movements are discussed below, under Lateral Spreading.

Ground Subsidence - Ground subsidence may occur when poorly consolidated soils densify as a result of earthquake shaking. Since the proposed building site is underlain at shallow depths by resistant materials, the hazard due to ground subsidence is, in our opinion, considered to be low.

Lateral Spreading - Lateral spreading can occur when a weak layer of material, such as a sensitive or liquefiable soil, loses its shear strength as a result of earthquake shaking. Overlying blocks of competent material may be translated laterally towards a free face. The adjacent creek channel is a free face into which the site soils may attempt to move should the underlying sandy soils liquefy. Our analysis indicates that between 45 and 55 inches of lateral movement (roughly 4 feet) may occur during such an event. This amount of lateral movement is considered to be excessive, and we have provided recommendations for remediating this potential using grout densification techniques.

Liquefaction Mitigation

As discussed above, the magnitude of the potential differential vertical settlements due to liquefaction are considered to be relatively minor, and the proposed interlocking grade beam foundation system is expected to help minimize any transmission of such soil movements to the supported structure. Conversely, the potential lateral displacements of the site are considered to be too large to be acceptable for structural performance. Therefore, it will be necessary to reduce the potential lateral movements by creating a "retaining wall" using grout injection techniques.

The "grout wall" will need to consist of a zone extending the length of the property along the creek channel. The grouting must be performed by an experienced grouting contractor, as it will be important to preclude grout migration into the creek channel. We recommend that all grouting insertion points be kept a minimum of 40 feet away from the creek channel.

To effectuate the grout wall, the affected site soils will need to have a minimum horizonal width of 20 feet. This is expected to require four lines of offsetting injection points spaced approximately 6 feet apart in each direction. The grout should be injected starting at a depth of 30 feet and extending up to a depth of 10 feet below ground surface. The grout lines should be located a minimum of 5 feet beyond the margins of the proposed building envelope to minimize potential impacts on differential settlements.

Site Preparation and Grading

All debris resulting from the demolition of existing improvements should be removed from the site and may not be used as fill. Any existing underground utility lines to be abandoned should be removed from within the proposed building envelope and their ends capped outside of the building envelope.

Any vegetation and organically contaminated soils should be cleared from the building area. All holes resulting from removal of tree stumps and roots, or other buried objects, should be overexcavated into firm materials and then backfilled and compacted with native materials.

The placement of fills at the site is expected to include: utility trench backfill, slab subgrade materials, and finished drainage and landscaping grading. These and all other fills should be placed in conformance with the following guidelines:

Fills may use organic-free soils available at the site or import materials. Import soils should be free of construction debris or other deleterious materials and be non-expansive. *A minimum of 3 days prior to the placement of any fill, our office should be supplied with a 30 pound sample (approximately a full 5 gallon bucket) of any soil or baserock to be used as fill (including native and import materials) for testing and approval.*

All areas to receive fills should be stripped of organics and loose or soft near-surface soils. Fills should be placed on level benches in lifts no greater than 6 inches thick (loose) and be compacted to at least 90 percent of their Maximum Dry Density (MDD), as determined by ASTM D-1557. If native expansive soils are used for fill at the site, then the soils should be placed at 3 to 5% over Optimum Moisture Content and be compacted to **between** 85 to 90 percent of their MDD. In pavement (concrete or asphalt) areas to receive vehicular traffic, all baserock materials should be compacted to at least 95 percent of their MDD. Also, the upper 6 inches of soil subgrade beneath any pavements should be compacted to at least 90 percent of its MDD.

If fills in excess of 3 feet thick are to be placed, our office should be contacted for further recommendations.

Temporary, dry-weather, vertical excavations should remain stable for short periods of time to heights of 5 feet. All excavations should be shored or sloped in accordance with OSHA standards. Cuts deeper than 20 feet may encounter groundwater and will require temporary (and perhaps permanent) dewatering.

Permanent cut and/or fill slopes should be no steeper than 2:1 (H:V). However, even at this gradient, minor sloughing of slopes may still occur in the future. Positive drainage improvements (e.g. drainage swales, catch basins, etc.) should be provided to prevent water from flowing over the tops of cut and/or fill slopes.

Building Foundation – Waffle System

The new foundation system may consist of a series of interlocking grade beams ("waffle") which will create a relatively rigid system upon which the new building may be constructed. This system will not stop all movements, but will allow it to be transferred to a distributed tilt, rather than the more damaging localized differential movements. To provide the most rigid system, it will be important that long, narrow protrusions be minimized from the design in favor of the most rectangular (ideally square) footprint geometrically possible. The grade beams should be capable of spanning or cantilevering the following distances and amounts:

Settlements - loss of support due to drying of expansive soils resulting in the potential loss of support for a distance of 8 feet along the perimeter and at any corner. We also anticipate that there could be 1 inch of differential ground settlements induced by liquefaction between any two adjacent column supports.

Uplift – due to expansive soil uplift, the foundations should be able to resist a 2 inch uplift occurring over a 10 foot diameter area anywhere within the center of the building; along the perimeter edge of the building; and, at the corner of the building.

The foundation movements under the foundations must not result in a deflection of the foundation grade beam system in excess of a ratio of 1:360. To achieve this rigidity, it is anticipated that foundation grade beams will need to be on the order of 3 feet tall, a minimum of 18 inches wide, and spaced at no more than 20 feet in any direction. Ideally, grade beams should be located under all interior walls and columns so as to maximize the rigidity under these walls. The top steel reinforcement should mirror the bottom steel schedule.

The grade beam system may be designed for a very high bearing capacity, as bearing capacity failures would actually assist in limiting deflections for such a structure. In this case, a bearing capacity of 3000 psf may be used for the grade beams when under maximum deflection loading conditions, but a value of 2500 psf should be used for static loading of the columns under long-term live and dead loads. These values may be increased by 1/3 for temporary loadings such as wind or seismic.

For resistance to lateral forces, the embedded faces of the grade beams may be assumed to develop a passive resistance of 200 psf.

Slabs-on-Grade

For any interior concrete building floors at grade, we recommend the use of structural slabs, spanning between grade beams or waffle beams. The slabs should be underlain by a 24 inch thick layer of non-expansive soil, placed and compacted under the floor slabs.

Concrete garage slabs may consist of floating slabs, but will be potentially subject to greater amounts of post-construction movement and cracking. For these slabs, it will be necessary that the subgrade soils be moisture conditioned to a minimum of 5 percent over optimum moisture content to a depth of 1 foot below the subgrade surface. Upon verification of proper moisture conditioning, the soils must be covered with a vapor barrier having a minimum thickness of 10 mils, then covered by the required drain rock layer. This will help to minimize post-construction swelling of the underlying soils. Alternatively the upper 24 inches of expansive soil may be replaced with non-expansive fill.

All ground floor slabs should be underlain by at least 6 inches of clean, crushed drain rock. The drain rock should be covered by a moisture barrier which conforms to ASTM E1745-97 (e.g. Stego Wrap or an approved equivalent) where ever moisture transmission through the slab is undesirable. Perforated collector pipes should be embedded within the drain rock to carry any water which gathers within the drain rock to an appropriate discharge location. Spacing between the pipes should not exceed 20 feet. The need for any sand over the top of the vapor barrier should be determined by the slab designer or architect.

Any non-building floors may consist of conventional concrete slabs-on-grade, though it should be expected that some seasonal/post-construction shifting of such slabs may occur. We have provided guidelines to help reduce post-construction movements, however, it is nearly impossible to economically eliminate all shifting.

To help reduce cracking, we recommend slabs be a minimum of 4 inches thick and be nominally reinforced with #4 bars at 12 inches on center, each way. Slabs which are thinner or more lightly reinforced may experience undesirable cosmetic cracking. However, actual reinforcement and thickness should be determined by the structural engineer based upon anticipated usage and loading.

In large non-interior slabs (e.g. patios, garage, etc.), score joints should be placed at a maximum of 10 feet on center. In sidewalks, score joints should be placed at a maximum of 5 feet on center. All slabs should be separated from adjacent improvements (e.g. footings, porches, columns, etc.) with expansion joints. Interior floor slabs will experience shrinkage cracking. These cosmetic cracks may be sealed with epoxy or other measures specified by the architect.

It would be prudent (though not required) to underlay all slabs with at least 24 inches of non-expansive materials. This will help to reduce future expansive soil movements of the slabs. Slabs which are not underlain by this non-expansive material may undergo excessive seasonal shifting.

Slabs which will be subject to light vehicular loads and through which moisture transmission is not a concern (e.g. driveway) should be underlain by at least 6 inches of compacted baserock, in lieu of any sand and gravel. The 6 inches of granular subgrade may be included as part of the 24 inches of non-expansive materials. Exterior landscaping flatwork (e.g. patios and sidewalks) may be placed directly on proof-rolled soil subgrade materials (e.g. no granular subgrade), however, they will be potentially subject to greater amounts of shifting and moisture transmission.

As stated previously, in pavement (concrete or asphalt) areas to receive vehicular traffic, all baserock materials should be compacted to at least 95 percent of their MDD. Also, the upper 6 inches of native soil subgrade beneath any pavements should be compacted to at least 90 percent of its MDD.

To reduce post-construction expansive soil movements (i.e. heave) of any slabs, care should be taken to keep the subgrade moist for an extended period of time prior to pouring the slabs. *Shrinkage cracks should not be allowed to develop in the soil beneath any proposed slabs.* Ideally, all slab areas and crawlspace subgrade areas should be sprayed, and covered with 10 mil visqueen and any granular materials as soon as exposed by grading.

Drainage

Surface Drainage - Adjacent to any buildings, the ground surface should slope at least 5 percent away from the foundations within 5 feet of the perimeter. Impervious surfaces should have a minimum gradient of 2 percent away from the foundation.

Surface water should be directed away from all buildings into drainage swales, or into a surface drainage system (i.e. catch basins and a solid drain line). "Trapped" planting areas should not be created next to any buildings without providing means for drainage (i.e. area drains).

All roof eaves should be lined with gutters. The downspouts may be connected to solid drain lines, or may discharge onto paved surfaces which drain away from the structure. The downspouts may be connected to the same drain line as any catch basins, but must not directly connect to any perforated pipe drainage system. If splash blocks are preferred, then a perimeter footing drain system **must** be installed.

Footing Drain - Due to moderately expansive soils, it is strongly encouraged that a perimeter footing drain be installed to intercept water attempting to enter under the floor slabs.

The footing drain system should consist of a 12 inch wide gravel-filled trench, *dug at least 12 inches below the elevation of the adjacent crawlspace or slab subgrade.* The trench should be lined with a layer of filter fabric (Mirafi 140N or equivalent) to prevent migration of silts and clays into the gravel, but still permit the flow of water. Then 1 to 2 inches of drain rock (clean crushed rock or pea gravel) should be placed in the base of the lined trench. Next a perforated pipe (minimum 3 inch diameter) should be placed on top of the thin rock layer. The perforations in the pipe should be face down. The trench should then be backfilled with more rock to within 6 inches of finished grade. The filter fabric should be wrapped over the top of the rock. Above the filter fabric 6 inches of native soils should be

used to cap the drain. If concrete slabs are to directly overlay the drain, then the gravel should continue to the base of the slab, without the 6 inch soil cap. This drain should not be connected to any surface drainage system.

Drainage Discharge - The surface drain lines should discharge at least 15 feet away from the building, preferably at the street, creek, or other location approved by our office. The discharge location(s) may need to be protected by energy dissipaters to reduce the potential for erosion. Care should be taken not to direct concentrated flows of water towards neighboring properties. This may require the use of multiple discharge points.

The footing drain lines should discharge independently from the surface drainage system. A sump pump may be required for the footing drain discharge system. The surface and subsurface drain systems should not be connected to one another.

Drainage Materials - Drain lines should consist of hard-walled pipes (e.g. SDR 35 or Schedule 40 PVC). In areas where vehicle loading is not a possibility, SDR 38 or HDPE pipes may be used. Corrugated, flexible pipes may not be used in any drain system installed at the property.

Surface drain lines (e.g. downspouts, area drains, etc.) should be laid with a minimum 2 percent gradient (¼ inch of fall per foot of pipe). Any subsurface drain systems (e.g. footing drains) should be laid with a minimum 1 percent gradient (1/8 inch of fall per foot of pipe).

Utility Lines

Unless they pass through the perimeter footing drain system, all utility trenches should be backfilled with compacted native clay-rich materials within 5 feet of any buildings. This will help to prevent migration of surface water into trenches and then underneath the structures' perimeter. The rest of the trenches may be compacted with other native soils or clean imported fill. Only mechanical means of compaction of trench backfill will be allowed. Jetting of sands is not acceptable. Trench backfill should be compacted to at least 90 percent of its MDD. However, under pavements, concrete flatwork, and footings the upper 12 inches of trench backfill must be compacted to at least 95 percent of its MDD.

Pavement

The new driveway may consist of concrete, interlocking pavers, or asphaltic concrete over Caltrans Class II aggregate base (baserock). The asphalt should have a minimum thickness of 2½ inches. The baserock should have a minimum thickness of 6 inches, though 12 inches is preferable due to the expansive nature of the near-surface site soils. All of the baserock should attain a minimum compaction of 95 percent of its MDD. Any fill below this layer should attain a minimum of 90 percent relative compaction.

Plan Review and Construction Observations

The use of the recommendations contained within this report is contingent upon our being contracted to review the plans, and to observe geotechnically relevant aspects of the construction.

We should be provided with a full set of plans to review at the same time the plans are submitted to the building/planning department for review. A minimum of one working week should be provided for review of the plans.

At a minimum, our observations should include: compaction testing of fills and subgrades; footing excavations; pier drilling; forming of the grade beams voids; slab and driveway subgrade preparation; installation of any drainage system (e.g. footing and surface), and final grading. A minimum of 48 hours notice should be provided for all construction observations.

LIMITATIONS

This report has been prepared for the exclusive use of the addressee, and their architects and engineers for aiding in the design and construction of the proposed development. It is the addressee's responsibility to provide this report to the appropriate design professionals, building officials, and contractors to ensure correct implementation of the recommendations.

The opinions, comments and conclusions presented in this report were based upon information derived from our field investigation and laboratory testing. Conditions between or beyond our borings may vary from those encountered. Such variations may result in changes to our recommendations and possibly variations in project costs. Should any additional information become available, or should there be changes in the proposed scope of work as outlined above, then we should be supplied with that information so as to make any necessary changes to our opinions and recommendations. Such changes may require additional investigation or analyses, and hence additional costs may be incurred.

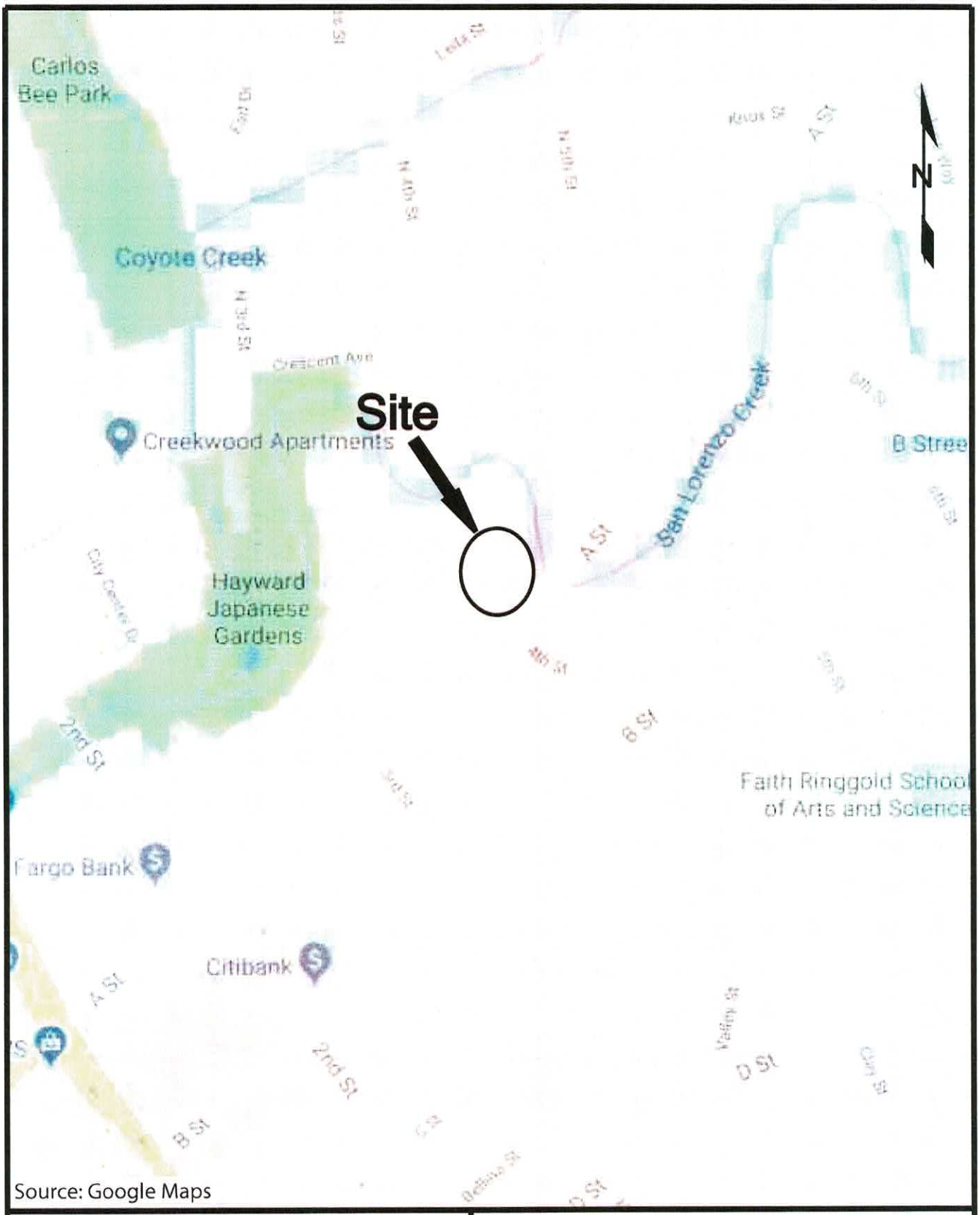
Our work has been conducted in general conformance with the standard of care in the field of geotechnical engineering currently in practice in the San Francisco Bay Area for projects of this nature and magnitude. We make no other warranty either expressed or implied. By utilizing the design recommendations within this report, the addressee acknowledges and accepts the risks and limitations of development at the site, as outlined within the report.

Respectfully Submitted;
GeoForensics, Inc.

Daniel F. Dyckman, PE, GE
Senior Geotechnical Engineer, GE 2145

Bernard A. Atendido
Field Engineer

cc: 5 to addressee



Source: Google Maps

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Figure 1 - Site Location

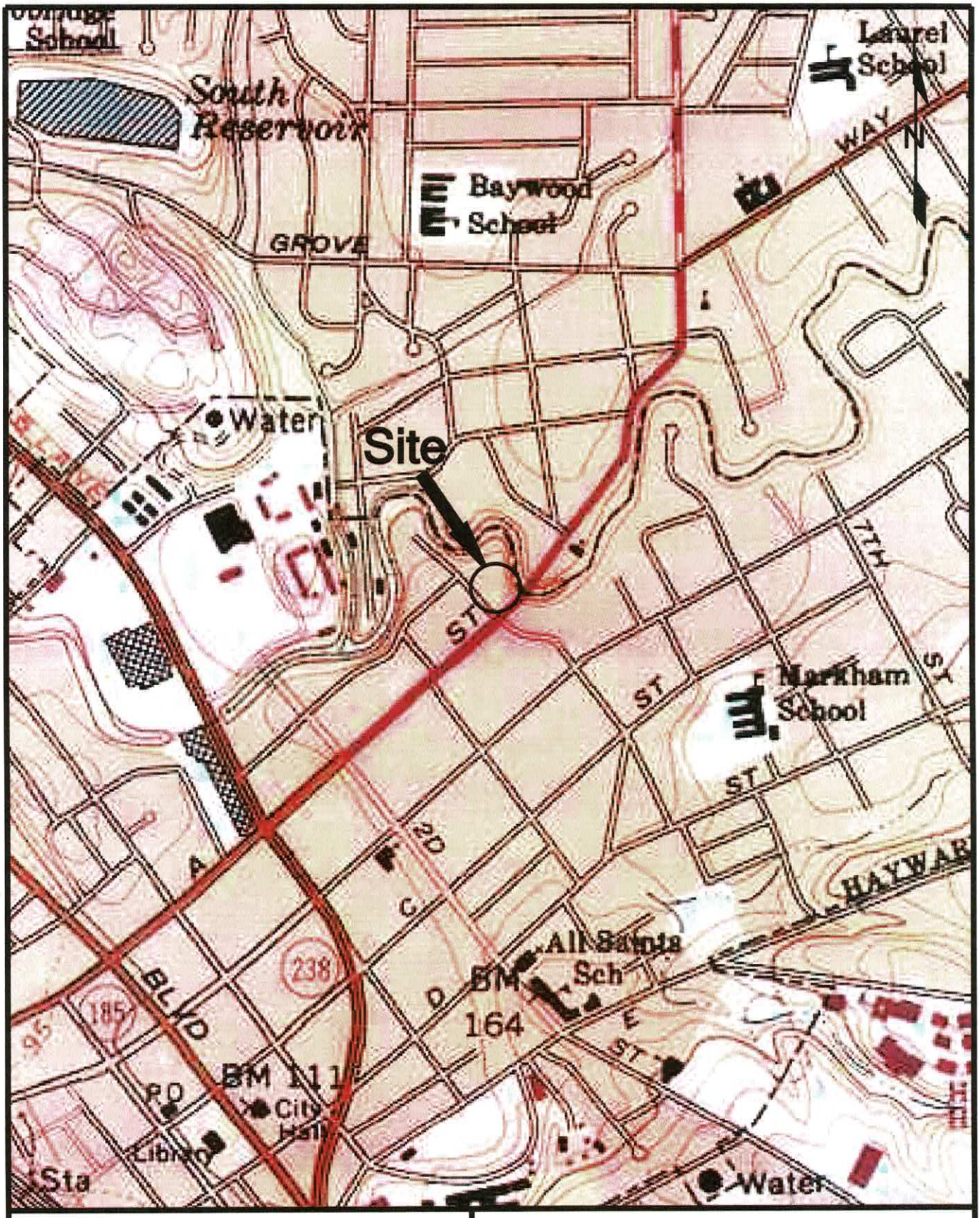

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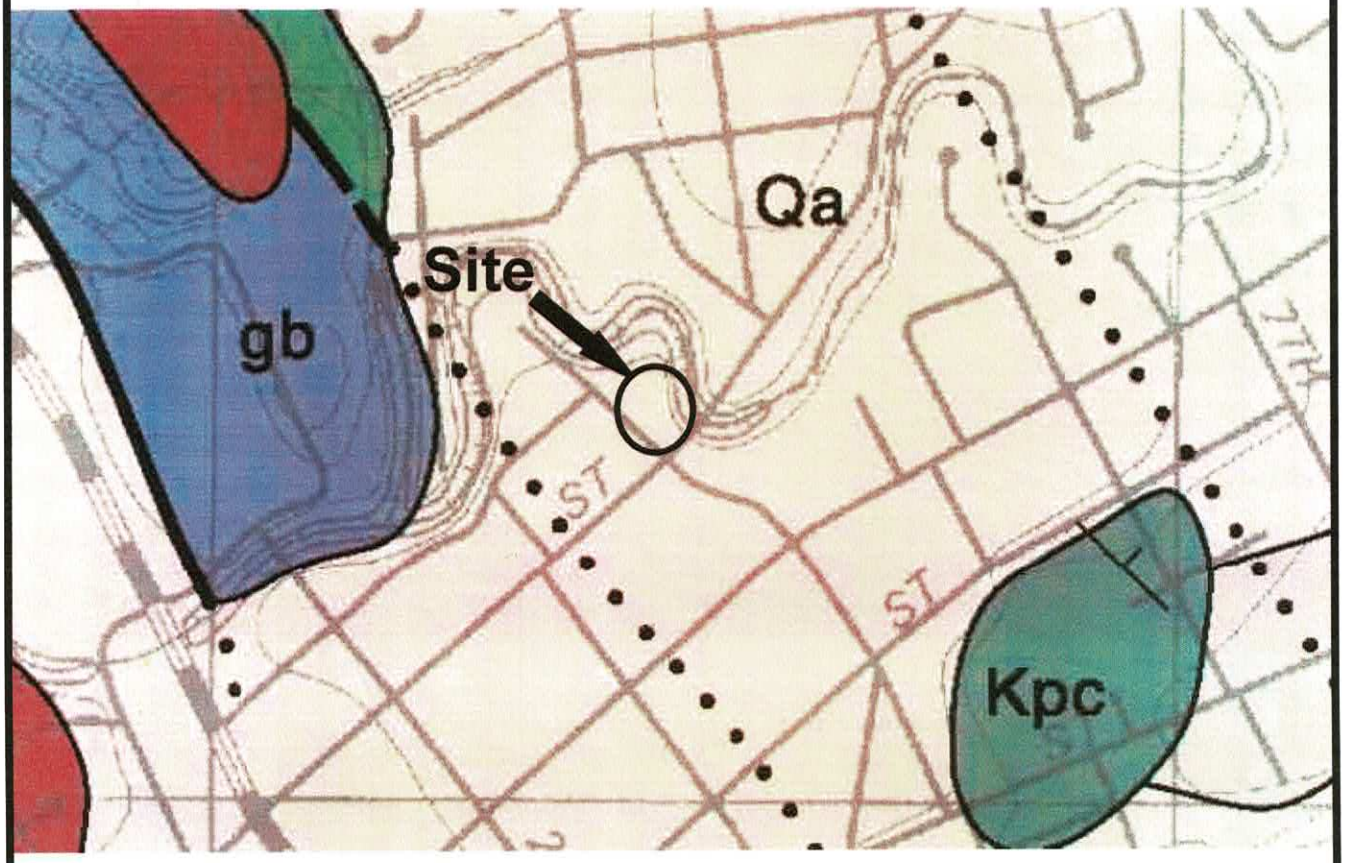
Figure 2 - Vicinity Topography



Qa - Surficial Sediments

Qa

Alluvial gravel, sand, and clay of valley areas, includes gravel and sand of major stream channels.

Source: Geology Map of the Hayward Quadrangle, Contra Costa and Alameda Counties, California: Dibblee Geologival Foundation, Dibblee Foundation Map DF-163. Thomas W. Dibblee, Jr., edited by John A. Minch (2005)

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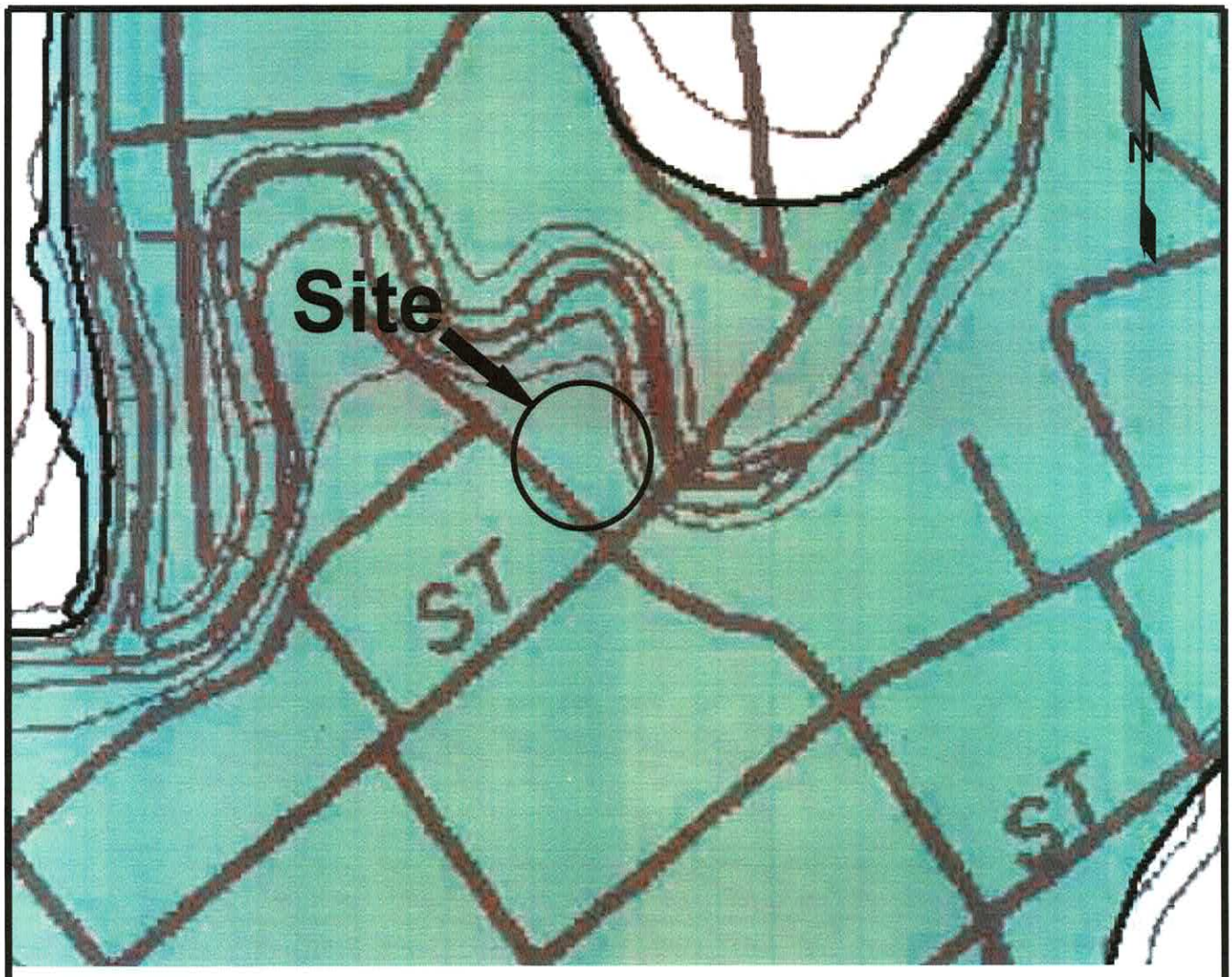
Figure 3 - Geologic Map



MAP EXPLANATION

Zones of Required Investigation:

Liquefaction

Areas where historic occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Earthquake-Induced Landslides

Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

NOTE: Seismic Hazard Zones identified on this map may include developed land where delineated hazards have already been mitigated to city or county standards. Check with your local building/planning department for information regarding the location of such mitigated areas.

State of California Seismic Hazards Zones; Hayward Quadrangle Official Map
Released: July 2, 2003

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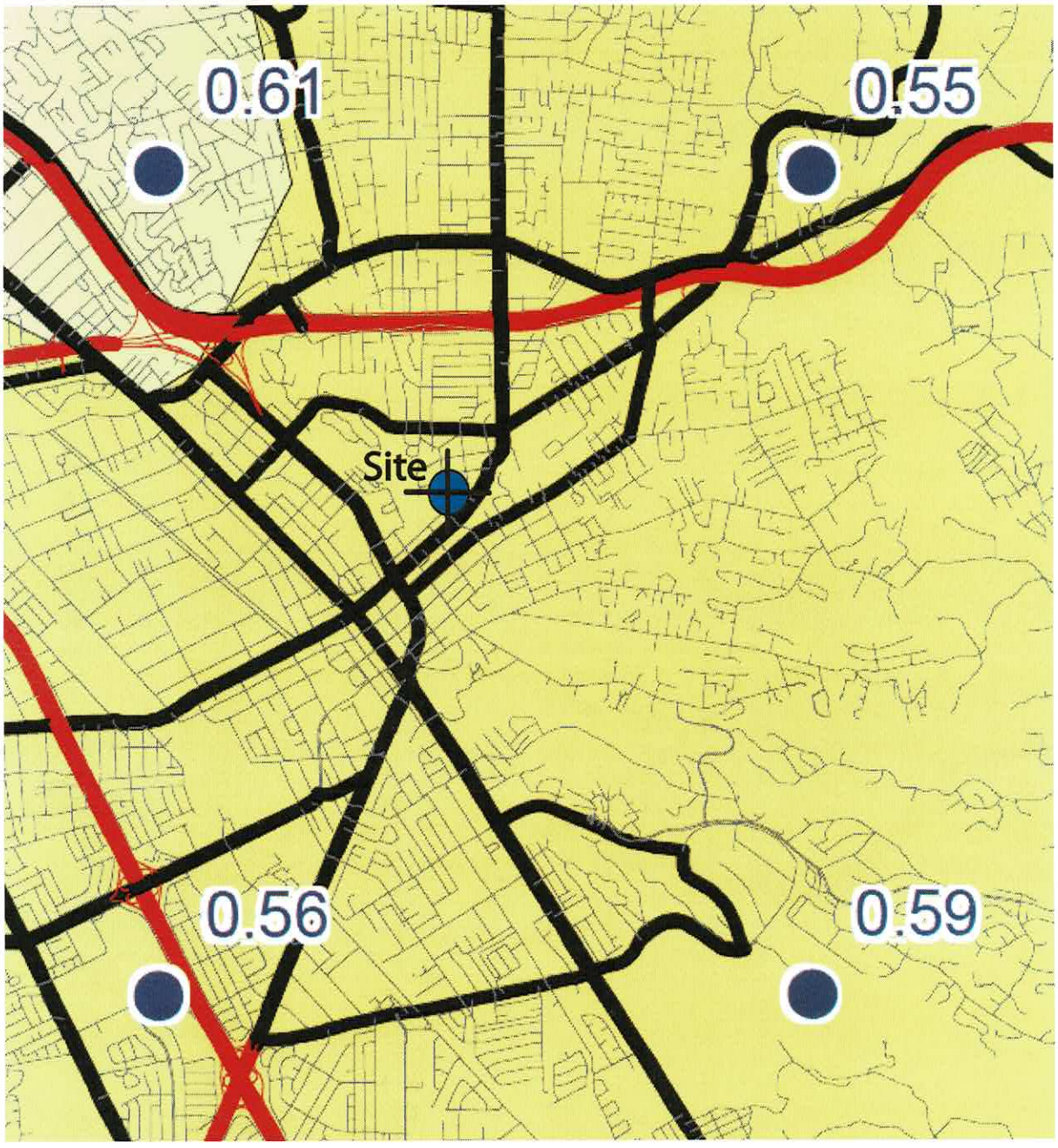
Figure 3a - Seismic Hazards Map



SEISMIC HAZARD EVALUATION OF THE HAYWARD QUADRANGLE
HAYWARD 7.5 MINUTE QUADRANGLE AND PORTIONS OF
ADJACENT QUADRANGLES

10% EXCEEDANCE IN 50 YEARS MAGNITUDE-WEIGHTED PSEUDO-PEAK ACCELERATION (g)
FOR ALLUVIUM

1998

LIQUEFACTION OPPORTUNITY

Figure 3.3

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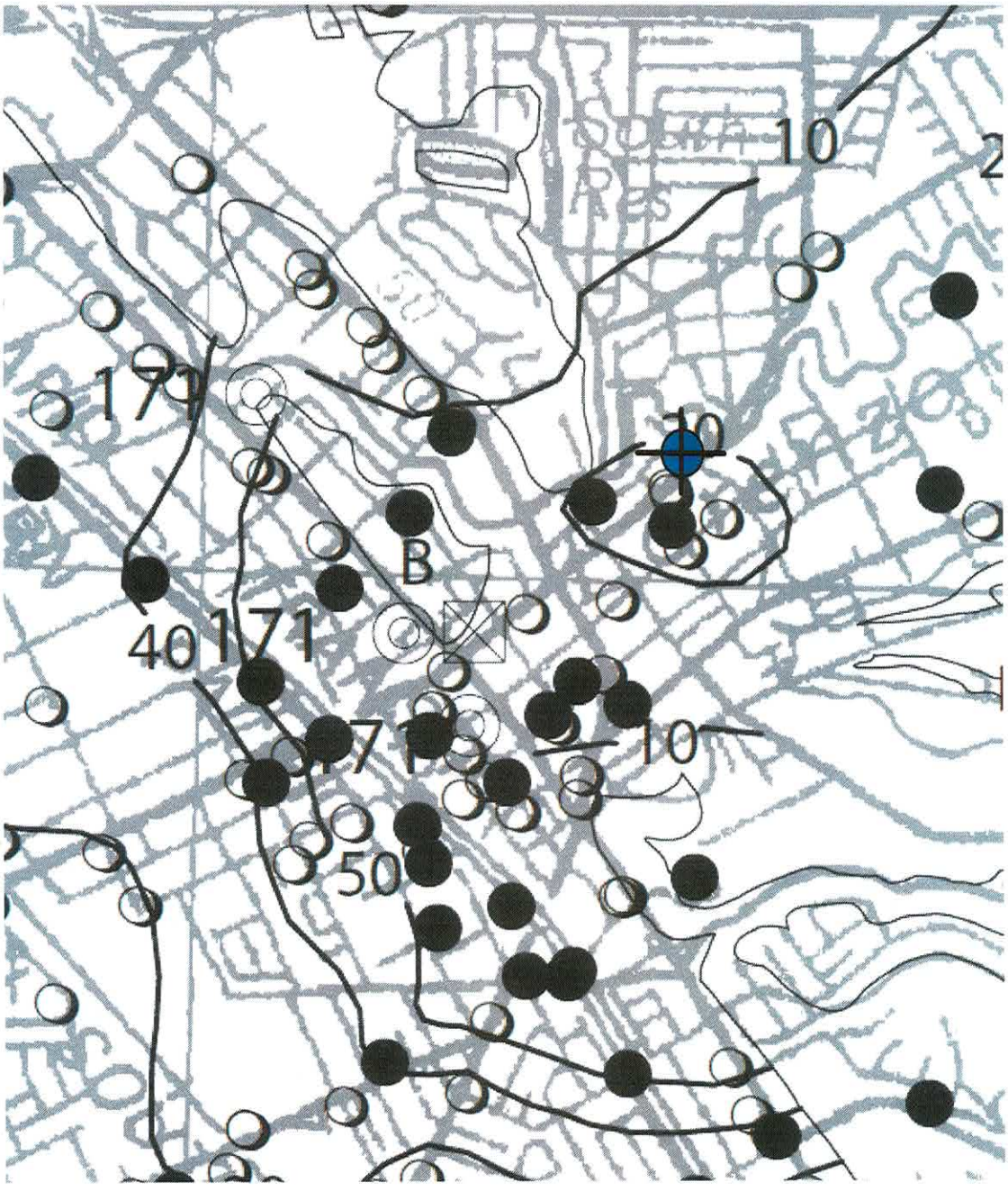
Figure 3C - Peak Ground Acceleration (Alluvium)



Water Body

10 Depth to ground water, in feet

Geotechnical borings used in liquefaction evaluation

Ground-water level data provided by the State Water Resources Control Board.

Base: Hayward Quadrangle Plate 1.2
Seismic Hazard Zone Report 111

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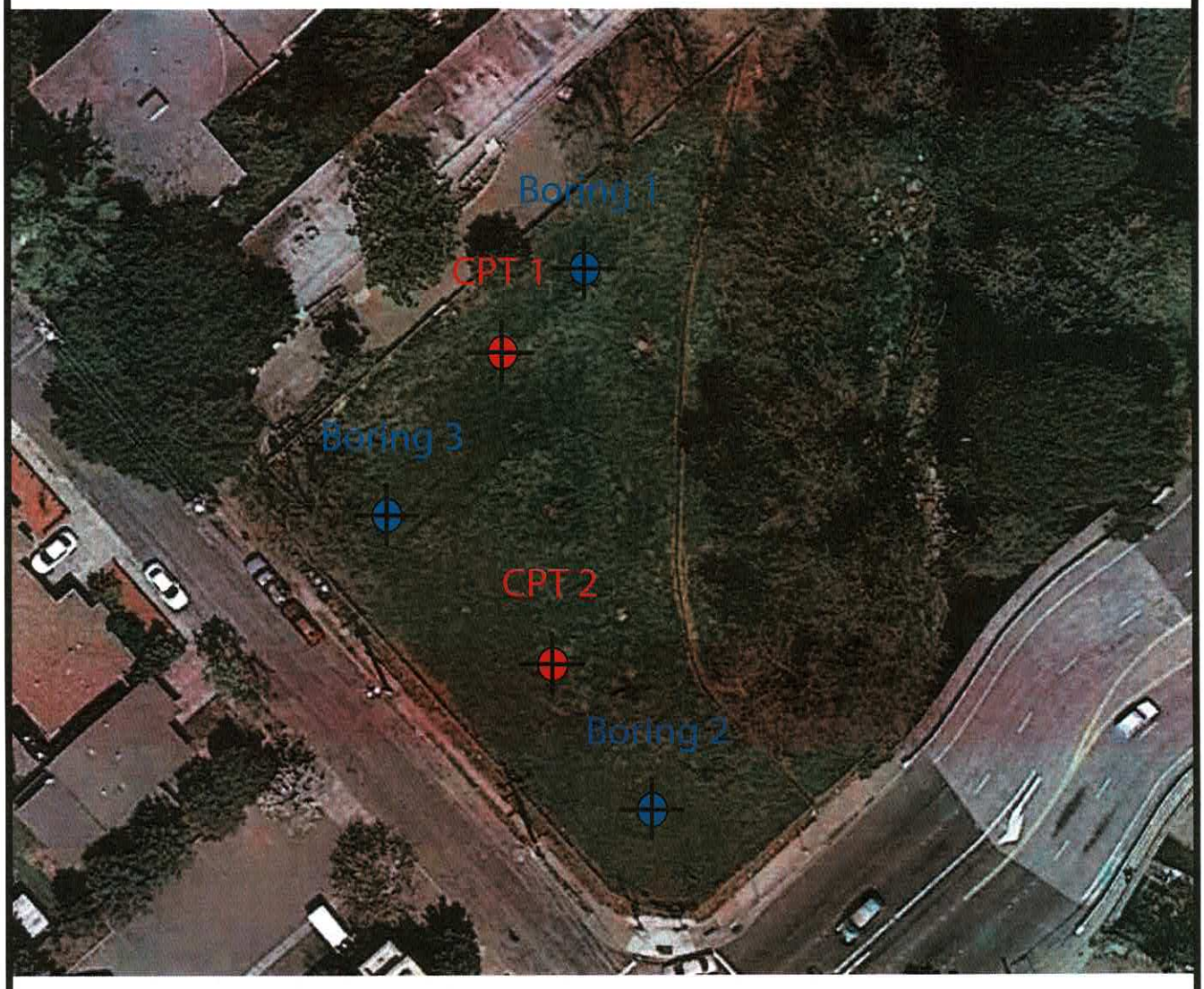
Figure 3D - Historic High Ground Water Depth



- Boring Locations
- CPT Locations

Base drawing provided by Google Maps
No Scale on this drawing

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Figure 4 - Site Photo with Approximate Boring and CPT Locations

CPT -1 Liquefaction Results

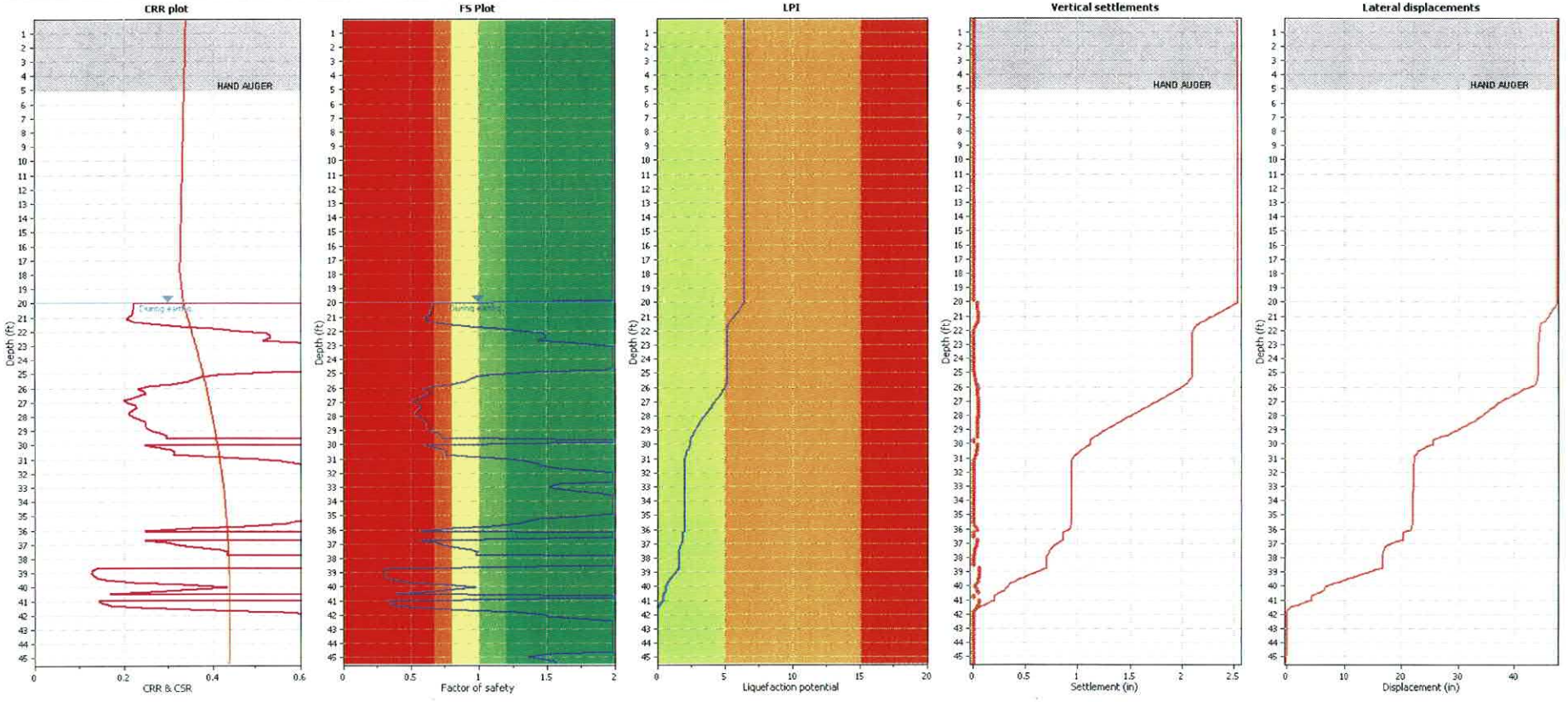

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Figure 5a - CPT1

CPT -2 Liquefaction Results

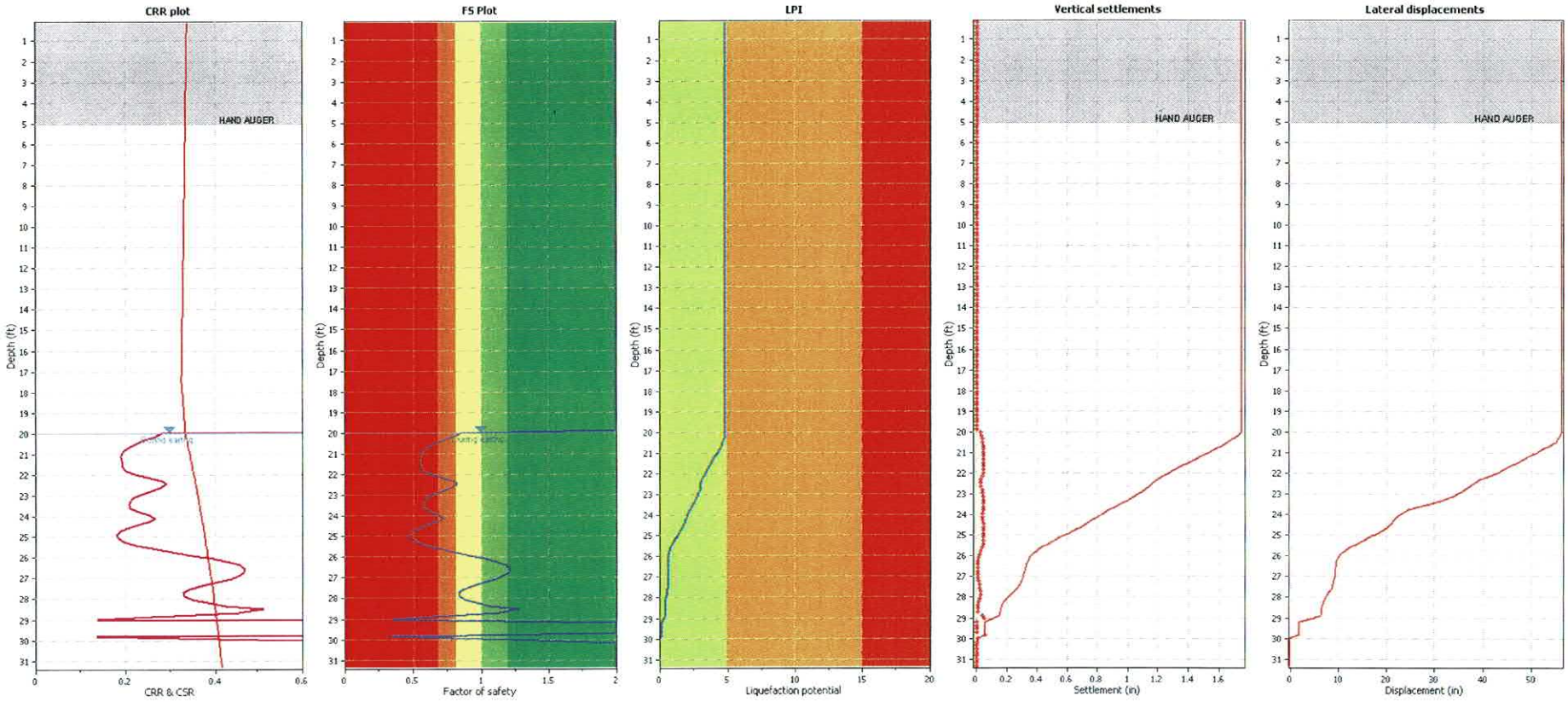

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Figure 5b - CPT2

APPENDIX A - BORING LOGS

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
5	1-1		15	silty CLAY with roots; dark brown; moist; stiff (CL)	-	-
10	1-2		18	silty fine SAND (near fine sandy SILT); orange brown; slightly moist; medium dense (SM)	97.6	11.8
				grades to		
15	1-3		21	fine sandy SILT (near silty fine SAND); tan and orange brown; slightly moist; stiff (ML)	114.0	13.1
				subrounded to rounded gravels at 19.5 feet		
20	1-4		31	silty gravelly SAND; red brown and green brown; dry to slightly moist; dense (SM)	-	7.1
25				**Drilling Refusal at 21.5 feet on cobble, sampled to 23 feet** **Drilling Refusal at 22.5 feet on cobbles, boring terminated**		
30				**Bottom of Boring at 23 feet** **No Groundwater encountered**		

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
No Groundwater encountered

Mod. Cal Sampler
SPT Sampler

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Figure A1 - Log of Boring 1

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
	2-1		5	silty CLAY with roots; dark brown; moist; soft (CL)	98.8	22.0
5						
	2-2		26	silty fine SAND (near fine sandy SILT); orange brown; slightly moist; medium dense (SM)	107.9	13.7
10				grades to		
	2-3		21	fine sandy SILT; orange brown; slightly moist; very stiff (ML)	116.3	13.9
15						
20						
	2-4		23	silty fine SAND (lightly cemented); tan and orange brown; slightly moist; medium dense (SM)	-	-
25						
30						
	2-5		50/6"	continued on next page		

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
Groundwater rose to 27 feet

Mod. Cal Sampler
SPT Sampler

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Figure A2 - Log of Boring 2 (pg 1 of 2)

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
	2-5		50/6"	silty gravelly SAND; greenish gray and red brown; moist; very dense (SM)	129.0	11.3

Bottom of Boring at 31.5 feet

Groundwater first encountered at 29 feet
Groundwater rose to 27 feet by end of sampling

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
Groundwater rose to 27 feet

Mod. Cal Sampler

SPT Sampler

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Figure A2 - Log of Boring 2 (pg 2 of 2)

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
5	3-1		8	silty CLAY; dark brown; moist; firm (CL)	101.4	19.9
10	3-2		34	fine sandy SILT (near silty fine SAND); orange brown; slightly moist; very stiff (ML)	116.9	10.2
15				grades to		
	3-3		27	silty fine SAND; orange brown; slightly moist; medium dense (SM)	110.4	11.6
20				**Bottom of Boring at 17.5 feet**		
25				**No Groundwater encountered**		
30						

Logged by: BA
Job# 219036
Drilled on 2/19/19

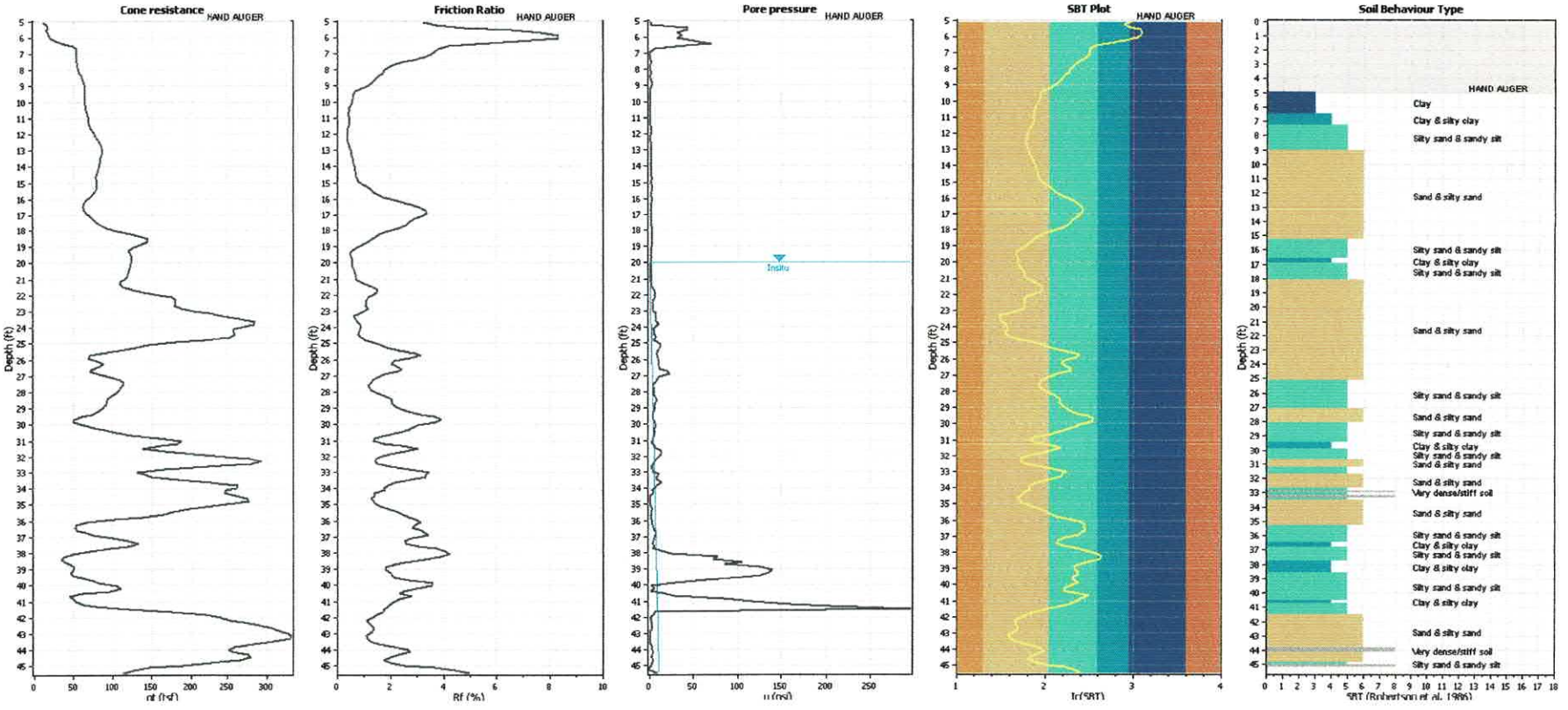
B-24 Truck Mounted Drilling Rig
140 Pound Hammer
No Groundwater encountered

Mod. Cal Sampler
SPT Sampler

GEOFORENSICS, INC.
303 Vintage Park Dr., Suite 220, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A3 - Log of Boring 3

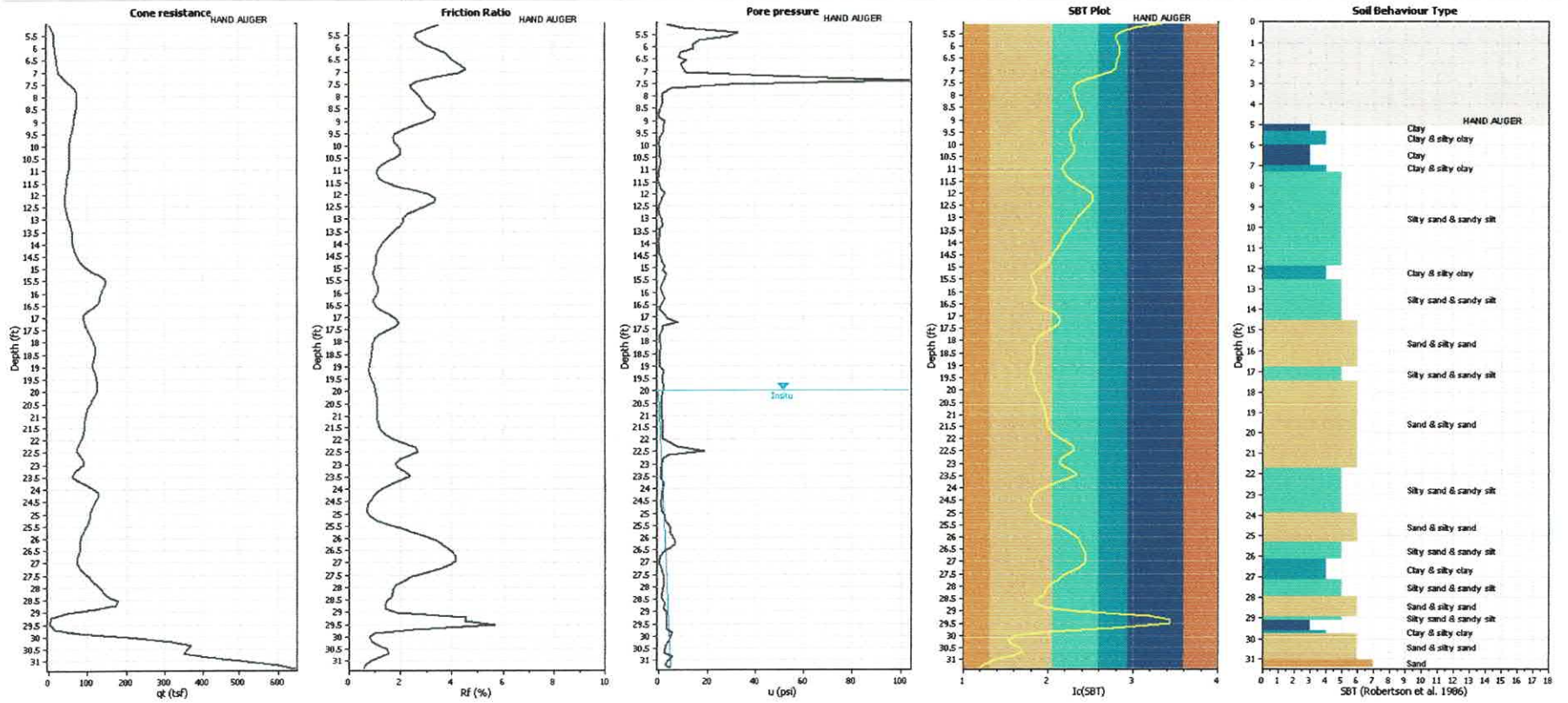
CPT -1 Log and Interpretation



GEOFORENSICS, INC.
561 Pilgrim Dr., Suite D, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A4 - CPT1

CPT -2 Log and Interpretation



GEOFORENSICS, INC.
561 Pilgrim Dr., Suite D, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A5 - CPT2

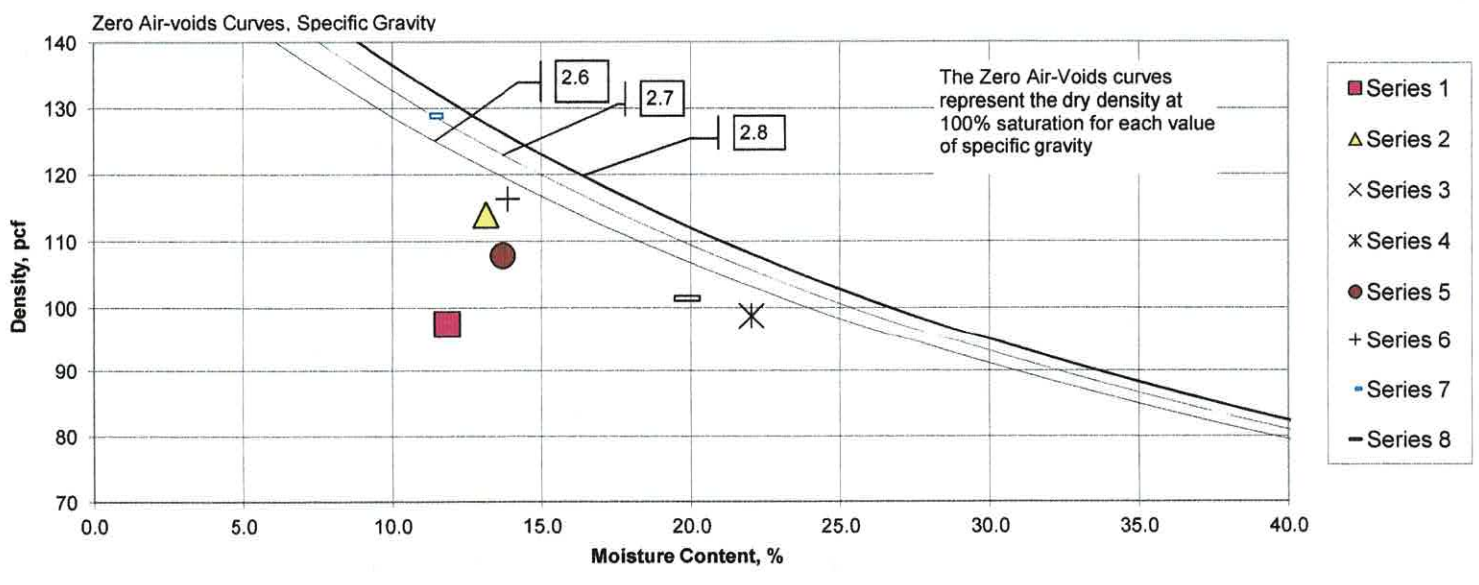
APPENDIX B - LABORATORY TEST RESULTS

Moisture-Density-Porosity Report
Cooper Testing Labs, Inc. (ASTM D7263b)

CTL Job No:	060-2718a	**Project No.**	219036	**By:**	RU
Client:	GeoForensics	**Date:**	03/22/19		
Project Name:	Rockaway	**Remarks:**			

Boring:	1-2	1-3	1-4	2-1	2-2	2-3	2-5	3-1
Sample:								
Depth, ft:	9	14	22.5	2	7	12	31	3
Visual Description:	Yellowish Brown Sandy SILT	Yellowish Brown Sandy SILT	Brown Silty SAND w/ Gravel	Dark Brown CLAY w/ Sand	Yellowish Brown Sandy CLAY	Yellowish Brown Sandy SILT	Light Olive Gray Silty SAND (Weathered Sandstone)	Dark Brown Sandy CLAY
Actual G_s								
Assumed G_s	2.70	2.70		2.70	2.70	2.70	2.70	2.70
Moisture, %	11.8	13.1	7.1	22.0	13.7	13.9	11.3	19.9
Wet Unit wt, pcf	109.1	129.0		120.5	122.6	132.5	143.5	121.6
Dry Unit wt, pcf	97.6	114.0		98.8	107.9	116.3	129.0	101.4
Dry Bulk Dens.ρb, (g/cc)	1.56	1.83		1.58	1.73	1.86	2.07	1.62
Saturation, %	43.8	73.8		84.0	65.6	83.2	98.7	80.9
Total Porosity, %	42.2	32.4		41.4	36.0	31.0	23.6	39.9
Volumetric Water Cont,Θw,%	18.5	23.9		34.8	23.6	25.8	23.2	32.3
Volumetric Air Cont., Θa,%	23.7	8.5		6.6	12.4	5.2	0.3	7.6
Void Ratio	0.73	0.48		0.71	0.56	0.45	0.31	0.66
Series	1	2	3	4	5	6	7	8

Note: All reported parameters are from the as-received sample condition unless otherwise noted. If an assumed specific gravity (Gs) was used then the saturation, porosities, and void ratio should be considered approximate.



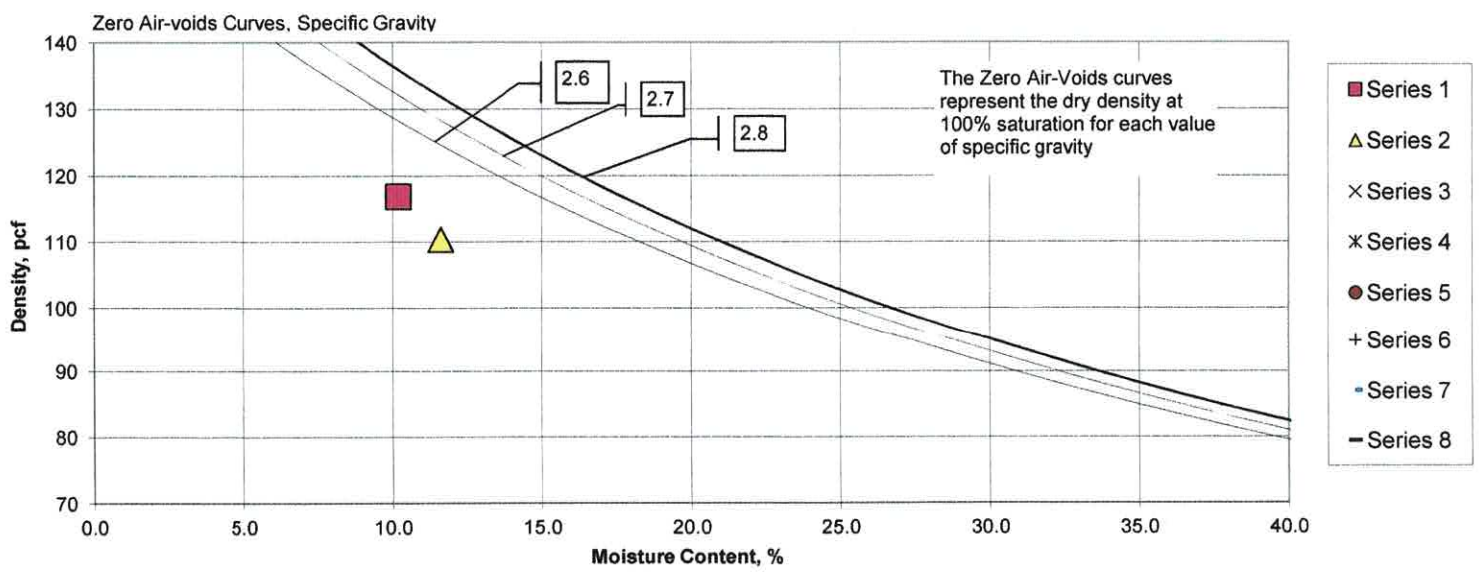
Moisture-Density-Porosity Report
Cooper Testing Labs, Inc. (ASTM D7263b)

CTL Job No:	060-2718b	**Project No.**	219036	**By:**	RU
Client:	GeoForensics	**Date:**	03/22/19		
Project Name:	Rockaway	**Remarks:**			

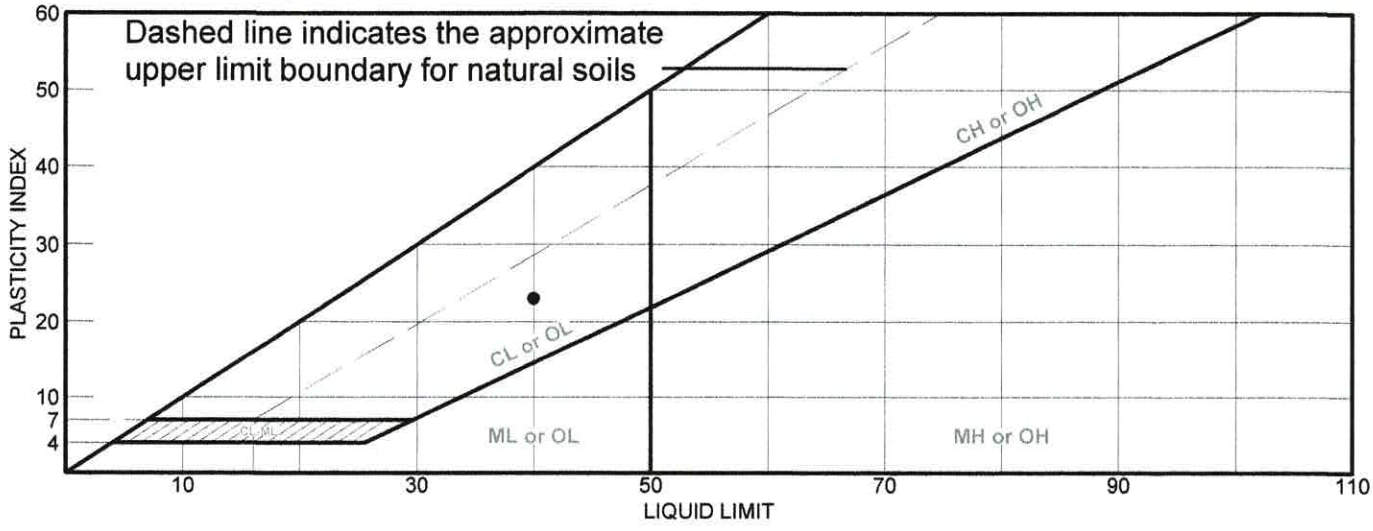
Boring:	3-2	3-3						
Sample:								
Depth, ft:	10	17						
Visual Description:	Yellowish Brown Sandy SILT	Yellowish Brown Sandy SILT						
Actual G_s								
Assumed G_s	2.70	2.70						
Moisture, %	10.2	11.6						
Wet Unit wt, pcf	128.8	123.2						
Dry Unit wt, pcf	116.9	110.4						
Dry Bulk Dens.ρb, (g/cc)	1.87	1.77						
Saturation, %	62.1	59.3						
Total Porosity, %	30.7	34.5						
Volumetric Water Cont,Θw,%	19.1	20.5						
Volumetric Air Cont., Θa,%	11.6	14.1						
Void Ratio	0.44	0.53						
Series	1	2	3	4	5	6	7	8

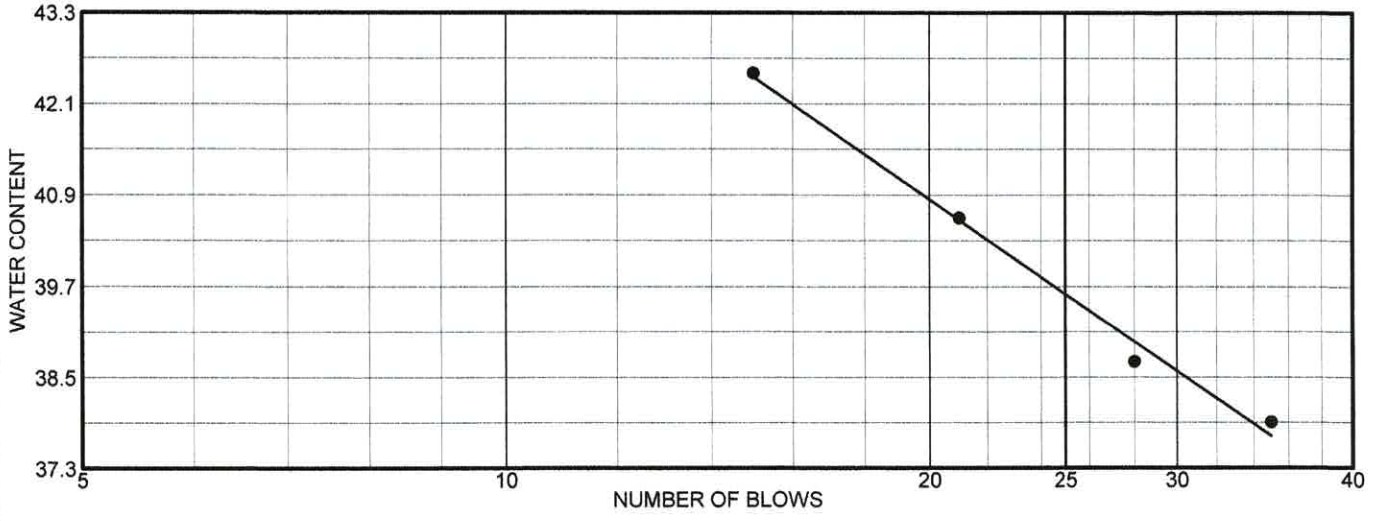
Note: All reported parameters are from the as-received sample condition unless otherwise noted. If an assumed specific gravity (Gs) was used then the saturation, porosities, and void ratio should be considered approximate.

Moisture-Density



LIQUID AND PLASTIC LIMITS TEST REPORT





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Brown Lean CLAY	40	17	23			
■	Brown SAND w/ Silt		NP	NP			

Project No. 060-2718 **Client:** GeoForensics

Project: Rockaway - 219036

● **Source:** 1-1 **Elev./Depth:** 4'

■ **Source:** 2-4 **Elev./Depth:** 22'

Remarks:

●

■ Could not roll out. Sample slides in bowl. Non-plastic.

LIQUID AND PLASTIC LIMITS TEST REPORT

COOPER TESTING LABORATORY

Figure

APPENDIX D

PHASE I ENVIRONMENTAL SITE ASSESSMENT

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AEI Consultants

October 18, 2019

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Property Information:
22422 Rockaway Lane
Hayward, Alameda County, California 94541

Project Information:
AEI Project No. 408788

Prepared For:
22422 Rockaway Lane LLC

,

Prepared By:
AEI Consultants
2500 Camino Diablo, Suite 100
Walnut Creek, California 94597-3940

Environmental Due Diligence

Building Assessments

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

Construction Risk Management

Zoning Analysis Reports & ALTA Surveys

AEI Consultants

October 18, 2019

William Frankel
22422 Rockaway Lane LLC

,

Subject: **Phase I Environmental Site Assessment**
22422 Rockaway Lane
Hayward, California 94541
AEI Project No. 408788

Dear William Frankel:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (925) 746-6010 or ggriffin@aeiconsultants.com.

Sincerely,

Greg Griffin
Sales Person
AEI Consultants

PROJECT SUMMARY

22422 Rockaway Lane, Hayward, Alameda County, California 94541
AEI Project No. 408788

Report Section		REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Review of Site and Vicinity					None
4.0	Regulatory Agency Records Review					None
5.0	Regulatory Database Records Review					None
6.0	Interviews and User Provided Information					None
7.0	Site Reconnaissance					None
8.1	Asbestos-Containing Building Materials					None
8.2	Lead-Based Paint					None
8.3	Radon					None
8.4	Mold					None

TABLE OF CONTENTS

TABLE OF APPENDICES

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by 22422 Rockaway Lane LLC to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 22422 Rockaway Lane, Hayward, Alameda County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

PROPERTY INFORMATION	
Site Address(es)	22422 Rockaway Lane, Hayward, Alameda County, California 94541
Property ID (APN or Block/Lot)	415-0230-078 and 415-0230-079
Location	Northern corner of the intersection of Rockaway Lane and A Street
Property Type	Vacant Land
SITE AND BUILDING INFORMATION	
Approximate Site Acreage/Source	0.91/Assessor
Number of Buildings	N/A
Building Construction Date(s)	N/A
Building Square Footage (SF)/Source	N/A/N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	N/A
Number of Units	N/A
Additional Improvements	N/A
On-site Occupant(s)	None identified
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
REGULATORY INFORMATION	
Regulatory Database Listing(s)	None identified

A chronological summary of historical subject property information is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1899-1915	Undeveloped or agricultural land	Topographic maps
1923	Developed with a single-family residence and outbuildings including a hen house and brood house (1410 A Street)	Sanborn map
1939-1958	Developed with single-family residences and outbuildings (418, 422, and 428 Rockaway Lane and/or 82, 90, and 98 4th Street and 1376 or 1410 A Street)	Aerial photographs, Sanborn maps, topographic maps
1966-present	Vacant land	Aerial photographs, Sanborn maps, topographic maps, observations

The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Northwest	Apartments (22412 Rockaway Lane)	None identified
Northeast	San Lorenzo Creek followed by: Vacant land and a possible contractor's yard and offices (converted house) (no occupant or address noted)	None identified
Southeast	A Street followed by: Vacant land	None identified
Southwest	Rockaway Lane followed by a duplex and house (22405, 22407, and 22419 Rockaway Lane) and an office building occupied by various law offices (1368-1382 A Street)	LUST, HIST CORTESE, CERS, EDR Hist Auto (1368 A Street)

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

FINDINGS

Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 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.

- AEI did not identify evidence of RECs during the course of this assessment.

Controlled Recognized Environmental Condition (CREC) is defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- AEI did not identify evidence of CRECs during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

- AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the ASTM Standard Practice E1527-13. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

- Based on a review of aerial photographs, Sanborn maps, and topographic maps, the subject property was historically used for agricultural purposes. There is potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. AEI understands that the subject property is slated for residential redevelopment. Consequently, it would be prudent to preform on-site sampling to determine if the subject property has been significantly impacted in connection by the historical agricultural use for the protection of the construction workers and future occupants of the subject property.

CONCLUSIONS, OPINIONS, AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) of 22422 Rockaway Lane, Hayward, Alameda County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the subject property during the course of this assessment. AEI recommends no further investigation for the subject property at this time.

1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 22422 Rockaway Lane, Hayward, Alameda County, California (Appendix A: Figures and Appendix B: Property Photographs).

1.1 SCOPE OF WORK

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with ASTM E1527-13, associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

1.2 ADDITIONAL SERVICES

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by ASTM E1527-13. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

1.3 SIGNIFICANT ASSUMPTIONS

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. ASTM Standard Practice E1527-13 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

1.5 Limiting Conditions/Deviations

The performance of this assessment was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this report. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- The User or Key site Manager did not complete the Pre-Survey Questionnaire.
- Due to the size of the subject property, AEI performed a reconnaissance of the property utilizing a field technique of traversing the site in an attempt to provide an overlapping field of view. Due to the size of the property and the vegetation present on site, isolated areas of the site may have not been accessible for direct observation during AEI's field reconnaissance. Based on historical non-commercial or non-industrial historical uses of the subject property, this limitation is not expected to significantly alter the findings of this assessment.
- On October 4, 2019, the Hayward Fire Department (HFD) was contacted for information on the subject property in order to identify historical tenants, property use and/or hazardous materials handling. Due to the time frame of this assessment, records at the HFD were not available for review. However, based on the lack of information available from other sources including the RWQCB, DTSC, ACEHD, and BAAQMD, and the historical uses of the subject property, this limitation is not expected to significantly alter the findings of this assessment.
- At the time of the site reconnaissance, the subject property was covered with vegetation and therefore could not be directly observed. Based on the historical uses of the subject property, this limitation is not expected to significantly change the findings of this report.

1.6 Data Failure and Data Gaps

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to ASTM E1527-13, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to ASTM E1527-13, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to ASTM E1527-13, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

1.6.1 DATA FAILURE

The following data failure was identified during the course of this assessment:

Data Failure	Historical sources were not obtained at five-year intervals dating back to 1940 or first developed use, (whichever is earlier). AEI was not able to track the history of the subject property between the years 1915 and 1923, 1929 and 1939, and 1939 and 1946, as none of the historical sources utilized as part of this assessment covered this time period. In the 1915 topographic map, the subject property appears to be undeveloped or agricultural land. In the 1923 Sanborn map, the subject property appears developed with a residence and outbuilding including hen houses and a brood house. In the 1929 topographic map, the subject property appears to be undeveloped or agricultural land. In the 1939 and 1946 aerial photographs, the subject property appears to be developed with residences. Thus, it is assumed that during this time period the subject property would have been developed for agricultural or residential use, if not undeveloped. Therefore, this data failure is not expected to significantly alter the findings of this assessment.
Information/Sources Consulted	City directories, Sanborn fire insurance maps, aerial photographs, topographic maps. agency records, interviews

1.6.2 SIGNIFICANT DATA GAPS

AEI did not identify significant data gaps which affected our ability to identify RECs.

1.7 RELIANCE

All reports, both verbal and written, are for the benefit of 22422 Rockaway Lane LLC. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's contract and Terms and Conditions executed by 22422 Rockaway Lane LLC on July 15, 2019. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE LOCATION AND DESCRIPTION

PROPERTY INFORMATION	
Site Address(es)	22422 Rockaway Lane, Hayward, Alameda County, California 94541
Property ID (APN or Block/Lot)	415-0230-078 and 415-0230-079
Location	Northern corner of the intersection of Rockaway Lane and A Street
Property Type	Vacant Land
SITE AND BUILDING INFORMATION	
Approximate Site Acreage/Source	0.91/Assessor
Number of Buildings	N/A
Building Construction Date(s)	N/A
Building Square Footage (SF)/Source	N/A/N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	N/A
Number of Units	N/A
Additional Improvements	N/A
On-site Occupant(s)	None identified
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
REGULATORY INFORMATION	
Regulatory Database Listing(s)	None identified

2.2 ON-SITE UTILITIES

Utility	Source/System Information
Heating System	N/A
Cooling System	N/A
Potable Water	N/A
Sewage Disposal/Treatment	N/A

Utility source/system information listed in the table above is provided by AEI observations, unless otherwise noted above. The Property is currently vacant land with no utility services; the area of the Property is served by the Pacific Gas and Electric Company (PG&E) for natural gas and electrical services (or East Bay Community Energy for electrical service) and the City of Hayward for potable water and sanitary sewage services.

2.3 SITE AND VICINITY CHARACTERISTICS

The subject property is located in a mixed residential and commercial area of Hayward, California. The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Northwest	Apartments (22412 Rockaway Lane)	None identified

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Northeast	San Lorenzo Creek followed by: Vacant land and a possible contractor's yard and offices (converted house) (no occupant or address noted)	None identified
Southeast	A Street followed by: Vacant land	None identified
Southwest	Rockaway Lane followed by a duplex and house (22405, 22407, and 22419 Rockaway Lane) and an office building occupied by various law offices (1368-1382 A Street)	LUST, HIST CORTESE, CERS, EDR Hist Auto (1368 A Street)

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

2.4 PHYSICAL SETTING

Geologic Unit: Description/Source	Qa: Holocene and Pleistocene aged surficial deposits consisting of alluvial gravel, sand, and clay and includes gravel and sand of major stream channels/ USGS and United States Department of the Interior
Soil Series: Description/Source	Botella loam, 0 to 2 percent slopes, MLRA 14: formed on alluvial fans and terraces in alluvium derived from sedimentary rock, well drained, typical profile - 16 inches of loam underlain by 63 inches of clay loam/USDA Web Soil Survey
Groundwater Flow Direction/Source	West-northwest/WRCB, Geotracker database, files for southwestern adjacent closed LUST case
Estimated Depth to Groundwater/ Source	~26.5 to 28,5 feet bgs/WRCB, Geotracker database, files for southwestern adjacent closed LUST case
Surface waters on the subject property or adjacent sites	San Lorenzo Creek - adjacent to the northeast
Additional notes	According to FEMA Flood Insurance Rate Map (FIRM) No. 06001C0287G, dated August 3, 2009, the subject property is located in Zone X, designated as an area outside the 100 and 500-year flood zones and the flood potential for the subject property is minimal. The adjacent stream channel of San Lorenzo Creek is located in Zone A, designated as an area within the 100-year flood zone.

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1899-1915	Undeveloped or agricultural land	Topographic maps
1923	Developed with a single-family residence and outbuildings including a hen house and brood house (1410 A Street)	Sanborn map
1939-1958	Developed with single-family residences and outbuildings (418, 422, and 428 Rockaway Lane and/or 82, 90, and 98 4th Street and 1376 or 1410 A Street)	Aerial photographs, Sanborn maps, topographic maps
1966-present	Vacant land	Aerial photographs, Sanborn maps, topographic maps, observations

Based on a review of aerial photographs, Sanborn maps, and topographic maps, the subject property was historically used for agricultural purposes. There is potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. AEI understands that the subject property is slated for residential redevelopment. Consequently, it would be prudent to preform on-site sampling to determine if the subject property has been significantly impacted in connection by the historical agricultural use for the protection of the construction workers and future occupants of the subject property.

If available, copies of historical sources are provided in the report appendices.

3.1 AERIAL PHOTOGRAPHS

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the ERIS collection of aerial photographs. Aerial photographs were reviewed for the following years:

Year(s)	Subject Property Description	Adjacent Site Descriptions
1939, 1946	Single-family residences	NORTHWEST: Single-family residences and rear yards or undeveloped land NORTHEAST: Stream followed by single-family residences SOUTHEAST: Roadway followed by single-family residences SOUTHWEST: Roadway followed by single-family residences and undeveloped land
1954	Details not apparent due to image resolution	Details not apparent due to image resolution

Year(s)	Subject Property Description	Adjacent Site Descriptions
1958	Single-family residences	NORTHWEST: Single-family residences and rear yards or undeveloped land NORTHEAST: Stream followed by single-family residences SOUTHEAST: Roadway followed by single-family residences SOUTHWEST: Roadway followed by commercial type buildings (possible gas station and canopy area), a single-family residence, and a duplex
1960	Details not apparent due to image resolution	Details not apparent due to image resolution
1968	Undeveloped land	NORTHWEST: Apartments NORTHEAST: Stream followed by single-family residences SOUTHEAST: Roadway followed by a single-family residence SOUTHWEST: Roadway followed by commercial type buildings (possible service station and canopy area), a single-family residence and a duplex
1974	No significant changes apparent	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: No significant changes apparent SOUTHWEST: No significant changes apparent
1980	No significant changes apparent	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: Roadway followed by vacant land SOUTHWEST: No significant changes apparent
1987	No significant changes apparent though details not apparent due to image resolution	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: No significant changes apparent SOUTHWEST: Roadway followed by vacant land, a single-family residence, and a duplex
1993	No significant changes apparent	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: No significant changes apparent SOUTHWEST: Roadway followed by vacant land, a single-family residence, and a duplex

Year(s)	Subject Property Description	Adjacent Site Descriptions
2005, 2009, 2010, 2012, 2014, 2016	No significant changes apparent	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: No significant changes apparent SOUTHWEST: Roadway followed by an office building and parking lot, a single-family residence, and a duplex

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the aerial photograph review, except for the possible gas station to the southwest from at least 1958 to 1980.

3.2 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

The following maps were reviewed:

Year(s)	Subject Property Description (Listed Address)	Adjacent Site Descriptions
1893, 1896, 1903	Area not depicted	NORTHWEST: Area not depicted NORTHEAST: Area not depicted SOUTHEAST: Area not depicted SOUTHWEST: Area not depicted
1907	Area not depicted	NORTHWEST: Area not depicted NORTHEAST: San Lorenzo Creek followed by a residence and undeveloped land SOUTHEAST: Area not depicted SOUTHWEST: A Street followed by undeveloped land
1923	Developed with a single-family residence and outbuildings including a hen house and brood house (1410 A Street)	NORTHWEST: Residences, hen houses, and outbuildings NORTHEAST: San Lorenzo Creek followed by residences, outbuildings, and vacant land SOUTHEAST: A Street followed by a residence SOUTHWEST: 4th Street (now known as Rockaway Lane) followed by a residence, hen houses, and outbuildings
1948	Developed with single-family residences and outbuildings (418, 422, and 428 Rockaway Lane and/or 82, 90, and 98 4th Street and 1376 or 1410 A Street)	NORTHWEST: Residences, outbuildings, and a hen house NORTHEAST: San Lorenzo Creek followed by residences and outbuildings SOUTHEAST: A Street followed by residences and outbuildings SOUTHWEST: Rockaway Lane followed by a residence and outbuildings

Year(s)	Subject Property Description (Listed Address)	Adjacent Site Descriptions
1950, 1953, 1956, 1957	No significant changes apparent	NORTHWEST: No significant changes apparent NORTHEAST: No significant changes apparent SOUTHEAST: No significant changes apparent SOUTHWEST: No significant changes apparent, except for the construction of a duplex
1966	Vacant land	NORTHWEST: Apartments NORTHEAST: No significant changes apparent SOUTHEAST: A Street followed by 4th Street extension and a residence SOUTHWEST: Rockaway Lane followed by a gas station, a residence, and a duplex

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the Sanborn map review, except for a gas station to the southwest in at least 1966.

3.3 City Directories

A search of historical city directories was conducted for the subject property utilizing EDR. No potential tenants of concern were identified based on AEI's review of the historical city directories. Directories were reviewed in approximate five-year increments from 1975 to 2014. The provided property address was not listed in the city directories. The following table summarizes the results of the city directory search.

Year(s)	Address - Occupant Listed
1975, 1980, 1985, 1989, 1995, 2000, 2005, 2010, 2014	22422 Rockaway Lane - no listings

If listed above, XXXX indicates that the address is valid but there is no occupancy information available.

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the city directory review.

3.4 Historical Topographic Maps

A search of historical topographic maps was conducted for the subject property utilizing NETR Online (www.historicaerials.com). Topographic maps were reviewed for the following years:

Year(s)	Subject Property Description	Adjacent Site Descriptions
1899, 1901, 1906, 1910, 1913, 1915, 1928, 1939	Undeveloped or agricultural land	NORTHWEST: Undeveloped or agricultural land NORTHEAST: San Lorenzo Creek not present; undeveloped land and a small structure SOUTHEAST: Roadway followed by San Lorenzo Creek and small structures SOUTHWEST: Undeveloped or agricultural land

Year(s)	Subject Property Description	Adjacent Site Descriptions
1950, 1957, 1960, 1961, 1966, 1969, 1974, 1980, 1997	Developed with urban density; no buildings depicted	NORTHWEST: Developed with urban density; no buildings depicted NORTHEAST: Developed with urban density; no buildings depicted SOUTHEAST: Developed with urban density; no buildings depicted SOUTHWEST: Developed with urban density; no buildings depicted
2012, 2015	No improvements depicted	NORTHWEST: No improvements depicted NORTHEAST: No improvements depicted SOUTHEAST: No improvements depicted, except for adjoining street SOUTHWEST: No improvements depicted, except for adjoining street

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the historic topographic map review.

3.5 CHAIN OF TITLE

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Alameda County Environmental Health Department (ACEHD)	October 4, 2019	Fax	Staff	No records on file

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
California Department of Toxic Substances Control (DTSC)	October 4, 2019	Fax	Carl Rose	No records on file

4.2 FIRE DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Hayward Fire Department (HFD)	October 4, 2019	Fax	Staff	Response pending, refer to Section 1.5

4.3 BUILDING DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Hayward Building Division (HBD)	October 10, 2019	Office visit	Staff	No records on file

4.4 PLANNING DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Hayward Planning Division (HPD)	October 10, 2019	Office visit	Staff	No evidence indicating the existence of AULs on file for the subject property

4.5 Assessor's Office

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Alameda County Assessor's Office	October 10, 2019	Office visit	N/A	Information obtained is discussed below

Records Summary

APN	415-0230-078 and 415-0230-079
Acreage	0.91 acres
Construction Date	N/A (vacant land)
Building Square Footage	N/A (vacant land)
Current Owner	ZIBASARA LLC

4.6 Other Agencies Searched

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
CA State Water Resources Control Board (SWRCB) GeoTracker	October 15, 2019	Website	N/A	No records on file
CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)	October 15, 2019	Website	N/A	No records on file
CA DTSC EnviroStor	October 15, 2019	Website	N/A	No records on file
Regional Water Quality Control Board - San Francisco Bay Region (RWQCB)	October 4, 2019	Fax	Melinda Wong	No records on file
Bay Area Air Quality Management District (BAAQMD)	October 4, 2019	Website	Rochelle Reed	No records on file

No other agencies were contacted during the course of this assessment.

4.7 Oil and Gas Wells

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
California Division of Oil, Gas, & Geothermal Resources (CA DOGGR)	October 15, 2019	CA DOGGR Map	No

4.8 Oil and Gas Pipelines

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping System (NPMS)	October 15, 2019	NPMS Public Map Viewer	No

4.9 State Environmental Superliens

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

4.10 State Property Transfer Laws

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The number of listed sites identified within the approximate minimum search distance from the federal and state environmental records database listings specified in ASTM Standard E1527-13 is summarized in Section 5.1, along with the total number of Orphan sites. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

Regulatory database listings associated with the subject property, adjacent site(s) and/or nearby sites of concern that were determined to warrant additional discussion are identified and further discussed in Section 5.1.

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Listings Within Search Distance	Subject Property	Adjacent Site(s)	Other Nearby Sites of Concern
NPL	1.0	0			
DELISTED NPL	0.5	0			
SEMS/CERCLIS	0.5	0			
SEMS-ARCHIVE/CERCLIS NFRAP	0.5	0			
RCRA CORRACTS	1.0	0			
RCRA-TSDF	0.5	0			
RCRA LQG, SQG, CESQGs, NLR	SP/ADJ	0			
US ENG CONTROLS	SP	0			
US INST CONTROLS	SP	0			
ERNS	SP	0			
STATE/TRIBAL HWS	1.0	11			
STATE/TRIBAL SWLF	0.5	0			
STATE/TRIBAL REGISTERED STORAGE TANKS	SP/ADJ	0			
STATE/TRIBAL LUST	0.5	16		✔	✔

Database	Search Distance (Miles)	Listings Within Search Distance	Subject Property	Adjacent Site(s)	Other Nearby Sites of Concern
STATE/TRIBAL EC and IC	SP	0			
STATE/TRIBAL VCP	0.5	2			
STATE/TRIBAL BROWNFIELD	0.5	0			
ORPHAN	N/A	3			
ADDITIONAL ENVIRONMENTAL RECORD SOURCES	SP/ADJ	1		✔	

Facility Name	Gulf Gas Station/Don's Wilshire
Address	1368 A Street
Distance & Direction	Adjacent to the southwest
Hydrologic Position	Cross- to down-gradient
Databases Listed	LUST, HIST CORTESE, CERS, EDR Hist Auto
Comments	The site was occupied by a gas station from at least 1965 to 1975. Four USTs had been present at the site and included one 10,000-gallon gasoline UST, two 8,000-gallon gasoline USTs, and one 28--gallon waste oil UST. The USTs were remove from the site in 1985. Soil samples were collected from the UST excavations, and up to 21 ppm TPHg and 18 ppm O&G were detected. Soil borings were advanced at the site in 2002, and soil samples were collected and analyzed; no suspected contaminants were detected in the soil samples. Metals were detected in the soil samples from near the former waste oil UST at concentrations within background levels. Based on the apparent soil only impacts, the LUST case was closed in 2002. Due to the expected groundwater flow direction, the apparent soil only impacts, the low concentrations of potential residual soil contamination, and the closure of the LUST case, this site is not expected to be a significant environmental concern for the Property.

Facility Name	The Car Valet/Hutch's Car Wash
Address	1367 A Street
Distance & Direction	100 feet south
Hydrologic Position	Cross- to down-gradient
Databases Listed	LUST, Alameda County CS, CA FID UST, SWEEPS UST, HIST UST, HIST CORTESE, Cortese, EDR Hist Auto

Comments	AEI reviewed records available for the site at the WRCB's GeoTracker website. The site was occupied by a car wash from at least 1969 to 2008. A gas station may have also been present onsite beginning in approximately 1962. The service station contained three underground storage tanks (USTs). These USTs were converted for use as water holding tanks for the car wash operation in 1986 when two new double-walled 10,000-gallon gasoline USTs were installed in 1986. There was a documented release of gasoline from a section of cut piping found during construction in April 1986 where gasoline odors were noted. This piping was previously used for a dispenser system that was no longer in use. Fuel sales halted in 2003, and the two USTs installed in 1986 were converted for use water tanks for the car wash operations. The fuel dispensers were removed in 2003. In 1986, three soil borings were advanced at the site adjacent to the three USTs. Up to 4,000 ppm total volatile hydrocarbons (TVH) were detected in the soil samples. In 2007, piping and fuel dispensers were removed from the site. Soil samples were collected and analyzed. None of the contaminants detected had concentrations greater than the RWQCB ESLs for soil at commercial sites where groundwater is a current or potential source of drinking water. Four soil borings were advanced in 2007 near the USTs installed in 1986 that had been converted to use as water tanks. Up to 1,300 ppm TPHg, 14 ppm ethylbenzene, 47 ppm xylenes, and 0.0063 ppm TBA were detected; concentrations of contaminants in the soil exceeded the ESLs for soil at commercial sites where groundwater is a current or potential source of drinking water. Grab groundwater samples from the borings were collected and analyzed; up to 38,000 ppb TPHg, 68 ppb benzene, 5 ppb toluene, 460 ppb ethylbenzene, 1,100 ppb xylenes, 20 ppb MTBE, and 6.2 ppb TBA were detected, exceeding ESLs for TPHg, benzene, ethylbenzene, xylenes, and MTBE for groundwater being a current or potential drinking water source. Twelve additional soil borings were advanced in 2007 on the property to define the lateral and vertical extent of contamination at the site. Up to 73 ppm TPHg, 0.36 ppm ethylbenzene, 3.3 ppm xylenes, and 0.44 ppm TBA were detected in the soil samples from the borings, exceeding the ESLs for xylenes and TBA. Grab groundwater samples were collected from the borings, and up to 220,000 TPHg, 100 ppb benzene, 1,400 ppb ethylbenzene, 1,300 ppb xylenes, 200 MTBE, and 12 ppb TBA were detected exceeding the ESLs for TPHg, benzene, ethylbenzene, xylenes, MTBE, and TBA. Thirteen additional soil borings were advanced on- and off-site in 2007. No petroleum hydrocarbons were detected in the soil samples from the borings, but up to 85,000 ppb TPHg, 2,100 ppb benzene, 7,900 ppb xylenes, and 4.7 ppb MTBE were detected in the grab groundwater samples from the wells, exceeding the ESLs for TPHg, benzene, and xylenes. Three soil borings were advanced on-site in 2017 to collect soil samples and to install soil vapor wells. No petroleum hydrocarbons was detected in the soil samples. Up to 54,000 ug/m3 TPHg, 76 ug/m3 benzene, 53 ug/m3 toluene, 14

	ug/m3 ethylbenzene, 67 ug/m3 xylenes, and 16 ug/m3 naphthalene were detected in the soil vapor samples; none of the residential or commercial ESLs were exceeded, except for benzene which slightly exceeded the ESL. One groundwater monitoring well was installed in 1986. Up to 1,183 ppm TVH was detected in the soil samples from the well's borehole, and 16.8 ppm TVH was detected in the groundwater sample from the well. Two more groundwater monitoring wells were installed in 2002, and four additional groundwater monitoring wells were installed in 2012. In April 2012, 17,000 ppb TPHg, 20 ppb benzene, 640 ppb ethylbenzene, 300 ppb xylenes, and 11 ppb MTBE were detected in the groundwater samples from the wells. The groundwater from the wells were subsequently sampled on a quarterly and semi-annual basis from 2012 to 2016. Analytical results showed an overall decline in concentrations overtime. In 2017, a groundwater monitoring event was performed as part of the evaluation of the site for a low risk based site closure; maximum concentrations had decreased to 9,700 ppb TPHg, 0.77 ppb benzene, 190 ppb ethylbenzene, 19 ppb xylenes, and 6.2 ppb MTBE. The groundwater flow direction was determined to be northwesterly, and the depth to groundwater was approximately 25 to 27 feet bgs. Based on the results of the 2017 soil vapor sampling and groundwater monitoring event, the consultant requested that the LUST case be closed as a "low threat case." In 2018, the California UST Cleanup Fund of the State Water Resources Control Board and RWQCB reviewed the LUST determined that the case did meet the criteria for "low threat" closure; however, soil vapor samples previously collected and analyzed were not analyzed for oxygen due to an oversight. Staff of the RWQCB indicted that sampling and analysis of the soil vapor for oxygen would be needed to determine if bioattenuation were occurring onsite. In addition, additional soil sampling and analyses were needed to assess the direct contact and outdoor exposure criteria. Reportedly, the USTs previously converted to use for water storage were to be removed as part of the upgrade of the car wash, and any petroleum impacted soils noted during the removals would need to be removed. If favorable results were received from the additional investigation, the case would be re-evaluated for closure. No reports or work plans for further activities were available at the GeoTracker website. While the LUST is still active and groundwater contamination was identified, the site does not appear to pose a significant environmental concern for the Property due to the expected groundwater flow direction and the contamination plume's distance from the Property.

5.2 VAPOR MIGRATION

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

Based on a review of available resources as documented in this report, AEI did not identify significant on-site concerns and/or regulated listings from nearby sites which suggest that a vapor-phase migration concern currently exists at the subject property.

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to ASTM E1527-13, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

6.1.1 OWNER AND KEY SITE MANAGER

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner Representative	Amkai LLC	N/A	None	2019	Not interviewed; refer to Section 1.5
Key Site Manager	William Frankel	October 10, 2019	Email	2019	Interviewed; see Interview Summary table below

Interview Summary

Question	Owner (Representative) Response/ Comment	Key Site Manager Response/ Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	N/A	No
Do you have any knowledge of previous environmental investigations conducted on site?	N/A	No
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	N/A	No
Are you aware of any known plans for site redevelopment or change in site use?	N/A	No
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	No
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	No
Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	N/A	No
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	N/A	No

6.1.2 PAST OWNERS, OPERATORS, AND OCCUPANTS

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.

6.1.3 Interview with Others

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User and Pre-Survey Questionnaires or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental liens that are filed or recorded against the property (40 CFR 312.25) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	Information not provided
2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	Information not provided
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?	Information not provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Information not provided

Question	Response/ Comment
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: (a) Do you know the past uses of the property? (b) Do you know of specific chemicals that are present or once were present at the property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property?	Information not provided
6. The degree of obviousness of the presence or 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?	Information not provided

6.3 Previous Reports and Other Provided Documentation

Documentation was provided to AEI by Mr. William Frankel during this assessment. A summary of this information follows:

Geotechnical Investigation for Proposed Apartment Complex, Rockaway Lane Property, 22422 Rockaway Lane, Hayward, California, prepared by GeoForensics Inc. (GFI) (March 27, 2019)

Three soil borings were advanced at the Property as part of the geotechnical investigation. Two CPT soundings were also advanced at the Property to supplement the conventional soil borings. The Property was underlain by approximately 5.5 to 6.5 feet of silty clay underlain by approximately 5 of sandy silt, and 3.5 to 15 silty sand or silty gravelly sand. Groundwater was encountered in the deepest boring at approximately 29 feet bgs which later had recovered to 27 feet bgs.

A copy of the report is included in the appendices.

Note: If the above documentation was not prepared by AEI, the information obtained was not verified for accuracy and a critique of the information contained therein is beyond the scope of this assessment.

6.4 Environmental Lien Search

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.

7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	October 10, 2019
AEI Site Assessor(s)	Edward MacDaniel
Property Escort(s)/ Relationship(s) to Property	AEI was unaccompanied during the site visit.
Units/Areas Observed	Undeveloped parcels of the Property
Area(s) not accessed and reason(s)	N/A
Other Physical Constraints	Abandoned debris and vegetation Refer to Section 1.5 for discussion of limiting condition(s).

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjacent Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use		
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)		
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids	✔	✔
Interior Stains or Corrosion		
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers		
Pits, Ponds, and Lagoons		
Stained Soil or Pavement		
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems		
Biomedical Wastes		
Other		

7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

ELECTRICAL OR MECHANICAL EQUIPMENT LIKELY TO CONTAIN FLUIDS

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Transformers

Type	Quantity	Owner	Presumed Date of Installation	Spills or Stains Observed (Yes/No)	Non-PCB Label (Yes/ No)
Pole-Mounted	3	PG&E	Unknown	No	No

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Transformers installed prior to 1977 may be PCB containing while transformers installed after 1977 are unlikely to be PCB containing. Federal Regulations (40 CFR 761 Subpart G) require any release of material containing >50 ppm PCB and occurring after May 4, 1987, be cleaned up by the transformer owner following the United States EPA's PCB spill cleanup policy.

AEI did not observe evidence of spills, staining, or leaks on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

7.2 ADJACENT PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

ELECTRICAL OR MECHANICAL EQUIPMENT LIKELY TO CONTAIN FLUIDS

Transformers

Pole-mounted transformers were observed on the adjacent sites during the site reconnaissance. No spills, staining, or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

8.0 NON-ASTM SERVICES

8.1 ASBESTOS-CONTAINING BUILDING MATERIALS

The subject property is currently vacant land or lacks structures. Consequently, no building components containing suspect asbestos containing materials were identified during the site inspection.

8.2 LEAD-BASED PAINT

The subject property is currently vacant land or lacks structures. Consequently, AEI did not observe building components likely to contain suspect LBP during the site reconnaissance.

8.3 RADON

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The United States EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three radon zones, with Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 2, which has a predicted average indoor screening level between 2 pCi/L and 4 pCi/L, equal to or below the action level of 4 pCi/L set forth by the US EPA.

8.4 MOLD

The subject property is currently vacant land or lacks structures. Consequently, mold was not addressed as part of this assessment.

9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

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 Part 312.

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.

Prepared By:

Edward MacDaniel
Associate Consultant

Reviewed By:

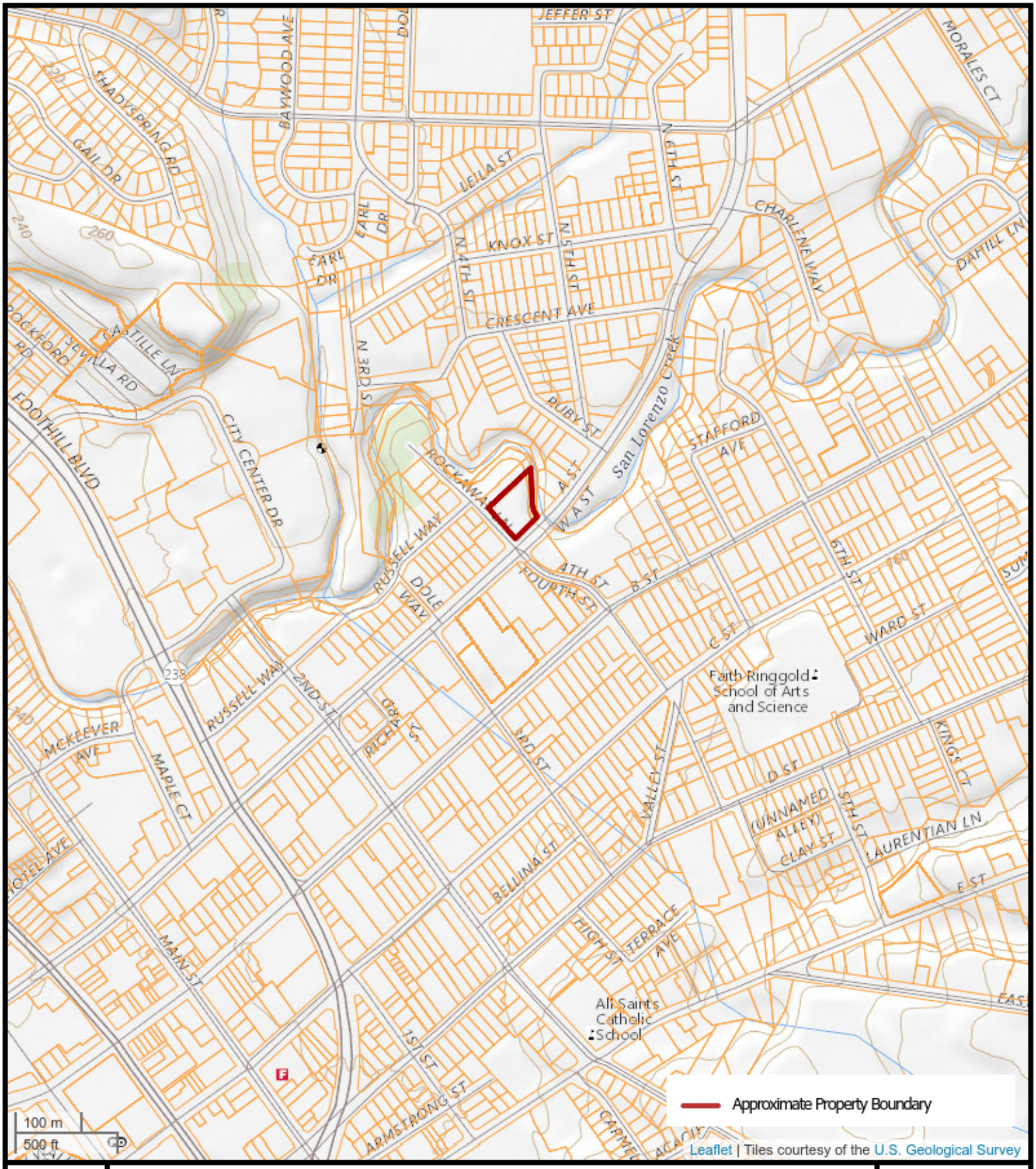
Richard D. Fehler
Senior Author

10.0 REFERENCES

Item	Date(s)	Source
Soils Information	Accessed October 2019	USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Topographic Map	2015	USGS, Hayward
Depth to Groundwater Information	Accessed October 2019	WRCB GeoTracker, Files for nearby fuel leak sites
Aerial Photographs	1939-2016	ERIS
Sanborn Map Report/Search	1893-1966	EDR
City Directories	1974-2014	EDR
Historical Topographic Maps	1899-2015	NETR Online (www.historicaerials.com)
Environmental Health Department	October 4, 2019	Alameda County Environmental Health Department
State Environmental Agency	October 4, 2019	California Department of Toxic Substances Control
Fire Department	October 4, 2019	Hayward Fire Department
Building Department	October 10, 2019	Hayward Building Division
Planning Department	October 10, 2019	Hayward Planning Division
Assessor's Information and Parcel Map	October 10, 2019	Alameda County Assessor's Office
Other Agencies Searched	October 4, 2019 October 15, 2019	RWQCB, BAAQMD SWRCB GeoTracker, DTSC HWTS, and DTSC EnviroStor databases
Oil and Gas Wells	October 15, 2019	California Division of Oil, Gas, & Geothermal Resources
Oil and Gas Pipelines	October 15, 2019	NPMS Public Map Viewer https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf
Regulatory Database Report	July 19, 2019	EDR
Interview with Key Site Manager	October 9, 2019	William Frankel
Previous Report(s)	March 27, 2019	*Geotechnical Investigation for Proposed Apartment Complex, Rockaway Lane Property, 22422 Rockaway Lane, Hayward, California*, prepared by GeoForensics Inc. (GFI)
Radon Zone Information	1993	US EPA Map of Radon Zones https://www.epa.gov/radon

APPENDIX A

FIGURES



N

FIGURE 1: TOPOGRAPHIC MAP

22422 Rockaway Lane, Hayward, California 94541

AEI Project Number: 408788

AEI Consultants

N

FIGURE 2: SITE MAP

22422 Rockaway Lane, Hayward, California 94541

AEI Project Number: 408788

AEI Consultants

APPENDIX B

PROPERTY PHOTOGRAPHS

1. The subject property from the southwest (1 of 4)

2. The subject property from the southwest (2 of 4)

3. The subject property from the southwest (3 of 4)

4. The subject property from the southwest (4 of 4)

5. The subject property from the south

6. The subject property from the southeast

7. The subject property from the west (1 of 2)

8. The subject property from the west (2 of 2)

9. The subject property from near the northern corner (1 of 5)

10. The subject property from near the northern corner (2 of 5)

11. The subject property from near the northern corner (3 of 5)

12. The subject property from near the northern corner (4 of 5)

13. The subject property from near the northern corner (5 of 5)

14. The subject property from its southeastern property line (1 of 5)

15. The subject property from its southeastern property line (2 of 5)

16. The subject property from its southeastern property line (3 of 5)

17. The subject property from its southeastern property line (4 of 5)

18. The subject property from its southeastern property line (5 of 5)

19. The subject property from its southern corner (1 of 3)

20. The subject property from its southern corner (2 of 3)

21. The subject property from its southern corner (3 of 3)

22. The subject property from its southwestern property line (1 of 5)

23. The subject property from its southwestern property line (2 of 5)

24. The subject property from its southwestern property line (3 of 5)

25. The subject property from its southwestern property line (4 of 5)

26. The subject property from its southwestern property line (5 of 5)

27. The subject property from its western corner (1 of 3)

28. The subject property from its western corner (2 of 3)

29. The subject property from its western corner (3 of 3)

30. Pole-mounted transformers along Rockaway Lane

31. The central area of the subject property

32. The apartments to the northwest

33. The San Lorenzo Creek adjacent to the northeast

34. The fenced yard and house/office to the northeast

35. The vacant land to the southeast

36. The southwestern adjacent properties

37. Another view of the properties to the southwest

APPENDIX C

REGULATORY DATABASE

408788
22422 Rockaway Lane
Castro Valley, CA 94546

Inquiry Number: 5721612.2s
July 19, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

22422 ROCKAWAY LANE
CASTRO VALLEY, CA 94546

COORDINATES

Latitude (North):	37.6793130 - 37° 40' 45.52''
Longitude (West):	122.0770370 - 122° 4' 37.33''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	581388.2
UTM Y (Meters):	4170431.0
Elevation:	91 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640616 HAYWARD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606, 20140608
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
22422 ROCKAWAY LANE
CASTRO VALLEY, CA 94546

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	GULF	1368 A ST	LUST, HIST CORTESE, CERS	Higher	97, 0.018, SW
A2	DON S WILSHIRE	1368 A ST	EDR Hist Auto	Higher	97, 0.018, SW
B3	CAR VALET THE	1367 A ST	EDR Hist Auto	Higher	298, 0.056, South
B4	HUTCH'S CAR WASH	1367 A ST	SWEEPS UST	Higher	298, 0.056, South
B5	HUTCH'S CAR WASH	1367 A ST	LUST, Alameda County CS, CA FID UST, Cortese, HIST...	Higher	298, 0.056, South
B6	HUTCH'S CAR WASH	1367 "A" STREET	HIST UST	Higher	298, 0.056, South
C7	BAY CITY LAUNDRY	22543 RUBY ST	EDR Hist Cleaner	Higher	300, 0.057, NE
B8	SERVICE MASTER OF HA	22575 4TH ST	EDR Hist Cleaner	Higher	371, 0.070, SSE
B9	HUTCHS QUIK LUBE	1360 B ST	EDR Hist Auto	Higher	492, 0.093, South
B10	HUTCH'S QUICK LUBE	1360 B STREET	AST	Higher	513, 0.097, South
B11	HAYWARD QUICK LUBE,	1360 B ST	UST	Higher	513, 0.097, South
B12	HUTCH'S EXPRESS LUBE	1360 B ST	SWEEPS UST, CA FID UST	Higher	513, 0.097, South
B13	QQF VENTURE, LLC/HAY	1360 B ST	CERS HAZ WASTE, CERS TANKS, CERS	Higher	513, 0.097, South
D14	DUTRA ENTERPRISES, I	1410 B STREET	RCRA NonGen / NLR	Higher	528, 0.100, SE
D15	TRACT 8427 - B STREE	B STREET AND 4TH STR	ENVIROSTOR, VCP	Higher	542, 0.103, SE
D16	AT&T CORP. - P5E22	1391 B ST	UST	Higher	561, 0.106, SSE
D17	AT&T CORP. - P5E22	1391 B ST	CERS HAZ WASTE, CERS TANKS, CERS	Higher	561, 0.106, SSE
D18	A T & T COMMUNICATIO	1391 B ST	LUST, SWEEPS UST, CA FID UST, EMI, HIST CORTESE,...	Higher	561, 0.106, SSE
D19	AT&T	1391 B ST	RCRA NonGen / NLR	Higher	561, 0.106, SSE
D20	AT&T CORPORATION - P	1391 B ST	UST	Higher	561, 0.106, SSE
C21	EEN PROPERTY MANAGEM	1780 A STREET #5	RCRA NonGen / NLR	Higher	567, 0.107, NE
E22	VINNY'S SERVICE STAT	1301 B ST	HIST UST	Higher	837, 0.159, South
E23	VINNYS SERVICE STATI	1301 B STREET	HIST UST	Higher	837, 0.159, South
E24	COCCHI PROPERTY	1301 B ST	LUST, HIST CORTESE, CERS	Higher	837, 0.159, South
25	PACIFIC BELL	1265 B STREET	RCRA NonGen / NLR, FINDS, ECHO	Higher	1037, 0.196, SSW
26	CASA SANDOVAL LLC	1200 RUSSELL WAY	RCRA NonGen / NLR	Higher	1055, 0.200, WSW
27	UNIVERSAL AUTOBODY S	1551 B INDUSTRIAL PK	RCRA NonGen / NLR	Higher	1166, 0.221, East
28	SUNSHINE CENTER CLEA	22530 2ND STREET	RCRA-SQG, FINDS, ECHO, EMI, CERS	Higher	1175, 0.223, SSW
F29	CHEVRON	1194 B	HIST CORTESE	Higher	1431, 0.271, SSW
F30	FORMER TIDEWATER SER	1191 B STREET	LUST, CERS	Higher	1463, 0.277, SSW
F31	FORMER CHEVRON SERVI	1190 B ST	LUST, CERS	Higher	1465, 0.277, SSW
G32	SILVER WOLF INVESTME	22470 FOOTHILL BLVD.	LUST, CERS	Higher	1739, 0.329, SW
33	BEACON STATION #574	22315 REDWOOD RD	LUST, Alameda County CS, SWEEPS UST, HIST UST, CA...	Higher	1775, 0.336, NNE
H34	SELIX FORMALWEAR (FO	22401-22487 FOOTHILL	CPS-SLIC, CERS	Higher	1872, 0.355, WSW
H35	WORLDCO CO	22401-2248 FOOTHILL	CPS-SLIC	Higher	1872, 0.355, WSW
G36	LONGS STORE #472	22501 FOOTHILL BLVD	LUST, CERS	Higher	1884, 0.357, SW
37	FORMER GASOLINE STAT	1701 B ST	CPS-SLIC, CERS	Higher	1932, 0.366, East
38	92960	2416 GROVEWAY	LUST, Alameda County CS, SWEEPS UST, HIST UST, CA...	Higher	2100, 0.398, NNE
I39	HAYWARD GAS MART INC	22690 FOOTHILL BLVD	LUST, UST, Cortese	Higher	2110, 0.400, SSW

MAPPED SITES SUMMARY

Target Property Address:
22422 ROCKAWAY LANE
CASTRO VALLEY, CA 94546

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	HAYWARD GAS MART	22690 FOOTHILL BLVD	LUST, CA FID UST, HIST CORTESE, CERS	Higher	2110, 0.400, SSW
J41	UNOCAL SS #7319	22253 FOOTHILL BLVD	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, CERS	Higher	2182, 0.413, West
J42	WORLD OIL #76	22253 FOOTHILL BLVD	LUST	Higher	2182, 0.413, West
43	MAIN AND MAPLE MIXED	22330 MAIN STREET	ENVIROSTOR, VCP	Higher	2293, 0.434, SW
K44	22695 FOOTHILL BLVD	22695 FOOTHILL BLVD	CPS-SLIC	Higher	2417, 0.458, SSW
K45	22695 FOOTHILL BLVD	22695 FOOTHILL BLVD	CPS-SLIC, DEED, HAZNET, CERS	Higher	2417, 0.458, SSW
46	GOODYEAR TIRE & RUBB	1015 A ST	LUST, HIST CORTESE, CERS	Higher	2466, 0.467, SW
47	CHEVRON STATION #902	21995 FOOTHILL BLVD	LUST, Alameda County CS, SWEEPS UST, CA FID UST,...	Higher	2584, 0.489, West
48	TIBURCIO VASQUEZ HEA	22331 MISSION BLVD.	ENVIROSTOR	Higher	3174, 0.601, WSW
49	MONTGOMERY STREET PR	21659 MISSION BOULEV	ENVIROSTOR	Lower	4490, 0.850, West
50	GRAND PLACE, LLC	22815 SUTRO STREET	ENVIROSTOR, VCP, DEED, HAZNET	Higher	4894, 0.927, SSW
51	DISCOUNT AUTO SALES	21153 FOOTHILL BLVD	ENVIROSTOR, CPS-SLIC, Alameda County CS, CERS	Higher	5138, 0.973, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

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 CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

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

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

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
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

PFAS ..... PFAS Contamination Site Location Listing

Local Land Records

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
US MINES ..... Mines Master Index File
ABANDONED MINES ..... Abandoned Mines
FINDS ..... Facility Index System/Facility Registry System
UXO ..... Unexploded Ordnance Sites
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
ECHO ..... Enforcement & Compliance History Information
FUELS PROGRAM ..... EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ..... Bond Expenditure Plan

CUPA Listings - CUPA Resources 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
HWP - EnviroStor Permitted Facilities Listing
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
Notify 65 - Proposition 65 Records
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

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 03/25/2019 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUNSHINE CENTER CLEA EPA ID:: CAD981642481	***22530 2ND STREET***	***SSW 1/8 - 1/4 (0.223 mi.)***	***28***	***91***

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 04/29/2019 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRACT 8427 - B STREE Facility Id: 60002770 Status: No Further Action	***B STREET AND 4TH STR***	***SE 0 - 1/8 (0.103 mi.)***	***D15***	***47***
MAIN AND MAPLE MIXED Facility Id: 60002780 Status: Active	***22330 MAIN STREET***	***SW 1/4 - 1/2 (0.434 mi.)***	***43***	***152***
TIBURCIO VASQUEZ HEA Facility Id: 1800003 Status: No Action Required	22331 MISSION BLVD.	WSW 1/2 - 1 (0.601 mi.)	48	174
GRAND PLACE, LLC Facility Id: 1010007 Status: Active	***22815 SUTRO STREET***	***SSW 1/2 - 1 (0.927 mi.)***	***50***	***176***
DISCOUNT AUTO SALES Facility Id: 1550003 Status: Refer: Other Agency	***21153 FOOTHILL BLVD***	***WNW 1/2 - 1 (0.973 mi.)***	***51***	***180***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MONTGOMERY STREET PR	21659 MISSION BOULEV	W 1/2 - 1 (0.850 mi.)	49	175

Facility Id: 60000807
Status: Inactive - Needs Evaluation

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 16 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GULF	***1368 A ST***	***SW 0 - 1/8 (0.018 mi.)***	***A1***	***8***
Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 2, Date of Government Version: 09/30/2004 Status: Completed - Case Closed Facility Id: 01-1873 Facility Status: Case Closed Global Id: T0600101736 date9: 9/15/2002				
HUTCH'S CAR WASH	***1367 A ST***	***S 0 - 1/8 (0.056 mi.)***	***B5***	***13***
Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 2, Date of Government Version: 09/30/2004 Status: Open - Verification Monitoring Facility Id: 01-0785 Facility Status: Pollution Characterization Global Id: T0600100722				
A T & T COMMUNICATIO	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D18***	***72***
Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 2, Date of Government Version: 09/30/2004 Status: Completed - Case Closed Facility Id: 01-1874 Facility Status: Leak being confirmed Global Id: T0600101737				
COCCHI PROPERTY	***1301 B ST***	***S 1/8 - 1/4 (0.159 mi.)***	***E24***	***84***
Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 2, Date of Government Version: 09/30/2004 Status: Completed - Case Closed Facility Id: 01-0439 Facility Status: Case Closed Global Id: T0600100399 date9: 2/14/1994				
FORMER TIDEWATER SER	***1191 B STREET***	***SSW 1/4 - 1/2 (0.277 mi.)***	***F30***	***101***
Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T10000000708				
FORMER CHEVRON SERVI	***1190 B ST***	***SSW 1/4 - 1/2 (0.277 mi.)***	***F31***	***104***
Database: LUST, Date of Government Version: 12/10/2018 Database: LUST REG 2, Date of Government Version: 09/30/2004				

Status: Completed - Case Closed
Facility Id: 01-0311
Facility Status: Pollution Characterization
Global Id: T0600100286

SILVER WOLF INVESTME ***22470 FOOTHILL BLVD.*** ***SW 1/4 - 1/2 (0.329 mi.)*** ***G32*** ***106***
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Global Id: T0600169560

BEACON STATION #574 ***22315 REDWOOD RD*** ***NNE 1/4 - 1/2 (0.336 mi.)*** ***33*** ***109***
Database: LUST, Date of Government Version: 12/10/2018
Database: LUST REG 2, Date of Government Version: 09/30/2004
Status: Completed - Case Closed
Facility Id: 01-0167
Facility Status: Preliminary site assessment underway
Global Id: T0600100155

LONGS STORE #472 ***22501 FOOTHILL BLVD*** ***SW 1/4 - 1/2 (0.357 mi.)*** ***G36*** ***118***
Database: LUST, Date of Government Version: 12/10/2018
Database: LUST REG 2, Date of Government Version: 09/30/2004
Status: Completed - Case Closed
Facility Id: 01-2529
Facility Status: Case Closed
Global Id: T0600191447
date9: 8/3/2001

92960 ***2416 GROVEWAY*** ***NNE 1/4 - 1/2 (0.398 mi.)*** ***38*** ***121***
Database: LUST, Date of Government Version: 12/10/2018
Database: LUST REG 2, Date of Government Version: 09/30/2004
Status: Completed - Case Closed
Facility Id: 01-0346
Facility Status: Remedial action (cleanup) Underway
Global Id: T0600100318

HAYWARD GAS MART INC ***22690 FOOTHILL BLVD*** ***SSW 1/4 - 1/2 (0.400 mi.)*** ***I39*** ***139***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Id: 01-2027
Facility Status: Pollution Characterization

HAYWARD GAS MART ***22690 FOOTHILL BLVD*** ***SSW 1/4 - 1/2 (0.400 mi.)*** ***I40*** ***141***
Database: LUST, Date of Government Version: 12/10/2018
Status: Open - Eligible for Closure
Global Id: T0600101872

UNOCAL SS #7319 ***22253 FOOTHILL BLVD*** ***W 1/4 - 1/2 (0.413 mi.)*** ***J41*** ***145***
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Global Id: T0600172854
Global Id: T0600101864

WORLD OIL #76 22253 FOOTHILL BLVD W 1/4 - 1/2 (0.413 mi.) J42 152
Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Id: 01-2018
Facility Status: Case Closed
date9: 3/30/2000

GOODYEAR TIRE & RUBB ***1015 A ST*** ***SW 1/4 - 1/2 (0.467 mi.)*** ***46*** ***157***
Database: LUST, Date of Government Version: 12/10/2018
Database: LUST REG 2, Date of Government Version: 09/30/2004
Status: Completed - Case Closed

Facility Id: 01-0713
Facility Status: Case Closed
Global Id: T0600100657
date9: 10/15/2002

CHEVRON STATION #902 ***21995 FOOTHILL BLVD*** ***W 1/4 - 1/2 (0.489 mi.)*** ***47*** ***159***
Database: LUST, Date of Government Version: 12/10/2018
Database: LUST REG 2, Date of Government Version: 09/30/2004
Status: Open - Assessment & Interim Remedial Action
Facility Id: 01-0343
Facility Status: Remediation Plan
Global Id: T0600100315

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
SELIX FORMALWEAR (FO	***22401-22487 FOOTHILL***	***WSW 1/4 - 1/2 (0.355 mi.)***	***H34***	***117***
Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Open - Assessment & Interim Remedial Action Global Id: SL1824N1155				
WORLDCO CO	22401-2248 FOOTHILL	WSW 1/4 - 1/2 (0.355 mi.)	H35	118
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: 01S0548				
FORMER GASOLINE STAT	***1701 B ST***	***E 1/4 - 1/2 (0.366 mi.)***	***37***	***120***
Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Completed - Case Closed Global Id: T10000006250				
22695 FOOTHILL BLVD	22695 FOOTHILL BLVD	SSW 1/4 - 1/2 (0.458 mi.)	K44	155
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: 01S0583				
22695 FOOTHILL BLVD	***22695 FOOTHILL BLVD***	***SSW 1/4 - 1/2 (0.458 mi.)***	***K45***	***155***
Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Completed - Case Closed Global Id: SL0002020095				

Alameda County CS: 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).

A review of the Alameda County CS list, as provided by EDR, and dated 01/09/2019 has revealed that there are 4 Alameda County CS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S CAR WASH	***1367 A ST***	***S 0 - 1/8 (0.056 mi.)***	***B5***	***13***

Record Id: RO0002560

BEACON STATION #574 Record Id: RO0000355 Status: Pollution Characterization Status: Case Closed	***22315 REDWOOD RD***	***NNE 1/4 - 1/2 (0.336 mi.)***	***33***	***109***
92960 Record Id: RO0000275 Status: Pollution Characterization Status: Verificaiton Monitoring Underway Status: Case Closed	***2416 GROVEWAY***	***NNE 1/4 - 1/2 (0.398 mi.)***	***38***	***121***
CHEVRON STATION #902 Record Id: RO0000383 Status: Remedial Action Underway	***21995 FOOTHILL BLVD***	***W 1/4 - 1/2 (0.489 mi.)***	***47***	***159***

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 are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HAYWARD QUICK LUBE, Database: UST, Date of Government Version: 12/10/2018 Facility Id: 01-003-117602	1360 B ST	S 0 - 1/8 (0.097 mi.)	B11	22
AT&T CORP. - P5E22 Database: UST, Date of Government Version: 12/10/2018 Facility Id: 10-030-005401	1391 B ST	SSE 0 - 1/8 (0.106 mi.)	D16	50
AT&T CORPORATION - P Database: UST, Date of Government Version: 12/10/2018 Facility Id: 01-003-005401	1391 B ST	SSE 0 - 1/8 (0.106 mi.)	D20	81

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 is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S QUICK LUBE Database: AST, Date of Government Version: 07/06/2016	1360 B STREET	S 0 - 1/8 (0.097 mi.)	B10	21

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 04/29/2019 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRACT 8427 - B STREE	***B STREET AND 4TH STR***	***SE 0 - 1/8 (0.103 mi.)***	***D15***	***47***
Status: No Further Action				
Facility Id: 60002770				
MAIN AND MAPLE MIXED	***22330 MAIN STREET***	***SW 1/4 - 1/2 (0.434 mi.)***	***43***	***152***
Status: Active				
Facility Id: 60002780				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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 04/09/2019 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QQF VENTURE, LLC/HAY	***1360 B ST***	***S 0 - 1/8 (0.097 mi.)***	***B13***	***23***
AT&T CORP. - P5E22	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D17***	***50***

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 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S CAR WASH	1367 A ST	S 0 - 1/8 (0.056 mi.)	B4	11
Status: A				
Tank Status: A				
Comp Number: 2516				
HUTCH'S EXPRESS LUBE	***1360 B ST***	***S 0 - 1/8 (0.097 mi.)***	***B12***	***22***

Status: A
Tank Status: A
Comp Number: 1177

A T & T COMMUNICATIO	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D18***	***72***

Status: A
Tank Status: A
Comp Number: 54

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 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S CAR WASH Facility Id: 00000002516	1367 "A" STREET	S 0 - 1/8 (0.056 mi.)	B6	19
VINNY'S SERVICE STAT Facility Id: 00000066920	1301 B ST	S 1/8 - 1/4 (0.159 mi.)	E22	83
VINNYS SERVICE STATI	1301 B STREET	S 1/8 - 1/4 (0.159 mi.)	E23	84

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 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S CAR WASH Facility Id: 01000908 Status: A	***1367 A ST***	***S 0 - 1/8 (0.056 mi.)***	***B5***	***13***
HUTCH'S EXPRESS LUBE Facility Id: 01002860 Status: A	***1360 B ST***	***S 0 - 1/8 (0.097 mi.)***	***B12***	***22***
A T & T COMMUNICATIO Facility Id: 01002844 Status: A	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D18***	***72***

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 04/09/2019 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QQF VENTURE, LLC/HAY	***1360 B ST***	***S 0 - 1/8 (0.097 mi.)***	***B13***	***23***
AT&T CORP. - P5E22	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D17***	***50***

EXECUTIVE SUMMARY

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 03/04/2019 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
22695 FOOTHILL BLVD	***22695 FOOTHILL BLVD***	***SSW 1/4 - 1/2 (0.458 mi.)***	***K45***	***155***
Status: COMPLETED - CASE CLOSED				
Envirostor ID: SL0002020095				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/25/2019 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUTRA ENTERPRISES, I	1410 B STREET	SE 0 - 1/8 (0.100 mi.)	D14	46
EPA ID:: CAC002983302				
AT&T	1391 B ST	SSE 0 - 1/8 (0.106 mi.)	D19	80
EPA ID:: CAL000401623				
EEN PROPERTY MANAGEM	1780 A STREET #5	NE 0 - 1/8 (0.107 mi.)	C21	82
EPA ID:: CAC002974860				
PACIFIC BELL	***1265 B STREET***	***SSW 1/8 - 1/4 (0.196 mi.)***	***25***	***87***
EPA ID:: CAD050676261				
CASA SANDOVAL LLC	1200 RUSSELL WAY	WSW 1/8 - 1/4 (0.200 mi.)	26	89
EPA ID:: CAL000411111				
UNIVERSAL AUTOBODY S	1551 B INDUSTRIAL PK	E 1/8 - 1/4 (0.221 mi.)	27	90
EPA ID:: CAL000168524				

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/25/2019 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUTCH'S CAR WASH	***1367 A ST***	***S 0 - 1/8 (0.056 mi.)***	***B5***	***13***
Cleanup Status: OPEN - VERIFICATION MONITORING				
HAYWARD GAS MART INC	***22690 FOOTHILL BLVD***	***SSW 1/4 - 1/2 (0.400 mi.)***	***I39***	***139***

Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE

CHEVRON STATION #902	***21995 FOOTHILL BLVD***	***W 1/4 - 1/2 (0.489 mi.)***	***47***	***159***

Cleanup Status: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION

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 11 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GULF Reg Id: 01-1873	***1368 A ST***	***SW 0 - 1/8 (0.018 mi.)***	***A1***	***8***
HUTCH'S CAR WASH Reg Id: 01-0785	***1367 A ST***	***S 0 - 1/8 (0.056 mi.)***	***B5***	***13***
A T & T COMMUNICATIO Reg Id: 01-1874	***1391 B ST***	***SSE 0 - 1/8 (0.106 mi.)***	***D18***	***72***
COCCHI PROPERTY Reg Id: 01-0439	***1301 B ST***	***S 1/8 - 1/4 (0.159 mi.)***	***E24***	***84***
CHEVRON Reg Id: 01-0311	1194 B	SSW 1/4 - 1/2 (0.271 mi.)	F29	101
BEACON STATION #574 Reg Id: 01-0167	***22315 REDWOOD RD***	***NNE 1/4 - 1/2 (0.336 mi.)***	***33***	***109***
92960 Reg Id: 01-0346	***2416 GROVEWAY***	***NNE 1/4 - 1/2 (0.398 mi.)***	***38***	***121***
HAYWARD GAS MART Reg Id: 01-2027	***22690 FOOTHILL BLVD***	***SSW 1/4 - 1/2 (0.400 mi.)***	***I40***	***141***
UNOCAL SS #7319 Reg Id: 01-2018	***22253 FOOTHILL BLVD***	***W 1/4 - 1/2 (0.413 mi.)***	***J41***	***145***
GOODYEAR TIRE & RUBB Reg Id: 01-0713	***1015 A ST***	***SW 1/4 - 1/2 (0.467 mi.)***	***46***	***157***
CHEVRON STATION #902 Reg Id: 01-0343	***21995 FOOTHILL BLVD***	***W 1/4 - 1/2 (0.489 mi.)***	***47***	***159***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DON S WILSHIRE	1368 A ST	SW 0 - 1/8 (0.018 mi.)	A2	10
CAR VALET THE	1367 A ST	S 0 - 1/8 (0.056 mi.)	B3	10
HUTCHS QUIK LUBE	1360 B ST	S 0 - 1/8 (0.093 mi.)	B9	21

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

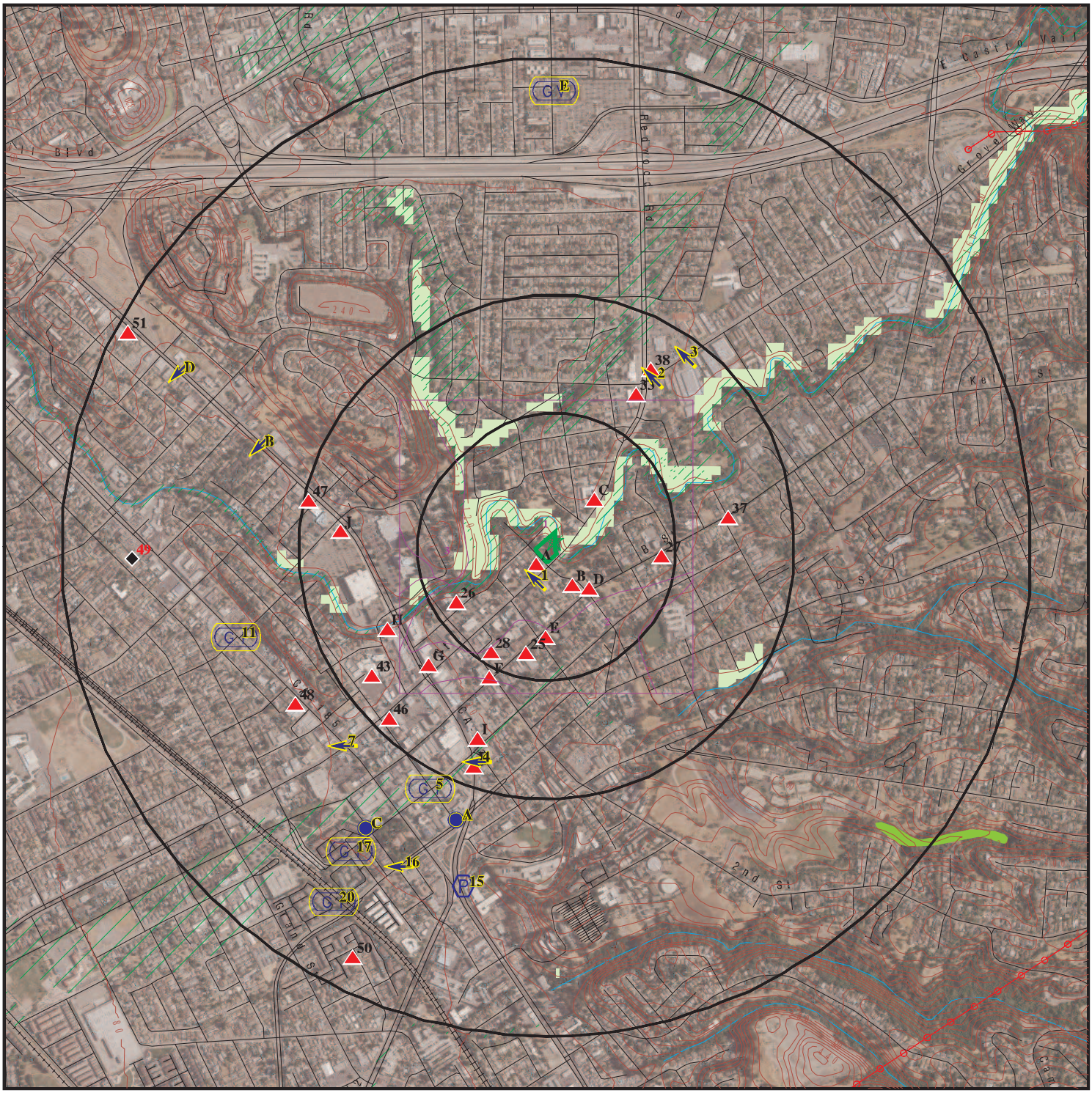
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY CITY LAUNDRY	22543 RUBY ST	NE 0 - 1/8 (0.057 mi.)	C7	20
SERVICE MASTER OF HA	22575 4TH ST	SSE 0 - 1/8 (0.070 mi.)	B8	21

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
CALTRANS MAINTENANCE STATION - SIT	Alameda County CS
CALTRANS 238 ONRAMP / GAS STATION	Alameda County CS
CALTRANS 238 ONRAMP / GAS STATION	LUST

OVERVIEW MAP - 5721612.2S



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: 408788	CLIENT: AEI Consultants
ADDRESS: 22422 Rockaway Lane Castro Valley CA 94546	CONTACT: Tony Chilese
LAT/LONG: 37.679313 / 122.077037	INQUIRY #: 5721612.2s DATE: July 19, 2019 1:05 pm

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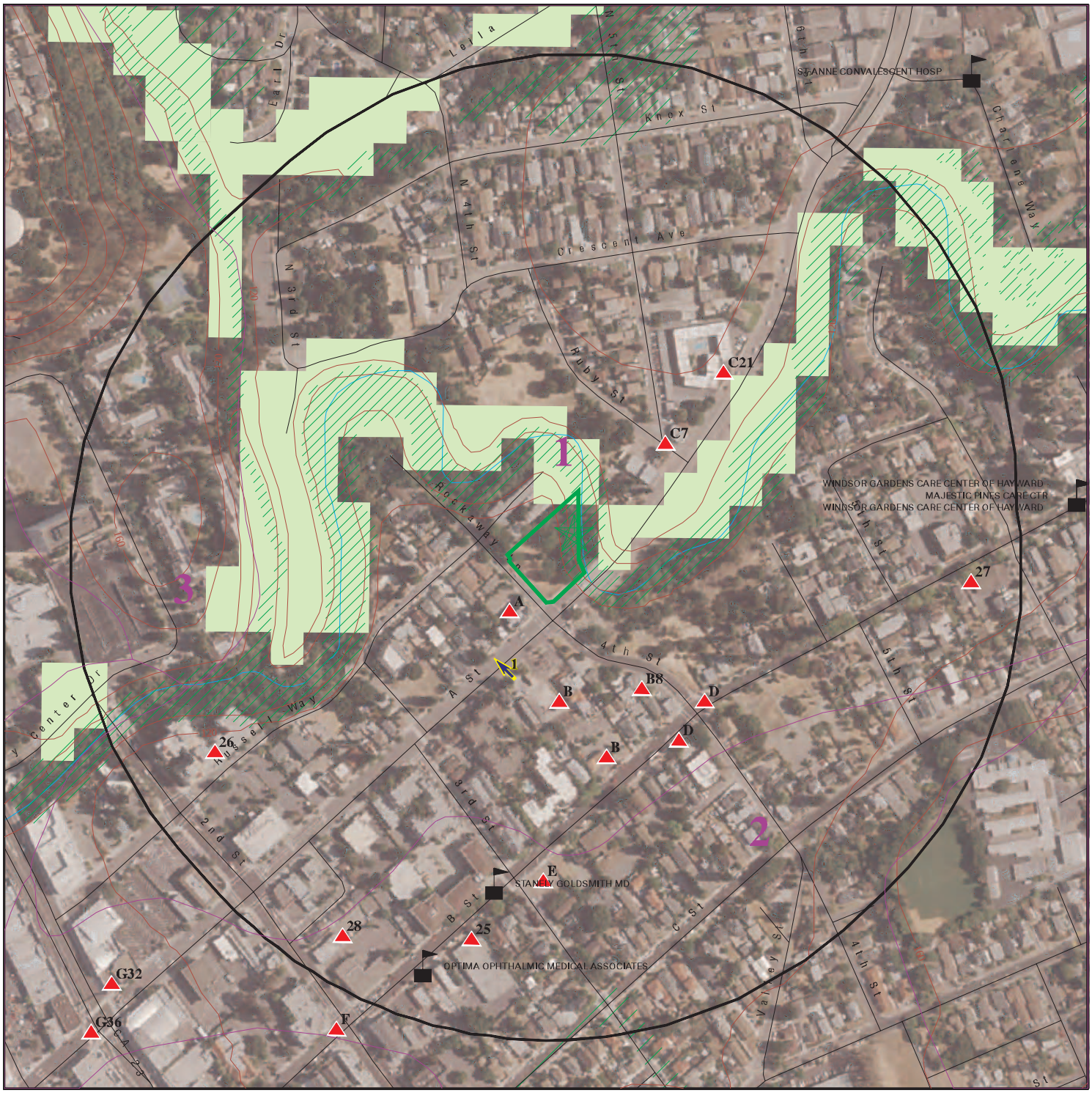
DETAIL MAP - 5721612.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

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: 408788	CLIENT: AEI Consultants
ADDRESS: 22422 Rockaway Lane Castro Valley CA 94546	CONTACT: Tony Chilese INQUIRY #: 5721612.2s
LAT/LONG: 37.679313 / 122.077037	DATE: July 19, 2019 1:11 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	1.000		0	0	0	0	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	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
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	1	NR	NR	NR	1
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	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		1	0	1	4	NR	6
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		3	1	12	NR	NR	16

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
Alameda County CS	0.500		1	0	3	NR	NR	4
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	0	NR	NR	NR	3
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		1	0	1	NR	NR	2
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	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	0	NR	NR	NR	2
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		3	0	NR	NR	NR	3
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		3	0	NR	NR	NR	3
CERS TANKS	0.250		2	0	NR	NR	NR	2
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	3	NR	NR	NR	6
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	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		1	0	2	NR	NR	3
CUPA Listings	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		3	1	7	NR	NR	11
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	33	8	32	4	0	77

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **GULF** **LUST** **S101306461**
SW **1368 A ST** **HIST CORTESE** **N/A**
< 1/8 **HAYWARD, CA 94541** **CERS**
0.018 mi.
97 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
127 ft.

LUST:

Name:	GULF
Address:	1368 A ST
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600101736
Global Id:	T0600101736
Latitude:	37.678679
Longitude:	-122.077723
Status:	Completed - Case Closed
Status Date:	09/15/2002
Case Worker:	DMG
RB Case Number:	01-1873
Local Agency:	HAYWARD, CITY OF
File Location:	Not reported
Local Case Number:	01-1873
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0600101736
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported

Global Id:	T0600101736
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0600101736
Action Type:	Other
Date:	04/04/1994
Action:	Leak Discovery

Global Id:	T0600101736
Action Type:	RESPONSE
Date:	10/21/2002
Action:	Other Report / Document

Global Id:	T0600101736
Action Type:	RESPONSE

GULF (Continued) **S101306461**

Date: 10/09/2002
Action: Request for Closure

Global Id: T0600101736
Action Type: Other
Date: 04/04/1994
Action: Leak Stopped

Global Id: T0600101736
Action Type: Other
Date: 04/04/1994
Action: Leak Reported

LUST:
Global Id: T0600101736
Status: Completed - Case Closed
Status Date: 09/15/2002

Global Id: T0600101736
Status: Open - Case Begin Date
Status Date: 04/04/1994

Global Id: T0600101736
Status: Open - Site Assessment
Status Date: 01/25/1996

LUST REG 2:
Region: 2
Facility Id: 01-1873
Facility Status: Case Closed
Case Number: 01-1873
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/25/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:
edr_fname: GULF
edr_fadd1: 1368 A
City,State,Zip: HAYWARD, CA
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1873

CERS:
Name: GULF

GULF (Continued) **S101306461**

Address: 1368 A ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 242516
CERS ID: T0600101736
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

A2 **DON S WILSHIRE** **EDR Hist Auto** **1009011189**
SW **1368 A ST** **N/A**
< 1/8 **HAYWARD, CA**
0.018 mi.
97 ft. **Site 2 of 2 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: **127 ft.**

Year:	Name:	Type:
1965	DON S WILSHIRE	GASOLINE STATIONS
1970	GULF SERVICE STATION	GASOLINE STATIONS
1976	A STREET GULF SERVICE	GASOLINE STATIONS

B3 **CAR VALET THE** **EDR Hist Auto** **1009015896**
South **1367 A ST** **N/A**
< 1/8 **HAYWARD, CA**
0.056 mi.
298 ft. **Site 1 of 10 in cluster B**

Relative: EDR Hist Auto
Higher

Actual: **129 ft.**

Year:	Name:	Type:
1969	HUTCHINSON A R	Carwashes
1970	CAR VALET THE	GASOLINE STATIONS
1970	HUTCHINSON A R	Carwashes
1971	HUTCHINSON A R	Carwashes
1976	CAR VALET THE	GASOLINE STATIONS
1982	A & 4TH CARWASH	Carwashes
1983	A & 4TH CARWASH	Carwashes

CAR VALET THE (Continued) **1009015896**

1985	A & 4TH CARWASH	Carwashes
1985	FREMONT CAR WASH INC	Carwashes
1986	FREMONT CAR WASH INC	Carwashes
1987	FREMONT CAR WASH INC	Carwashes
1988	FREMONT CAR WASH INC	Carwashes
1989	FREMONT CAR WASH INC	Carwashes, NEC
1990	FREMONT CAR WASH INC	Carwashes, NEC
1991	FREMONT CAR WASH INC	Carwashes, NEC
1992	FREMONT CAR WASH INC	Carwashes
1994	FREMONT CAR WASH INC	Carwashes
1996	FREMONT CAR WASH INC	Carwashes
1997	FREMONT CAR WASH INC	Carwashes
1998	FREMONT CAR WASH INC	Carwashes
1999	FREMONT CAR WASH INC	Carwashes
2000	FREMONT CAR WASH INC	Carwashes
2001	TEXACO	Gasoline Service Stations
2001	FREMONT CAR WASH INC	Carwashes
2002	FREMONT CAR WASH INC	Carwashes
2003	FREMONT CAR WASH INC	Carwashes
2004	FREMONT CAR WASH INC	Carwashes
2005	FREMONT CAR WASH INC	Carwashes
2006	FREMONT CAR WASH INC	Carwashes
2007	FREMONT CAR WASH INC	Carwashes
2008	FREMONT CAR WASH INC	Carwashes

B4 **HUTCH'S CAR WASH** **SWEEPS UST** **U003970598**
South **1367 A ST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.056 mi.
298 ft. **Site 2 of 10 in cluster B**

Relative: **Higher**
Actual: **129 ft.**

SWEEPS UST:

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD
Status:	Active
Comp Number:	2516
Number:	1
Board Of Equalization:	44-000791
Referral Date:	07-08-93
Action Date:	07-08-93
Created Date:	02-29-88
Owner Tank Id:	#1
SWRCB Tank Id:	01-003-002516-000005
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD
Status:	Active
Comp Number:	2516
Number:	1

HUTCH'S CAR WASH (Continued) **U003970598**

Board Of Equalization:	44-000791
Referral Date:	07-08-93
Action Date:	07-08-93
Created Date:	02-29-88
Owner Tank Id:	#2
SWRCB Tank Id:	01-003-002516-000006
Tank Status:	A
Capacity:	5000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD
Status:	Not reported
Comp Number:	2516
Number:	Not reported
Board Of Equalization:	44-000791
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-003-002516-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD
Status:	Not reported
Comp Number:	2516
Number:	Not reported
Board Of Equalization:	44-000791
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-003-002516-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD

HUTCH'S CAR WASH (Continued) **U003970598**

Status:	Not reported
Comp Number:	2516
Number:	Not reported
Board Of Equalization:	44-000791
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-003-002516-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City:	HAYWARD
Status:	Not reported
Comp Number:	2516
Number:	Not reported
Board Of Equalization:	44-000791
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-003-002516-000004
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

B5 **HUTCH'S CAR WASH** **LUST** **S101623657**
South **1367 A ST** **Alameda County CS** **N/A**
< 1/8 **HAYWARD, CA 94541** **CA FID UST**
0.056 mi. **Cortese**
298 ft. **Site 3 of 10 in cluster B** **HIST CORTESE**

Relative:
Higher

Actual:
129 ft.

LUST:

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100722
Global Id:	T0600100722
Latitude:	37.678285108
Longitude:	-122.077371
Status:	Open - Verification Monitoring
Status Date:	11/19/2013
Case Worker:	KEB
RB Case Number:	01-0785
Local Agency:	HAYWARD, CITY OF

HUTCH'S CAR WASH (Continued) **S101623657**

File Location: Local Agency
Local Case Number: 01-0785
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Transfer of oversight from the Hayward Fire Department to the Regional Board on 12/30/2013. A gasoline service station occupied the site starting in 1968. The service station contained three underground storage tanks (USTs). These three USTs were converted for use as water holding tanks for the car wash operation in 1986 when two new double-walled 10,000-gallon USTs were installed in 1986 to contain gasoline. There was a documented release of gasoline from a section of cut piping found during construction in April 1986 where gasoline odors were identified. This piping was previously used for a dispenser system that was no longer in use. Fuel sales stopped in 2003, and the two USTs installed in 1986 began to be used to hold water for the car wash operation. The fuel dispensers were removed at that time in 2003. Two groundwater monitoring wells were installed in 2002, which were in addition to the one pre-existing groundwater monitoring well. (07/30/2012 Soil and Groundwater Assessment Report)

LUST:
Global Id: T0600100722
Contact Type: Local Agency Caseworker
Contact Name: DANILO M. GALANG
Organization Name: HAYWARD, CITY OF
Address: 777 B STREET
City: HAYWARD
Email: danny.galang@hayward-ca.gov
Phone Number: Not reported

Global Id: T0600100722
Contact Type: Regional Board Caseworker
Contact Name: KEVIN BROWN
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: kebrown@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600100722
Action Type: RESPONSE
Date: 01/29/2016
Action: Monitoring Report - Quarterly

Global Id: T0600100722
Action Type: RESPONSE
Date: 02/18/2016
Action: Correspondence

Global Id: T0600100722
Action Type: RESPONSE
Date: 01/07/2007
Action: Other Report / Document

Global Id: T0600100722
Action Type: RESPONSE

HUTCH'S CAR WASH (Continued) **S101623657**

Date: 11/01/2016
Action: Other Report / Document

Global Id: T0600100722
Action Type: Other
Date: 04/16/1986
Action: Leak Stopped

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 06/28/2016
Action: File Review - Closure

Global Id: T0600100722
Action Type: Other
Date: 04/16/1986
Action: Leak Reported

Global Id: T0600100722
Action Type: RESPONSE
Date: 05/08/2018
Action: Correspondence

Global Id: T0600100722
Action Type: RESPONSE
Date: 10/13/2017
Action: Correspondence

Global Id: T0600100722
Action Type: RESPONSE
Date: 09/18/2017
Action: Correspondence

Global Id: T0600100722
Action Type: RESPONSE
Date: 05/08/2018
Action: Correspondence

Global Id: T0600100722
Action Type: RESPONSE
Date: 12/28/2017
Action: Other Report / Document

Global Id: T0600100722
Action Type: RESPONSE
Date: 05/02/2013
Action: Other Report / Document

Global Id: T0600100722
Action Type: RESPONSE
Date: 08/15/2013
Action: Other Report / Document

Global Id: T0600100722
Action Type: RESPONSE
Date: 10/12/2018
Action: Clean Up Fund - 5-Year Review Summary

HUTCH'S CAR WASH (Continued) **S101623657**

Global Id: T0600100722
Action Type: RESPONSE
Date: 12/28/2017
Action: Other Report / Document

Global Id: T0600100722
Action Type: RESPONSE
Date: 09/20/2017
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0600100722
Action Type: RESPONSE
Date: 05/09/2018
Action: Request for Closure - Regulator Responded

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 05/16/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100722
Action Type: RESPONSE
Date: 09/23/2016
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 07/28/2011
Action: Staff Letter

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 10/13/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 11/19/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 12/30/2013
Action: Referral to Regional Board

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 06/19/2015
Action: File Review - Closure

Global Id: T0600100722
Action Type: ENFORCEMENT

HUTCH'S CAR WASH (Continued) **S101623657**

Date: 04/04/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 11/08/2016
Action: Site Visit / Inspection / Sampling

Global Id: T0600100722
Action Type: RESPONSE
Date: 05/11/2018
Action: Email Correspondence

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 11/08/2016
Action: Site Visit / Inspection / Sampling

Global Id: T0600100722
Action Type: ENFORCEMENT
Date: 11/08/2016
Action: Site Visit / Inspection / Sampling

Global Id: T0600100722
Action Type: Other
Date: 04/16/1986
Action: Leak Discovery

LUST:
Global Id: T0600100722
Status: Open - Case Begin Date
Status Date: 04/16/1986

Global Id: T0600100722
Status: Open - Inactive
Status Date: 08/12/2009

Global Id: T0600100722
Status: Open - Site Assessment
Status Date: 04/18/1986

Global Id: T0600100722
Status: Open - Site Assessment
Status Date: 03/29/2007

Global Id: T0600100722
Status: Open - Site Assessment
Status Date: 05/21/2007

Global Id: T0600100722
Status: Open - Verification Monitoring
Status Date: 01/10/1991

Global Id: T0600100722
Status: Open - Verification Monitoring
Status Date: 11/19/2013

HUTCH'S CAR WASH (Continued) **S101623657**

LUST REG 2:

Region:	2
Facility Id:	01-0785
Facility Status:	Pollution Characterization
Case Number:	01-0785
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	4/18/1986
Pollution Characterization Began:	11/15/2002
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Alameda County CS:

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City,State,Zip:	HAYWARD, CA 94541
Status:	11
Record Id:	RO0002560
PE:	5602
Facility Status:	Not reported
Latitude:	37.678161319
Longitude:	-122.07758832

CA FID UST:

Facility ID:	01000908
Regulated By:	UTNKA
Regulated ID:	00002516
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	1367 A ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	HAYWARD 94541
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	HUTCH'S CAR WASH
Address:	1367 A ST
City,State,Zip:	HAYWARD, CA 94541
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0600100722
Site/Facility Type:	LUST CLEANUP SITE

HUTCH'S CAR WASH (Continued) **S101623657**

Cleanup Status:	OPEN - VERIFICATION MONITORING
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	HUTCH CAR WASH
edr_fadd1:	1367 A
City,State,Zip:	HAYWARD, CA
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0785

B6 **HUTCH'S CAR WASH** **HIST UST** **U001596994**
South **1367 "A" STREET** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.056 mi.
298 ft. **Site 4 of 10 in cluster B**

Relative:
Higher

Actual:
129 ft.

HIST UST:

Name:	HUTCH'S CAR WASH
Address:	1367 "A" STREET
City,State,Zip:	HAYWARD, CA 94541
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000002516
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	A.R. HUTCHISON
Telephone:	4152781500
Owner Name:	FREMONT CAR WASH, INC.
Owner Address:	17945 HESPERIAN BLVD.
Owner City,St,Zip:	SAN LORENZO, CA 94580
Total Tanks:	0006
Tank Num:	001
Container Num:	#6
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported

HUTCH'S CAR WASH (Continued) **U001596994**

Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#5
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#4
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	#3
Year Installed:	1962
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	#1
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	#2
Year Installed:	1962
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

C7 **BAY CITY LAUNDRY** **EDR Hist Cleaner** **1009141336**
NE **22543 RUBY ST** **N/A**
< 1/8 **HAYWARD, CA**
0.057 mi.
300 ft. **Site 1 of 2 in cluster C**

Relative: EDR Hist Cleaner
Higher

Actual: **130 ft.**

Year:	Name:	Type:
1940	HAYWARD LAUNDRY	LAUNDRIES
1951	BAY CITY LAUNDRY	LAUNDRIES

B8 **SERVICE MASTER OF HAYWARD** **EDR Hist Cleaner** **1009139721**
SSE **22575 4TH ST** **N/A**
< 1/8 **HAYWARD, CA**
0.070 mi.
371 ft. **Site 5 of 10 in cluster B**

Relative: EDR Hist Cleaner
Higher

Actual: **127 ft.**

Year:	Name:	Type:
1970	SERVICE MASTER OF HAYWARD	CARPET AND RUG CLEANERS
1970	SERVICEMASTER OF HAYWARD	CARPET CLEANERS
1970	SERVICE MASTER OF HAYWARD	RUG CLEANERS
1976	SERVICE MASTER OF HAYWARD	CARPET AND RUG CLEANERS

B9 **HUTCHS QUIK LUBE** **EDR Hist Auto** **1021727222**
South **1360 B ST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.093 mi.
492 ft. **Site 6 of 10 in cluster B**

Relative: EDR Hist Auto
Higher

Actual: **130 ft.**

Year:	Name:	Type:
1996	HUTCHS QUIK LUBE	Automotive Maintenance Services
1997	HUTCHS QUIK LUBE	Automotive Maintenance Services
1998	HUTCHS QUIK LUBE	Automotive Maintenance Services
1999	HUTCHS QUIK LUBE	Automotive Maintenance Services
2000	HUTCHS QUIK LUBE	Automotive Maintenance Services
2001	HUTCHS QUIK LUBE	Automotive Maintenance Services
2002	HUTCHS QUIK LUBE	Automotive Maintenance Services
2003	HUTCHS QUIK LUBE	Automotive Maintenance Services
2004	HUTCHS QUIK LUBE	Automotive Maintenance Services
2005	HUTCHS QUIK LUBE	Automotive Maintenance Services
2006	HUTCHS QUIK LUBE	Automotive Maintenance Services
2007	HUTCHS QUIK LUBE	Automotive Maintenance Services
2008	HUTCHS QUIK LUBE	Automotive Maintenance Services

B10 **HUTCH'S QUICK LUBE** **AST** **A100339135**
South **1360 B STREET** **N/A**
< 1/8 **HAYWARD, CA**
0.097 mi.
513 ft. **Site 7 of 10 in cluster B**

Relative: AST:
Higher

Actual: **130 ft.**

Name:	HUTCH'S QUICK LUBE
Address:	1360 B STREET
City/Zip:	HAYWARD,
Certified Unified Program Agencies:	Hayward
Owner:	HUTCH'S CAR WASH
Total Gallons:	4,600
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

HUTCH'S QUICK LUBE (Continued) **A100339135**

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

B11 **HAYWARD QUICK LUBE, LP** **UST** **U003970597**
South **1360 B ST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.097 mi.
513 ft. **Site 8 of 10 in cluster B**

Relative: **Higher**

Actual: **130 ft.**

UST:

Name:	HAYWARD QUICK LUBE, L.P
Address:	1360 B ST
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	01-003-117602
Permitting Agency:	Hayward City Fire Department
Latitude:	37.67746
Longitude:	-122.0767

Name:	HAYWARD QUICK LUBE, LP
Address:	1360 B ST
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	01-003-117602
Permitting Agency:	HAYWARD, CITY OF
Latitude:	37.6788059
Longitude:	-122.075351

B12 **HUTCH'S EXPRESS LUBE** **SWEEPS UST** **S101580438**
South **1360 B ST** **CA FID UST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.097 mi.
513 ft. **Site 9 of 10 in cluster B**

Relative: **Higher**

Actual: **130 ft.**

SWEEPS UST:

Name:	HUTCH'S EXPRESS LUBE
Address:	1360 B ST
City:	HAYWARD
Status:	Active
Comp Number:	1177
Number:	5
Board Of Equalization:	Not reported
Referral Date:	07-02-93
Action Date:	03-24-94

HUTCH'S EXPRESS LUBE (Continued) **S101580438**

Created Date: 07-25-92
Owner Tank Id: 1
SWRCB Tank Id: 01-003-001177-000001
Tank Status: A
Capacity: 2000
Active Date: 07-25-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 1

CA FID UST:
Facility ID: 01002860
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5105389274
Mail To: Not reported
Mailing Address: 1360 B ST
Mailing Address 2: Not reported
Mailing City,St,Zip: HAYWARD 94541
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B13 **QQF VENTURE, LLC/HAYWARD LUBE** **CERS HAZ WASTE** **S123512443**
South **1360 B ST** **CERS TANKS** **N/A**
< 1/8 **HAYWARD, CA 94541** **CERS**
0.097 mi.
513 ft. **Site 10 of 10 in cluster B**

Relative:
Higher

Actual:
130 ft.

CERS HAZ WASTE:
Site ID: 35766
CERS ID: 10443502
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 01-29-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
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. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/27/2018. New ownership must amend their business Plan
Violation Division: Hayward City Fire Department
Violation Program: HMRRP

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 07-20-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 02/03/2016.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 04-25-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 05/22/2017.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection paased
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST inspection paased
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	LQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	APSA Tier I, SPCC plan passed
Eval Division:	Hayward City Fire Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection failed due to a leaking spill bucket
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - Note facility 1 year Temporary Closure permit expired and facility put the UST back into compliance by conducting the annual monitoring and certification inspection
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval Date: 01-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HMBP / Business Plan failed inspection -
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Site Address: 1360 B ST
Site City: HAYWARD
Site Zip: 94541
Enf Action Date: 04-25-2017
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: Hayward City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Site Address: 1360 B ST
Site City: HAYWARD
Site Zip: 94541
Enf Action Date: 07-20-2015
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: Hayward City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Coordinates:
Site ID: 35766
Facility Name: QQF Venture, LLC/Hayward Lube

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Env Int Type Code:	HWG
Program ID:	10443502
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677460
Longitude:	-122.076700

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eddie Black
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Tina Martin
Entity Title:	Executive Assistant
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:	Jason Johnson
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Oil Changers #806
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
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:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792

Affiliation Type Desc:	Document Preparer
Entity Name:	Tina Martin
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:	Operator
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation Zip: Not reported
Affiliation Phone: (888) 772-2792

Affiliation Type Desc: UST Tank Owner
Entity Name: OIL CHANGER, INC.
Entity Title: Not reported
Affiliation Address: 4511 Willow Road, Suite 1
Affiliation City: Pleasanton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94588
Affiliation Phone: (925) 734-5816

CERS TANKS:
Name: QQF VENTURE, LLC/HAYWARD LUBE
Address: 1360 B ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 35766
CERS ID: 10443502
CERS Description: Aboveground Petroleum Storage

Violations:
Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 01-29-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
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. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/27/2018. New ownership must amend their business Plan
Violation Division: Hayward City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 07-20-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 02/03/2016.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Violation Date:	04-25-2017
Citation:	HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes:	Returned to compliance on 05/22/2017.
Violation Division:	Hayward City Fire Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection paased
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection paased
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	LQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	APSA Tier I, SPCC plan passed
Eval Division:	Hayward City Fire Department
Eval Program:	APSA
Eval Source:	CERS

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection failed due to a leaking spill bucket
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - Note facility 1 year Temporary Closure permit expired and facility put the UST back into compliance by conducting the annual monitoring and certification inspection
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMBP / Business Plan failed inspection -
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval Date:	11-08-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	35766
Site Name:	QQF Venture, LLC/Hayward Lube
Site Address:	1360 B ST
Site City:	HAYWARD
Site Zip:	94541
Enf Action Date:	04-25-2017
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:	Hayward City Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS

Site ID:	35766
Site Name:	QQF Venture, LLC/Hayward Lube
Site Address:	1360 B ST
Site City:	HAYWARD
Site Zip:	94541
Enf Action Date:	07-20-2015
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:	Hayward City Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS

Coordinates:

Site ID:	35766
Facility Name:	QQF Venture, LLC/Hayward Lube
Env Int Type Code:	HWG
Program ID:	10443502
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677460
Longitude:	-122.076700

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eddie Black
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Tina Martin
Entity Title:	Executive Assistant
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:	Jason Johnson
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Oil Changers #806
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	Document Preparer
Entity Name:	Tina Martin
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:	Operator
Entity Name:	QQF Venture, 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:	(888) 772-2792
Affiliation Type Desc:	UST Tank Owner
Entity Name:	OIL CHANGER, INC.
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816
Name:	QQF VENTURE, LLC/HAYWARD LUBE
Address:	1360 B ST
City,State,Zip:	HAYWARD, CA 94541

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Site ID: 35766
CERS ID: 10443502
CERS Description: Underground Storage Tank

Violations:
Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 01-29-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
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. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/27/2018. New ownership must amend their business Plan
Violation Division: Hayward City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 07-20-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 02/03/2016.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 04-25-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 05/22/2017.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection paased
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection paased
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	LQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	APSA Tier I, SPCC plan passed
Eval Division:	Hayward City Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection failed due to a leaking spill bucket
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - Note facility 1 year Temporary Closure permit expired and facility put the UST back into compliance by conducting the annual monitoring and certification inspection
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMBP / Business Plan failed inspection -
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	35766
Site Name:	QQF Venture, LLC/Hayward Lube
Site Address:	1360 B ST
Site City:	HAYWARD
Site Zip:	94541
Enf Action Date:	04-25-2017
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

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Enf Action Division:	Hayward City Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS
Site ID:	35766
Site Name:	QQF Venture, LLC/Hayward Lube
Site Address:	1360 B ST
Site City:	HAYWARD
Site Zip:	94541
Enf Action Date:	07-20-2015
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:	Hayward City Fire Department
Enf Action Program:	UST
Enf Action Source:	CERS

Coordinates:

Site ID:	35766
Facility Name:	QQF Venture, LLC/Hayward Lube
Env Int Type Code:	HWG
Program ID:	10443502
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677460
Longitude:	-122.076700

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900
Affiliation Type Desc:	Environmental Contact
Entity Name:	Eddie Black
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tina Martin
Entity Title:	Executive Assistant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Jason Johnson
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Oil Changers #806
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
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:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	Document Preparer
Entity Name:	Tina Martin
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:	Operator
Entity Name:	QQF Venture, 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:	(888) 772-2792
Affiliation Type Desc:	UST Tank Owner
Entity Name:	OIL CHANGER, INC.
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816

CERS:

Name:	QQF VENTURE, LLC/HAYWARD LUBE
Address:	1360 B ST
City,State,Zip:	HAYWARD, CA 94541
Site ID:	35766
CERS ID:	10443502
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	35766
Site Name:	QQF Venture, LLC/Hayward Lube
Violation Date:	01-29-2018
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
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. A substantial change in the handler's operations that requires modification to any portion of the business plan.

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Violation Notes: Returned to compliance on 02/27/2018. New ownership must amend their business Plan
Violation Division: Hayward City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 07-20-2015
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 02/03/2016.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Violation Date: 04-25-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 05/22/2017.
Violation Division: Hayward City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection paased
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST inspection paased

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	LQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	APSA Tier I, SPCC plan passed
Eval Division:	Hayward City Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-20-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection failed due to a leaking spill bucket
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - Note facility 1 year Temporary Closure permit expired and facility put the UST back into compliance by conducting the annual monitoring and certification inspection
Eval Division:	Hayward City Fire Department

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HMBP / Business Plan failed inspection -
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Site Address: 1360 B ST
Site City: HAYWARD
Site Zip: 94541
Enf Action Date: 04-25-2017
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: Hayward City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 35766
Site Name: QQF Venture, LLC/Hayward Lube
Site Address: 1360 B ST
Site City: HAYWARD
Site Zip: 94541
Enf Action Date: 07-20-2015
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: Hayward City Fire Department
Enf Action Program: UST
Enf Action Source: CERS

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Coordinates:

Site ID:	35766
Facility Name:	QQF Venture, LLC/Hayward Lube
Env Int Type Code:	HWG
Program ID:	10443502
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677460
Longitude:	-122.076700

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eddie Black
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Tina Martin
Entity Title:	Executive Assistant
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:	Jason Johnson
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Oil Changers #806
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95661
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Oil Changers
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:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	QQF Venture, LLC
Entity Title:	Not reported
Affiliation Address:	1380 Lead Hill Blvd, Suite 260
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95661
Affiliation Phone:	(888) 772-2792
Affiliation Type Desc:	Document Preparer
Entity Name:	Tina Martin
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:	Operator
Entity Name:	QQF Venture, LLC

QQF VENTURE, LLC/HAYWARD LUBE (Continued) **S123512443**

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:	(888) 772-2792
Affiliation Type Desc:	UST Tank Owner
Entity Name:	OIL CHANGER, INC.
Entity Title:	Not reported
Affiliation Address:	4511 Willow Road, Suite 1
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94588
Affiliation Phone:	(925) 734-5816

D14 **DUTRA ENTERPRISES, INC** **RCRA NonGen / NLR** **1024763438**
SE **1410 B STREET** **CAC002983302**
< 1/8 **HAYWARD, CA 94541**
0.100 mi.
528 ft. **Site 1 of 7 in cluster D**

Relative:
Higher

Actual:
129 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/03/2018
Facility name:	DUTRA ENTERPRISES, INC
Facility address:	1410 B STREET HAYWARD, CA 94541
EPA ID:	CAC002983302
Mailing address:	43360 MISSION BLVD. SUITE 230 SUITE 230 FREMONT, CA 94539
Contact:	JAMES W WILSON
Contact address:	43360 MISSION BLVD. SUITE 230 SUITE 230 FREMONT, CA 94539
Contact country:	Not reported
Contact telephone:	408-898-0659
Contact email:	JAMES@DUTRALAND.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TONY DUTRA
Owner/operator address:	43360 MISSION BLVD. SUITE 230 SUITE 230 FREMONT, CA 94539
Owner/operator country:	Not reported
Owner/operator telephone:	510-299-7611
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

DUTRA ENTERPRISES, INC (Continued) **1024763438**

Owner/operator name: JAMES W WILSON
Owner/operator address: 43360 MISSION BLVD. SUITE 230 SUITE 230
FREMONT, CA 94539
Owner/operator country: Not reported
Owner/operator telephone: 408-898-0659
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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

D15 **TRACT 8427 - B STREET** **ENVIROSTOR** **S123300358**
SE **B STREET AND 4TH STREET** **VCP** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.103 mi.
542 ft. **Site 2 of 7 in cluster D**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:
Name: TRACT 8427 - B STREET
Address: B STREET AND 4TH STREET
City,State,Zip: HAYWARD, CA 94541
Facility ID: 60002770
Status: No Further Action
Status Date: 02/26/2019
Site Code: 202229
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 4.95
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Elizabeth Chung-Huynh
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 16
Senate: 10
Special Program: Voluntary Cleanup Program

TRACT 8427 - B STREET (Continued) **S123300358**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 202229
Alias Type: Project Code (Site Code)
Alias Name: 60002770
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 01/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 02/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/08/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/26/2019
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

VCP:
Name: TRACT 8427 - B STREET
Address: B STREET AND 4TH STREET
City,State,Zip: HAYWARD, CA 94541
Facility ID: 60002770
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup

TRACT 8427 - B STREET (Continued) **S123300358**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4.95
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Elizabeth Chung-Huynh
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Site Code:	202229
Assembly:	16
Senate:	10
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	02/26/2019
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	0 / 0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	202229
Alias Type:	Project Code (Site Code)
Alias Name:	60002770
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Consultation
Completed Date:	01/22/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	02/26/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	02/08/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/26/2019
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

TRACT 8427 - B STREET (Continued) **S123300358**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

D16 **AT&T CORP. - P5E22** **UST** **U004261610**
SSE **1391 B ST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.106 mi.
561 ft. **Site 3 of 7 in cluster D**

Relative:
Higher

Actual:
131 ft.

UST:
Name: AT&T CORP - P5E22
Address: 1391 B ST
City,State,Zip: HAYWARD, CA 94541
Facility ID: 10-030-005401
Permitting Agency: Hayward City Fire Department
Latitude: 37.6776
Longitude: -122.07594

Name: AT&T CORP. - P5E22
Address: 1391 B ST
City,State,Zip: HAYWARD, CA 94541
Facility ID: 10-030-005401
Permitting Agency: Hayward City Fire Department
Latitude: 37.6776
Longitude: -122.07594

D17 **AT&T CORP. - P5E22** **CERS HAZ WASTE** **S121784981**
SSE **1391 B ST** **CERS TANKS** **N/A**
< 1/8 **HAYWARD, CA 94541** **CERS**
0.106 mi.
561 ft. **Site 4 of 7 in cluster D**

Relative:
Higher

Actual:
131 ft.

CERS HAZ WASTE:
Site ID: 435404
CERS ID: 10411750
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
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: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST Inspection Passed.
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG Inspection Passed.
Eval Division: Hayward City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - new permit obtained by AT&T contractorto replace piping sump penetration fittings. HFD recommends 60 days to complete this job.
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP Inspection Passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
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:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	435404
Facility Name:	AT&T Corp. - P5E22
Env Int Type Code:	HMBP
Program ID:	10411750
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677600
Longitude:	-122.075940

Affiliation:

Affiliation Type Desc:	Facility Mailing Address

AT&T CORP. - P5E22 (Continued) **S121784981**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Corp.
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:	(510) 693-1212
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Sarah Bullock
Entity Title:	Authorized Agent to AT&T
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	UST PO Name
Entity Name:	ATTY & AMP T CORPRT
Entity Title:	Not reported
Affiliation Address:	P O 5095NA ROOM 4W200M
Affiliation City:	SANRAMON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	AT AND T EH AND S HOTLINE
Entity Title:	24 HOUR EMERGENCY SERVICE
Affiliation Address:	4480 WILLOW RD 26
Affiliation City:	PLEASANTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Not reported
Affiliation Address:	4480 Willow Rd., Room C15
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: AT&T Corp.
Entity Title: Not reported
Affiliation Address: P.O. 5095, ROOM 4W200M
Affiliation City: San ramon
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (800) 566-9347

Affiliation Type Desc: Environmental Contact
Entity Name: Gary Chimienti
Entity Title: Environmental Site Manager
Affiliation Address: 2600 CAMINO RAMON RM 3E000
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: AT AND T
Entity Title: OWNER
Affiliation Address: 2600 CAMINO RAMON RM 3E000
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: GARY CHIMIENTI
Entity Title: OPERATOR
Affiliation Address: 2600 CAMINO RAMON RM 3E000
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: AT&T Corp.
Entity Title: Not reported
Affiliation Address: 308 S Akard St - Room 1700
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (800) 566-9347

AT&T CORP. - P5E22 (Continued) **S121784981**

CERS TANKS:
Name: AT&T CORP. - P5E22
Address: 1391 B ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 435404
CERS ID: 10411750
CERS Description: Underground Storage Tank

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
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: HMBP inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST Inspection Passed.
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG Inspection Passed.
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - new permit obtained by AT&T contractorto replace piping sump penetration fittings. HFD recommends 60 days to complete this job.
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP Inspection Passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
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:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	435404
Facility Name:	AT&T Corp. - P5E22
Env Int Type Code:	HMBP
Program ID:	10411750
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	37.677600
Longitude:	-122.075940

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Corp.
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:	(510) 693-1212
Affiliation Type Desc:	UST Permit Applicant

AT&T CORP. - P5E22 (Continued) **S121784981**

Entity Name:	Sarah Bullock
Entity Title:	Authorized Agent to AT&T
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	UST PO Name
Entity Name:	ATTY & AMP T CORPRT
Entity Title:	Not reported
Affiliation Address:	P O 5095NA ROOM 4W200M
Affiliation City:	SANRAMON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	AT AND T EH AND S HOTLINE
Entity Title:	24 HOUR EMERGENCY SERVICE
Affiliation Address:	4480 WILLOW RD 26
Affiliation City:	PLEASANTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation Phone:	(510) 583-4900
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Not reported
Affiliation Address:	4480 Willow Rd., Room C15
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Corp.
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:	UST Tank Operator
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Environmental Site Manager
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Owner
Entity Name:	AT AND T
Entity Title:	OWNER
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	GARY CHIMIENTI
Entity Title:	OPERATOR
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	308 S Akard St - Room 1700
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(800) 566-9347

CERS:

Name:	AT&T CORP. - P5E22
Address:	1391 B ST
City,State,Zip:	HAYWARD, CA 94541
Site ID:	435404
CERS ID:	110054241833
CERS Description:	US EPA Air Emission Inventory System (EIS)

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
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:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST Inspection Passed.
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG Inspection Passed.
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - new permit obtained by AT&T contractorto replace piping sump penetration fittings. HFD recommends 60 days to complete this job.

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HMBP Inspection Passed
Eval Division: Hayward City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CESQG inspection passed
Eval Division: Hayward City Fire Department
Eval Program: HW
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: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 435404
Facility Name: AT&T Corp. - P5E22
Env Int Type Code: HMBP
Program ID: 10411750
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.677600
Longitude: -122.075940

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Corp.
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:	(510) 693-1212
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Sarah Bullock
Entity Title:	Authorized Agent to AT&T
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	UST PO Name
Entity Name:	ATTY & AMP T CORPRT
Entity Title:	Not reported
Affiliation Address:	P O 5095NA ROOM 4W200M
Affiliation City:	SANRAMON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	AT AND T EH AND S HOTLINE

AT&T CORP. - P5E22 (Continued) **S121784981**

Entity Title:	24 HOUR EMERGENCY SERVICE
Affiliation Address:	4480 WILLOW RD 26
Affiliation City:	PLEASANTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Not reported
Affiliation Address:	4480 Willow Rd., Room C15
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94588
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Corp.
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

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation Type Desc:	UST Tank Operator
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347

Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Environmental Site Manager
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Owner
Entity Name:	AT AND T
Entity Title:	OWNER
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	GARY CHIMIENTI
Entity Title:	OPERATOR
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	308 S Akard St - Room 1700
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(800) 566-9347

Name:	AT&T CORP. - P5E22
Address:	1391 B ST
City,State,Zip:	HAYWARD, CA 94541
Site ID:	435404
CERS ID:	10411750
CERS Description:	Chemical Storage Facilities

AT&T CORP. - P5E22 (Continued) **S121784981**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
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:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST Inspection Passed.
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018

AT&T CORP. - P5E22 (Continued) **S121784981**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG Inspection Passed.
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed - new permit obtained by AT&T contractorto replace piping sump penetration fittings. HFD recommends 60 days to complete this job.
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP Inspection Passed
Eval Division:	Hayward City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CESQG inspection passed
Eval Division:	Hayward City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2015
Violations Found:	No

AT&T CORP. - P5E22 (Continued) **S121784981**

Eval Type: Routine done by local agency
Eval Notes: UST inspection passed
Eval Division: Hayward City Fire Department
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 435404
Facility Name: AT&T Corp. - P5E22
Env Int Type Code: HMBP
Program ID: 10411750
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.677600
Longitude: -122.075940

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: AT&T Corp.
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: (510) 693-1212

Affiliation Type Desc: UST Permit Applicant
Entity Name: Sarah Bullock
Entity Title: Authorized Agent to AT&T
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 566-9347

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation Type Desc:	UST PO Name
Entity Name:	ATTY & AMP T CORPRT
Entity Title:	Not reported
Affiliation Address:	P O 5095NA ROOM 4W200M
Affiliation City:	SANRAMON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	AT AND T EH AND S HOTLINE
Entity Title:	24 HOUR EMERGENCY SERVICE
Affiliation Address:	4480 WILLOW RD 26
Affiliation City:	PLEASANTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347

Affiliation Type Desc:	CUPA District
Entity Name:	Hayward City Fire Dept
Entity Title:	Not reported
Affiliation Address:	777 B Street
Affiliation City:	Hayward
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94541
Affiliation Phone:	(510) 583-4900

Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Not reported
Affiliation Address:	4480 Willow Rd., Room C15
Affiliation City:	Pleasanton
Affiliation State:	CA
Affiliation Country:	Not reported

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation Zip:	94588
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Bell Telephone Company dba AT&T California
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Corp.
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:	UST Tank Operator
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	P.O. 5095, ROOM 4W200M
Affiliation City:	San ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gary Chimienti
Entity Title:	Environmental Site Manager
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Owner
Entity Name:	AT AND T
Entity Title:	OWNER
Affiliation Address:	2600 CAMINO RAMON RM 3E000
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	GARY CHIMIENTI
Entity Title:	OPERATOR
Affiliation Address:	2600 CAMINO RAMON RM 3E000

AT&T CORP. - P5E22 (Continued) **S121784981**

Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	AT&T Corp.
Entity Title:	Not reported
Affiliation Address:	308 S Akard St - Room 1700
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(800) 566-9347

D18 **A T & T COMMUNICATIONS** **LUST** **S101580422**
SSE **1391 B ST** **SWEEPS UST** **N/A**
< 1/8 **HAYWARD, CA 94545** **CA FID UST**
0.106 mi. **EMI**
561 ft. **Site 5 of 7 in cluster D** **HIST CORTESE**
CERS

Relative:
Higher

Actual:
131 ft.

LUST:

Name:	AT & T FACILITY
Address:	1391 B ST
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600101737
Global Id:	T0600101737
Latitude:	37.6774944407943
Longitude:	-122.075783908367
Status:	Completed - Case Closed
Status Date:	08/06/2009
Case Worker:	DMG
RB Case Number:	01-1874
Local Agency:	HAYWARD, CITY OF
File Location:	Local Agency
Local Case Number:	01-1874
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0600101737
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported
Global Id:	T0600101737
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board

A T & T COMMUNICATIONS (Continued) **S101580422**

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0600101737
Action Type: Other
Date: 08/17/1992
Action: Leak Discovery

Global Id: T0600101737
Action Type: RESPONSE
Date: 10/31/2005
Action: Soil and Water Investigation Workplan

Global Id: T0600101737
Action Type: Other
Date: 01/01/1984
Action: Leak Stopped

Global Id: T0600101737
Action Type: Other
Date: 08/21/1992
Action: Leak Reported

Global Id: T0600101737
Action Type: ENFORCEMENT
Date: 12/03/2008
Action: File review

Global Id: T0600101737
Action Type: ENFORCEMENT
Date: 08/13/2008
Action: Notice to Comply

Global Id: T0600101737
Action Type: ENFORCEMENT
Date: 03/23/2009
Action: File review

Global Id: T0600101737
Action Type: ENFORCEMENT
Date: 03/24/2009
Action: Referral to Regional Board

Global Id: T0600101737
Action Type: ENFORCEMENT
Date: 08/06/2009
Action: Closure/No Further Action Letter

Global Id: T0600101737
Action Type: RESPONSE
Date: 10/08/1996
Action: Monitoring Report - Quarterly

A T & T COMMUNICATIONS (Continued) **S101580422**

Global Id: T0600101737
Action Type: RESPONSE
Date: 02/21/1997
Action: Well Destruction Report

Global Id: T0600101737
Action Type: RESPONSE
Date: 10/11/1995
Action: Soil and Water Investigation Report

Global Id: T0600101737
Action Type: REMEDIATION
Date: 07/17/1992
Action: Excavation

LUST:
Global Id: T0600101737
Status: Completed - Case Closed
Status Date: 08/06/2009

Global Id: T0600101737
Status: Open - Case Begin Date
Status Date: 01/01/1984

Global Id: T0600101737
Status: Open - Inactive
Status Date: 07/11/1996

Global Id: T0600101737
Status: Open - Referred
Status Date: 03/24/2009

Global Id: T0600101737
Status: Open - Site Assessment
Status Date: 08/05/1992

Global Id: T0600101737
Status: Open - Verification Monitoring
Status Date: 07/14/1995

LUST REG 2:
Region: 2
Facility Id: 01-1874
Facility Status: Leak being confirmed
Case Number: 01-1874
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 8/30/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

A T & T COMMUNICATIONS (Continued) **S101580422**

Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Name:	A T & T COMMUNICATIONS RAMON MARROGUIN
Address:	1391 B ST
City:	HAYWARD
Status:	Active
Comp Number:	54
Number:	1
Board Of Equalization:	Not reported
Referral Date:	07-07-93
Action Date:	03-24-94
Created Date:	11-03-92
Owner Tank Id:	2
SWRCB Tank Id:	01-003-000054-000002
Tank Status:	A
Capacity:	2000
Active Date:	11-03-92
Tank Use:	PETROLEUM
STG:	P
Content:	DIESEL
Number Of Tanks:	1

Name:	A T & T COMMUNICATIONS/RAMON MARROGUIN
Address:	1391 B ST
City:	HAYWARD
Status:	Not reported
Comp Number:	54
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-003-000054-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	1

CA FID UST:

Facility ID:	01002844
Regulated By:	UTNKA
Regulated ID:	865736
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	5108890356
Mail To:	Not reported
Mailing Address:	1391 B ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	HAYWARD 94545
Contact:	Not reported
Contact Phone:	Not reported

A T & T COMMUNICATIONS (Continued) **S101580422**

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.02
NOX - Oxides of Nitrogen Tons/Yr:	.016
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2008
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.002
Reactive Organic Gases Tons/Yr:	.0016734
Carbon Monoxide Emissions Tons/Yr:	.02
NOX - Oxides of Nitrogen Tons/Yr:	.016
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD

A T & T COMMUNICATIONS (Continued) **S101580422**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	8.3670000000000001E-4
Carbon Monoxide Emissions Tons/Yr:	1.0999999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr:	8.9999999999999993E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7599999999999998E-4

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2010
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	8.3670000000000001E-4
Carbon Monoxide Emissions Tons/Yr:	1.0999999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr:	8.9999999999999993E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00102459016393442
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2011
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.005
NOX - Oxides of Nitrogen Tons/Yr:	0.008
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2012
County Code:	1
Air Basin:	SF
Facility ID:	17805

A T & T COMMUNICATIONS (Continued) **S101580422**

Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.005
NOX - Oxides of Nitrogen Tons/Yr:	0.008
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2013
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.001
Reactive Organic Gases Tons/Yr:	0.0008367
Carbon Monoxide Emissions Tons/Yr:	0.005
NOX - Oxides of Nitrogen Tons/Yr:	0.009
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2014
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000520363
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.005221714
NOX - Oxides of Nitrogen Tons/Yr:	0.009165754
SOX - Oxides of Sulphur Tons/Yr:	9.352e-006
Particulate Matter Tons/Yr:	0.00031526
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00030265

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2015

A T & T COMMUNICATIONS (Continued) **S101580422**

County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000471958
Reactive Organic Gases Tons/Yr:	0.000437167
Carbon Monoxide Emissions Tons/Yr:	0.004735972
NOX - Oxides of Nitrogen Tons/Yr:	0.008313125
SOX - Oxides of Sulphur Tons/Yr:	8.482e-006
Particulate Matter Tons/Yr:	0.000285934
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000274496

Name:	AT & T CORP
Address:	1391 B STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2016
County Code:	1
Air Basin:	SF
Facility ID:	17805
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000471958
Reactive Organic Gases Tons/Yr:	0.000414615103
Carbon Monoxide Emissions Tons/Yr:	0.004735972
NOX - Oxides of Nitrogen Tons/Yr:	0.008313125
SOX - Oxides of Sulphur Tons/Yr:	8.482e-006
Particulate Matter Tons/Yr:	0.000285934
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000274496

HIST CORTESE:

edr_fname:	AT & T
edr_fadd1:	1391 B
City,State,Zip:	HAYWARD, CA 94545
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1874

CERS:

Name:	AT & T FACILITY
Address:	1391 B ST
City,State,Zip:	HAYWARD, CA 94541
Site ID:	198037
CERS ID:	T0600101737
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	DANILO M. GALANG - HAYWARD, CITY OF
Entity Title:	Not reported

A T & T COMMUNICATIONS (Continued) **S101580422**

Affiliation Address:	777 B STREET
Affiliation City:	HAYWARD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

D19 **AT&T** **RCRA NonGen / NLR** **1024847009**
SSE **1391 B ST** **CAL000401623**
< 1/8 **HAYWARD, CA 94541**
0.106 mi.
561 ft. **Site 6 of 7 in cluster D**

Relative:
Higher

Actual:
131 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/27/2014
Facility name:	AT&T
Facility address:	1391 B ST HAYWARD, CA 94541
EPA ID:	CAL000401623
Mailing address:	308 S. AKARD ST. 17TH FLOOR DALLAS, TX 75202-0000
Contact:	DERONICA LAMB
Contact address:	308 S. AKARD ST. 17TH FLOOR DALLAS, TX 75202
Contact country:	Not reported
Contact telephone:	214-741-0464
Contact email:	EHSRRC@LIST.ATT.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	AT&T ZONE CORPORTATION
Owner/operator address:	308 S. AKARD ST. 17TH FLOOR DALLAS, TX 75202
Owner/operator country:	Not reported
Owner/operator telephone:	214-741-0464
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

AT&T (Continued) **1024847009**

Owner/operator name: DERONICA LAMB
Owner/operator address: 308 S. AKARD ST. 17TH FLOOR
DALLAS, TX 75202
Owner/operator country: Not reported
Owner/operator telephone: 214-741-0464
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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: Yes
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

D20 **AT&T CORPORATION - P5E22** **UST** **U003938281**
SSE **1391 B ST** **N/A**
< 1/8 **HAYWARD, CA 94541**
0.106 mi.
561 ft. **Site 7 of 7 in cluster D**

Relative:
Higher

Actual:
131 ft.

UST:
Name: AT&T CORPORATION - P5E22
Address: 1391 B ST
City,State,Zip: HAYWARD, CA 94541
Facility ID: 01-003-005401
Permitting Agency: HAYWARD, CITY OF
Latitude: 37.677437
Longitude: -122.075762

C21 **EEN PROPERTY MANAGEMENT INC** **RCRA NonGen / NLR** **1024755040**
NE **1780 A STREET #5** **CAC002974860**
< 1/8 **CASTRO VALLEY, CA 94546**
0.107 mi.
567 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
135 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/08/2018
Facility name:	EEN PROPERTY MANAGEMENT INC
Facility address:	1780 A STREET #5 CASTRO VALLEY, CA 94546
EPA ID:	CAC002974860
Mailing address:	1000-J APOLLO COURT ANTIOCH, CA 94509
Contact:	JOSE SILVA
Contact address:	1000-J APOLLO COURT ANTIOCH, CA 94509
Contact country:	Not reported
Contact telephone:	510-491-7063
Contact email:	NICOLE@ENV-REM.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	EEN PROPERTY MANAGEMENT INC
Owner/operator address:	1000-J APOLLO COURT ANTIOCH, CA 94509
Owner/operator country:	Not reported
Owner/operator telephone:	925-778-3366
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOSE SILVA
Owner/operator address:	1000-J APOLLO COURT ANTIOCH, CA 94509
Owner/operator country:	Not reported
Owner/operator telephone:	510-491-7063
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
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:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

EEN PROPERTY MANAGEMENT INC (Continued) **1024755040**

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

E22 **VINNY'S SERVICE STATION** **HIST UST** **U001597022**
South **1301 B ST** **N/A**
1/8-1/4 **HAYWARD, CA 94541**
0.159 mi.
837 ft. **Site 1 of 3 in cluster E**

Relative: HIST UST:
Higher

Actual: Name:	VINNY'S SERVICE STATION
132 ft. Address:	1301 B ST
City,State,Zip:	HAYWARD, CA 94541
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000066920
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	4155372427
Owner Name:	VINOD KUMAR SHARMA
Owner Address:	1053 43RD ST. #C
Owner City,St,Zip:	EMERYVILLE, CA 94608
Total Tanks:	0004
Tank Num:	001
Container Num:	A
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	WASTE
Type of Fuel:	2
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	B
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	C
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL

VINNY'S SERVICE STATION (Continued) **U001597022**

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: D
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

E23 **VINNYS SERVICE STATION** **HIST UST** **S118416790**
South **1301 B STREET** **N/A**
1/8-1/4 **HAYWARD, CA 94541**
0.159 mi.
837 ft. **Site 2 of 3 in cluster E**

Relative: HIST UST:
Higher
Name: VINNYS SERVICE STATION
Actual: Address: 1301 B STREET
132 ft. City,State,Zip: HAYWARD, CA 94541
File Number: 000364B6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000364B6.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

E24 **COCCHI PROPERTY** **LUST** **S102428194**
South **1301 B ST** **HIST CORTESE** **N/A**
1/8-1/4 **HAYWARD, CA 94541** **CERS**
0.159 mi.
837 ft. **Site 3 of 3 in cluster E**

Relative: LUST:
Higher
Name: COCCHI PROPERTY
Actual: Address: 1301 B ST
132 ft. City,State,Zip: HAYWARD, CA 94541

COCCHI PROPERTY (Continued) **S102428194**

Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100399
Global Id:	T0600100399
Latitude:	37.676353
Longitude:	-122.077283
Status:	Completed - Case Closed
Status Date:	02/14/1994
Case Worker:	DMG
RB Case Number:	01-0439
Local Agency:	HAYWARD, CITY OF
File Location:	Not reported
Local Case Number:	01-0439
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0600100399
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported

Global Id:	T0600100399
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0600100399
Action Type:	Other
Date:	06/01/1992
Action:	Leak Discovery

Global Id:	T0600100399
Action Type:	Other
Date:	06/01/1992
Action:	Leak Stopped

Global Id:	T0600100399
Action Type:	Other
Date:	06/01/1992
Action:	Leak Reported

Global Id:	T0600100399
Action Type:	ENFORCEMENT
Date:	02/17/1994
Action:	Closure/No Further Action Letter

COCCHI PROPERTY (Continued) **S102428194**

LUST:
Global Id: T0600100399
Status: Completed - Case Closed
Status Date: 02/14/1994

Global Id: T0600100399
Status: Open - Case Begin Date
Status Date: 06/01/1992

Global Id: T0600100399
Status: Open - Site Assessment
Status Date: 06/01/1992

Global Id: T0600100399
Status: Open - Site Assessment
Status Date: 08/04/1992

Global Id: T0600100399
Status: Open - Site Assessment
Status Date: 03/10/1993

LUST REG 2:
Region: 2
Facility Id: 01-0439
Facility Status: Case Closed
Case Number: 01-0439
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 8/4/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 6/1/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 3/10/1993
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:
edr_fname: COCCHI PROPERTY
edr_fadd1: 1301 B
City,State,Zip: HAYWARD, CA
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0439

CERS:
Name: COCCHI PROPERTY
Address: 1301 B ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 237252
CERS ID: T0600100399
CERS Description: Leaking Underground Storage Tank Cleanup Site

COCCHI PROPERTY (Continued) **S102428194**

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	DANILO M. GALANG - HAYWARD, CITY OF
Entity Title:	Not reported
Affiliation Address:	777 B STREET
Affiliation City:	HAYWARD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

25
SSW
1/8-1/4
0.196 mi.
1037 ft.

PACIFIC BELL
1265 B STREET
HAYWARD, CA 94541

RCRA NonGen / NLR **1000250584**
FINDS **CAD050676261**
ECHO

Relative:
Higher

Actual:
130 ft.

RCRA NonGen / NLR:

Date form received by agency:	09/10/1997
Facility name:	PACIFIC BELL
Facility address:	1265 B STREET HAYWARD, CA 94541
EPA ID:	CAD050676261
Mailing address:	2 NORTH SECOND ST ROOM 1125 SAN JOSE, CA 95113
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1265 B STREET HAYWARD, CA 94541
Contact country:	US
Contact telephone:	408-491-6029
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE PACIFIC TELEPHONE AND TELEGRAPH CO
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

PACIFIC BELL (Continued) **1000250584**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: THE PACIFIC TELEPHONE AND TELEGRAPH CO
Owner/operator address: NOT REQUIRED
HAYWARD, CA 94541
Owner/operator country: Not reported
Owner/operator telephone: 408-491-6029
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

Historical Generators:
Date form received by agency: 09/01/1996
Site name: PACIFIC BELL
Classification: Small Quantity Generator

Date form received by agency: 01/19/1981
Site name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002648083

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.

PACIFIC BELL (Continued) **1000250584**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000250584
Registry ID: 110002648083
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002648083

26
WSW
1/8-1/4
0.200 mi.
1055 ft.

CASA SANDOVAL LLC **RCRA NonGen / NLR** **1024852105**
1200 RUSSELL WAY **CAL000411111**
HAYWARD, CA 94541

Relative:
Higher

Actual:
124 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/15/2015
Facility name: CASA SANDOVAL LLC
Facility address: 1200 RUSSELL WAY
HAYWARD, CA 94541
EPA ID: CAL000411111
Contact: ROSANA FRIAS
Contact address: 1200 RUSSELL WAY
HAYWARD, CA 94541
Contact country: Not reported
Contact telephone: 510-727-1700
Contact email: RFRIAS@CASASANDOVAL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ROSANA FRIAS
Owner/operator address: 1200 RUSSELL WAY
HAYWARD, CA 94541
Owner/operator country: Not reported
Owner/operator telephone: 510-727-1700
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CASA SANDOVAL LLC
Owner/operator address: 1200 RUSSELL WAY
HAYWARD, CA 94541
Owner/operator country: Not reported
Owner/operator telephone: 510-727-1700
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

CASA SANDOVAL LLC (Continued) **1024852105**

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: Yes
- 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

27
East
1/8-1/4
0.221 mi.
1166 ft.

UNIVERSAL AUTOBODY SHOP & REPAIR **RCRA NonGen / NLR** **1024795626**
1551 B INDUSTRIAL PKWY WEST **CAL000168524**
HAYWARD, CA 94544

Relative:
Higher

Actual:
137 ft.

RCRA NonGen / NLR:
- Date form received by agency: 12/04/1996
- Facility name: UNIVERSAL AUTOBODY SHOP & REPAIR
- Facility address: 1551 B INDUSTRIAL PKWY WEST
  HAYWARD, CA 94544-0000
- EPA ID: CAL000168524
- Mailing address: 1551 INDUSTRIAL PKWY W # B
  HAYWARD, CA 94544-0000
- Contact: SOHAN SINGH, OWNER
- Contact address: 1551 INDUSTRIAL PKWY W # B
  HAYWARD, CA 94544
- Contact country: Not reported
- Contact telephone: 510-786-9567
- Contact email: UNIVERSALAUTOBODYHAYWARD@GMAIL.COM
- EPA Region: 09
- Classification: Non-Generator
- Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
- Owner/operator name: SOHAN SINGH
- Owner/operator address: 1551 INDUSTRIAL PKWY W # B
  HAYWARD, CA 94544
- Owner/operator country: Not reported
- Owner/operator telephone: 510-786-9567
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Other
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Owner/operator name: SOHAN SINGH, OWNER

UNIVERSAL AUTOBODY SHOP & REPAIR (Continued) **1024795626**

Owner/operator address: 1551 INDUSTRIAL PKWY W # B
HAYWARD, CA 94544
Owner/operator country: Not reported
Owner/operator telephone: 510-786-9567
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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: Yes
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

28
SSW
1/8-1/4
0.223 mi.
1175 ft.

SUNSHINE CENTER CLEANERS
22530 2ND STREET
HAYWARD, CA 94541

RCRA-SQG **1000840816**
FINDS **CAD981642481**
ECHO
EMI
CERS

Relative:
Higher

Actual:
126 ft.

RCRA-SQG:
Date form received by agency: 10/01/1992
Facility name: SUNSHINE CENTER CLEANERS
Facility address: 22530 2ND ST
HAYWARD, CA 94541
EPA ID: CAD981642481
Mailing address: 2ND ST
HAYWARD, CA 94541
Contact: YONG LEE
Contact address: 22530 2ND ST
HAYWARD, CA 94541
Contact country: US
Contact telephone: 510-537-0060
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

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Owner/Operator Summary:
Owner/operator name: LEE YONG KUK
Owner/operator address: 22530 2ND ST
HAYWARD, CA 94541
Owner/operator country: Not reported
Owner/operator telephone: 510-537-0060
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

FINDS:

Registry ID: 110001156962

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

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: 1000840816
Registry ID: 110001156962

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110001156962

EMI:

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1987
County Code:	1
Air Basin:	SF
Facility ID:	343
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1990
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1995
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	1998
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SUNSHINE CENTER CLEANERS
Address: 22530 2ND STREET
City,State,Zip: HAYWARD, CA 94541
Year: 1999
County Code: 1
Air Basin: SF
Facility ID: 8205
Air District Name: BA
SIC Code: 7216
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SUNSHINE CENTER CLEANERS
Address: 22530 2ND STREET
City,State,Zip: HAYWARD, CA 94541
Year: 2000
County Code: 1
Air Basin: SF
Facility ID: 8205
Air District Name: BA
SIC Code: 7216
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SUNSHINE CENTER CLEANERS
Address: 22530 2ND STREET
City,State,Zip: HAYWARD, CA 94541
Year: 2001
County Code: 1
Air Basin: SF
Facility ID: 8205
Air District Name: BA

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2002
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2003
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2004
County Code:	1

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.323
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2005
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2006
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.533
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

City,State,Zip:	HAYWARD, CA
Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.605
Reactive Organic Gases Tons/Yr:	.422653
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2008
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.55
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2009
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.55000000000000004
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2010
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.36699999999999999
Reactive Organic Gases Tons/Yr:	0.25638620000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2011
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.435
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE CENTER CLEANERS
Address:	22530 2ND STREET
City,State,Zip:	HAYWARD, CA 94541
Year:	2012
County Code:	1
Air Basin:	SF
Facility ID:	8205
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.435
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

SUNSHINE CENTER CLEANERS (Continued) **1000840816**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SUNSHINE CENTER CLEANERS
Address: 22530 2ND STREET
City,State,Zip: HAYWARD, CA 94541
Year: 2014
County Code: 1
Air Basin: SF
Facility ID: 8205
Air District Name: BA
SIC Code: 7216
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.159890481
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

CERS:
Name: SUNSHINE CENTER CLEANERS
Address: 22530 2ND STREET
City,State,Zip: HAYWARD, CA 94541-4124
Site ID: 497050
CERS ID: 110001156962
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: YONG LEE
Entity Title: Not reported
Affiliation Address: 22530 2ND ST
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: YE BONG CHUNNA OWNR
Entity Title: Not reported
Affiliation Address: 22530 SECOND ST
Affiliation City: HAYWARD
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

F29 **CHEVRON** **HIST CORTESE** **S110060436**
SSW **1194 B** **N/A**
1/4-1/2 **HAYWARD, CA**
0.271 mi.
1431 ft. **Site 1 of 3 in cluster F**

Relative: **Higher**
Actual: **124 ft.**

HIST CORTESE:

edr_fname:	CHEVRON
edr_fadd1:	1194 B
City,State,Zip:	HAYWARD, CA
Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0311

F30 **FORMER TIDEWATER SERVICE STATION #35-2704** **LUST** **S109517588**
SSW **1191 B STREET** **CERS** **N/A**
1/4-1/2 **HAYWARD, CA 94541**
0.277 mi.
1463 ft. **Site 2 of 3 in cluster F**

Relative: **Higher**
Actual: **124 ft.**

LUST:

Name:	FORMER TIDEWATER SERVICE STATION #35-2704
Address:	1191 B STREET
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000708
Global Id:	T10000000708
Latitude:	37.6750913118927
Longitude:	-122.079391479492
Status:	Completed - Case Closed
Status Date:	12/31/2014
Case Worker:	UUU
RB Case Number:	01-3573
Local Agency:	HAYWARD, CITY OF
File Location:	Local Agency
Local Case Number:	01-3573
Potential Media Affect:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	Staff approved destruction of monitoring wells via email on September 12, 2013. Upon receipt of well destruction report (anticipated February or March of 2014), staff will issue a No Further Action letter and close this case.

LUST:

Global Id:	T10000000708
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T10000000708
Action Type:	Other
Date:	12/14/2007

FORMER TIDEWATER SERVICE STATION #35-2704 (Continued) **S109517588**

Action: Leak Discovery

Global Id: T10000000708
Action Type: RESPONSE
Date: 08/13/2008
Action: Site Assessment Report

Global Id: T10000000708
Action Type: RESPONSE
Date: 12/31/2012
Action: Site Assessment Report

Global Id: T10000000708
Action Type: RESPONSE
Date: 08/13/2008
Action: Site Assessment Report

Global Id: T10000000708
Action Type: RESPONSE
Date: 01/01/2013
Action: Request for Closure - Regulator Responded

Global Id: T10000000708
Action Type: Other
Date: 08/19/2008
Action: Leak Reported

Global Id: T10000000708
Action Type: RESPONSE
Date: 04/07/2009
Action: Other Report / Document

Global Id: T10000000708
Action Type: RESPONSE
Date: 09/20/2011
Action: Other Report / Document

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 08/01/2011
Action: 13267 Requirement

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 02/15/2011
Action: 13267 Requirement

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 10/24/2011
Action: Site Visit / Inspection / Sampling

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 03/13/2012
Action: 13267 Requirement

FORMER TIDEWATER SERVICE STATION #35-2704 (Continued) **S109517588**

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 09/12/2013
Action: Staff Letter

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 06/07/2012
Action: 13267 Requirement

Global Id: T10000000708
Action Type: RESPONSE
Date: 02/14/2012
Action: Correspondence

Global Id: T10000000708
Action Type: RESPONSE
Date: 07/20/2010
Action: Other Report / Document

Global Id: T10000000708
Action Type: ENFORCEMENT
Date: 12/31/2014
Action: Closure/No Further Action Letter

LUST:
Global Id: T10000000708
Status: Completed - Case Closed
Status Date: 12/31/2014

Global Id: T10000000708
Status: Open - Assessment & Interim Remedial Action
Status Date: 01/22/2009

Global Id: T10000000708
Status: Open - Case Begin Date
Status Date: 12/14/2007

Global Id: T10000000708
Status: Open - Eligible for Closure
Status Date: 05/22/2013

CERS:
Name: FORMER TIDEWATER SERVICE STATION #35-2704
Address: 1191 B STREET
City,State,Zip: HAYWARD, CA 94541
Site ID: 203647
CERS ID: T10000000708
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND

FORMER TIDEWATER SERVICE STATION #35-2704 (Continued) **S109517588**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

F31 **FORMER CHEVRON SERVICE STATION #9-4057** **LUST S105030256**
SSW **1190 B ST** **CERS N/A**
1/4-1/2 **HAYWARD, CA 94541**
0.277 mi.
1465 ft. **Site 3 of 3 in cluster F**

Relative: Higher

Actual: 123 ft.

LUST:
Name: FORMER CHEVRON SERVICE STATION #9-4057
Address: 1190 B ST
City,State,Zip: HAYWARD, CA 94541
Lead Agency: HAYWARD, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100286
Global Id: T0600100286
Latitude: 37.675159699
Longitude: -122.079835
Status: Completed - Case Closed
Status Date: 03/11/2009
Case Worker: DMG
RB Case Number: 01-0311
Local Agency: HAYWARD, CITY OF
File Location: Local Agency
Local Case Number: 01-0311
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0600100286
Contact Type: Local Agency Caseworker
Contact Name: DANILO M. GALANG
Organization Name: HAYWARD, CITY OF
Address: 777 B STREET
City: HAYWARD
Email: danny.galang@hayward-ca.gov
Phone Number: Not reported

Global Id: T0600100286
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600100286
Action Type: Other
Date: 05/07/1986
Action: Leak Stopped

FORMER CHEVRON SERVICE STATION #9-4057 (Continued) **S105030256**

Global Id: T0600100286
Action Type: ENFORCEMENT
Date: 03/11/2009
Action: Closure/No Further Action Letter

Global Id: T0600100286
Action Type: Other
Date: 05/07/1986
Action: Leak Reported

Global Id: T0600100286
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100286
Action Type: Other
Date: 05/07/1986
Action: Leak Discovery

Global Id: T0600100286
Action Type: ENFORCEMENT
Date: 02/17/2009
Action: Referral to Regional Board

LUST:
Global Id: T0600100286
Status: Completed - Case Closed
Status Date: 03/11/2009

Global Id: T0600100286
Status: Open - Case Begin Date
Status Date: 01/23/1986

Global Id: T0600100286
Status: Open - Site Assessment
Status Date: 01/23/1986

Global Id: T0600100286
Status: Open - Site Assessment
Status Date: 06/02/1986

Global Id: T0600100286
Status: Open - Verification Monitoring
Status Date: 02/22/1990

LUST REG 2:
Region: 2
Facility Id: 01-0311
Facility Status: Pollution Characterization
Case Number: 01-0311
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported

FORMER CHEVRON SERVICE STATION #9-4057 (Continued) **S105030256**

Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/23/1986
Pollution Characterization Began: 6/2/1986
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CERS:
Name: FORMER CHEVRON SERVICE STATION #9-4057
Address: 1190 B ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 198143
CERS ID: T0600100286
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

G32 **SILVER WOLF INVESTMENTS PROPERTY** **LUST** **S106163505**
SW **22470 FOOTHILL BLVD.** **CERS** **N/A**
1/4-1/2 **HAYWARD, CA 94541**
0.329 mi.
1739 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
117 ft.

LUST:
Name: SILVER WOLF INVESTMENTS PROPERTY
Address: 22470 FOOTHILL BLVD.
City,State,Zip: HAYWARD, CA 94541
Lead Agency: HAYWARD, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600169560
Global Id: T0600169560
Latitude: 37.675621
Longitude: -122.081773
Status: Completed - Case Closed
Status Date: 04/08/2004
Case Worker: DMG
RB Case Number: 01-3504

SILVER WOLF INVESTMENTS PROPERTY (Continued) **S106163505**

Local Agency: HAYWARD, CITY OF
File Location: Not reported
Local Case Number: 01-3504
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline, Diesel, Kerosene
Site History: Not reported

LUST:
Global Id: T0600169560
Contact Type: Local Agency Caseworker
Contact Name: DANILO M. GALANG
Organization Name: HAYWARD, CITY OF
Address: 777 B STREET
City: HAYWARD
Email: danny.galang@hayward-ca.gov
Phone Number: Not reported

Global Id: T0600169560
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600169560
Action Type: Other
Date: 12/22/2003
Action: Leak Discovery

Global Id: T0600169560
Action Type: RESPONSE
Date: 04/08/2004
Action: Request for Closure

Global Id: T0600169560
Action Type: RESPONSE
Date: 03/04/2004
Action: Unauthorized Release Form

Global Id: T0600169560
Action Type: Other
Date: 01/05/2004
Action: Leak Reported

Global Id: T0600169560
Action Type: RESPONSE
Date: 03/01/2004
Action: Site Assessment Report

Global Id: T0600169560
Action Type: REMEDIATION
Date: 03/03/2004
Action: Not reported

SILVER WOLF INVESTMENTS PROPERTY (Continued) **S106163505**

LUST:

Global Id:	T0600169560
Status:	Completed - Case Closed
Status Date:	03/03/2004
Global Id:	T0600169560
Status:	Completed - Case Closed
Status Date:	04/08/2004
Global Id:	T0600169560
Status:	Open - Case Begin Date
Status Date:	12/22/2003
Global Id:	T0600169560
Status:	Open - Reopen Case
Status Date:	03/16/2004
Global Id:	T0600169560
Status:	Open - Site Assessment
Status Date:	03/02/2004
Global Id:	T0600169560
Status:	Open - Site Assessment
Status Date:	03/17/2004

CERS:

Name:	SILVER WOLF INVESTMENTS PROPERTY
Address:	22470 FOOTHILL BLVD.
City,State,Zip:	HAYWARD, CA 94541
Site ID:	241699
CERS ID:	T0600169560
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	DANILO M. GALANG - HAYWARD, CITY OF
Entity Title:	Not reported
Affiliation Address:	777 B STREET
Affiliation City:	HAYWARD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

33
NNE
1/4-1/2
0.336 mi.
1775 ft.

Relative:
Higher

Actual:
149 ft.

BEACON STATION #574
22315 REDWOOD RD
CASTRO VALLEY, CA 94546

Database(s): LUST, Alameda County CS, SWEEPS UST, HIST UST, CA FID UST, HIST CORTESE, CERS

EDR ID Number: S101623742
EPA ID Number: N/A

LUST:

Name:	BEACON #12574
Address:	22315 REDWOOD
City,State,Zip:	CASTRO VALLEY, CA 94546
Lead Agency:	ALAMEDA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100155
Global Id:	T0600100155
Latitude:	37.6838567315139
Longitude:	-122.073792080688
Status:	Completed - Case Closed
Status Date:	07/01/2014
Case Worker:	Not reported
RB Case Number:	01-0167
Local Agency:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	RO0000355
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Petroleum hydrocarbons were detected in soil samples during a tank removal in 1987. Site investigation activities conducted at various times since 1987 have defined the extent of contamination. High-vacuum dual-phase extraction was conducted at the site in 2009. Additional vapor extraction testing was conducted at the site in July 2011. The site was evaluated for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy and was closed on July 1, 2014. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

LUST:

Global Id:	T0600100155
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0600100155
Action Type:	Other
Date:	05/05/1987
Action:	Leak Stopped

Global Id: T0600100155

BEACON STATION #574 (Continued) **S101623742**

Action Type:	RESPONSE
Date:	04/22/2011
Action:	Pilot Study / Treatability Workplan
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	09/07/2011
Action:	Pilot Study/ Treatability Report
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	12/23/2011
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0600100155
Action Type:	Other
Date:	08/28/1987
Action:	Leak Reported
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	08/08/2012
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	10/04/2012
Action:	Correspondence
Global Id:	T0600100155
Action Type:	ENFORCEMENT
Date:	01/08/2009
Action:	Staff Letter - #20090108
Global Id:	T0600100155
Action Type:	ENFORCEMENT
Date:	07/23/2009
Action:	Staff Letter - #20090723
Global Id:	T0600100155
Action Type:	ENFORCEMENT
Date:	07/01/2014
Action:	Closure/No Further Action Letter - #20140701
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Soil and Water Investigation Report
Global Id:	T0600100155
Action Type:	RESPONSE
Date:	06/27/2014
Action:	Well Destruction Report
Global Id:	T0600100155
Action Type:	ENFORCEMENT
Date:	08/14/2009

BEACON STATION #574 (Continued) **S101623742**

Action: Staff Letter - #20090814

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 03/25/2010
Action: Staff Letter - #20100325

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 06/10/2010
Action: Technical Correspondence / Assistance / Other - #20100610

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 09/19/2011
Action: Staff Letter - #20110919

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 05/23/2011
Action: Staff Letter - #20110523

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 02/14/2011
Action: Staff Letter - #20110214

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 07/19/2010
Action: Staff Letter - #20100719

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 10/04/2010
Action: Staff Letter - #20101004

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 09/05/2013
Action: Staff Letter - #20130905

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 10/02/2013
Action: Notification - Public Notice of Case Closure - #20131002

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 09/27/2012
Action: Staff Letter - #20120927

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 11/06/2012
Action: Staff Letter - #20121106

BEACON STATION #574 (Continued) **S101623742**

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 06/18/2012
Action: Notice to Comply - #20120618

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 09/05/2013
Action: Notification - Fee Title Owners Notice - #20130905

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 06/01/2013
Action: Staff Letter - #20130611

Global Id: T0600100155
Action Type: RESPONSE
Date: 05/28/2010
Action: Well Installation Workplan

Global Id: T0600100155
Action Type: REMEDIATION
Date: 05/19/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0600100155
Action Type: ENFORCEMENT
Date: 12/04/2013
Action: Staff Letter - #20131204

Global Id: T0600100155
Action Type: RESPONSE
Date: 12/19/2010
Action: Soil and Water Investigation Report

Global Id: T0600100155
Action Type: RESPONSE
Date: 09/15/2010
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0600100155
Action Type: Other
Date: 05/05/1987
Action: Leak Discovery

LUST:
Global Id: T0600100155
Status: Completed - Case Closed
Status Date: 07/01/2014

Global Id: T0600100155
Status: Open - Assessment & Interim Remedial Action
Status Date: 05/19/2009

Global Id: T0600100155
Status: Open - Case Begin Date
Status Date: 05/05/1987

BEACON STATION #574 (Continued) **S101623742**

Global Id: T0600100155
Status: Open - Eligible for Closure
Status Date: 07/25/2013

Global Id: T0600100155
Status: Open - Site Assessment
Status Date: 03/26/1991

LUST REG 2:
Region: 2
Facility Id: 01-0167
Facility Status: Preliminary site assessment underway
Case Number: 3579
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/24/1990
Preliminary Site Assesment Began: 4/1/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Name: BEACON #12574
Address: 22315 REDWOOD RD
City,State,Zip: CASTRO VALLEY, CA 94546
Status: Pollution Characterization
Record Id: RO0000355
PE: 5602
Facility Status: Pollution Charaterization
Latitude: 37.683969748
Longitude: -122.07382356

Name: BEACON #12574
Address: 22315 REDWOOD RD
City,State,Zip: CASTRO VALLEY, CA 94546
Status: Case Closed
Record Id: RO0000355
PE: 5602
Facility Status: Case Closed
Latitude: 37.683969748
Longitude: -122.07382356

SWEEPS UST:
Name: BEACON STATION #574
Address: 22315 REDWOOD RD
City: CASTRO VALLEY
Status: Not reported
Comp Number: 38904
Number: Not reported
Board Of Equalization: 44-000030
Referral Date: Not reported

BEACON STATION #574 (Continued) **S101623742**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-038904-000001
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	5

Name:	BEACON STATION #574
Address:	22315 REDWOOD RD
City:	CASTRO VALLEY
Status:	Not reported
Comp Number:	38904
Number:	Not reported
Board Of Equalization:	44-000030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-038904-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	BEACON STATION #574
Address:	22315 REDWOOD RD
City:	CASTRO VALLEY
Status:	Not reported
Comp Number:	38904
Number:	Not reported
Board Of Equalization:	44-000030
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-038904-000003
Tank Status:	Not reported
Capacity:	7000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	BEACON STATION #574
Address:	22315 REDWOOD RD
City:	CASTRO VALLEY
Status:	Not reported
Comp Number:	38904

BEACON STATION #574 (Continued) **S101623742**

Number: Not reported
Board Of Equalization: 44-000030
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-038904-000004
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BEACON STATION #574
Address: 22315 REDWOOD RD
City: CASTRO VALLEY
Status: Not reported
Comp Number: 38904
Number: Not reported
Board Of Equalization: 44-000030
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-038904-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
Name: BEACON STATION 574
Address: 22315 REDWOOD ROAD
City,State,Zip: CASTRO VALLEY, CA 94346
File Number: 00035FC8
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035FC8.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

BEACON STATION #574 (Continued) **S101623742**

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 01000286
Regulated By: UTNKI
Regulated ID: 00038904
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2095820241
Mail To: Not reported
Mailing Address: 525 W 003RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CASTRO VALLEY 94546
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST CORTESE:
edr_fname: BEACON
edr_fadd1: 22315 REDWOOD
City,State,Zip: CASTRO VALLEY, CA 94546
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0167

CERS:
Name: BEACON #12574
Address: 22315 REDWOOD
City,State,Zip: CASTRO VALLEY, CA 94546
Site ID: 217701
CERS ID: T0600100155
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

H34
WSW
1/4-1/2
0.355 mi.
1872 ft.

SELIX FORMALWEAR (FORMERLY WORLDCO CO)
22401-22487 FOOTHILL BLVD
HAYWARD, CA 94541

Site 1 of 2 in cluster H

CPS-SLIC S113804545
CERS N/A

Relative:
Higher

Actual:
98 ft.

CPS-SLIC:

Name:	SELIX FORMALWEAR (FORMERLY WORLDCO CO)
Address:	22401-22487 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	02/27/2018
Global Id:	SL1824N1155
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.676677
Longitude:	-122.083441
Case Type:	Cleanup Program Site
Case Worker:	CSF
Local Agency:	Not reported
RB Case Number:	01S0548
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	RAP approved in 2016 to install a soil vapor extraction (SVE) system to address VOCs in soil vapor resulted from historical dry cleaning operation. SVE was shown to be effective and will be expanded to reach entire soil vapor plume. Groundwater seems to be not impacted. Remediation and additional investigation are being conducted in parallel.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	SELIX FORMALWEAR (FORMERLY WORLDCO CO)
Address:	22401-22487 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Site ID:	227525
CERS ID:	SL1824N1155
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CECILIO FELIX - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 Clay St. Suite 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5106222343

H35 **WORLDCO CO** **CPS-SLIC** **S106234897**
WSW **22401-2248 FOOTHILL BLVD** **N/A**
1/4-1/2 **HAYWARD, CA**
0.355 mi.
1872 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
98 ft.

SLIC REG 2:

Region:	2
Facility ID:	01S0548
Facility Status:	Case Closed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

G36 **LONGS STORE #472** **LUST** **S104582714**
SW **22501 FOOTHILL BLVD** **CERS** **N/A**
1/4-1/2 **HAYWARD, CA 94541**
0.357 mi.
1884 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
116 ft.

LUST:

Name:	LONGS STORE #472
Address:	22501 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541-
Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600191447
Global Id:	T0600191447
Latitude:	37.6751757
Longitude:	-122.0819998
Status:	Completed - Case Closed
Status Date:	08/03/2001
Case Worker:	DMG
RB Case Number:	01-2529
Local Agency:	HAYWARD, CITY OF
File Location:	Not reported
Local Case Number:	01-2529
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0600191447
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported

LONGS STORE #472 (Continued) **S104582714**

Global Id: T0600191447
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600191447
Action Type: Other
Date: 10/13/1999
Action: Leak Discovery

Global Id: T0600191447
Action Type: Other
Date: 10/13/1999
Action: Leak Stopped

Global Id: T0600191447
Action Type: Other
Date: 07/01/2001
Action: Leak Reported

LUST:
Global Id: T0600191447
Status: Completed - Case Closed
Status Date: 08/03/2001

Global Id: T0600191447
Status: Open - Case Begin Date
Status Date: 10/13/1999

Global Id: T0600191447
Status: Open - Site Assessment
Status Date: 10/13/1999

LUST REG 2:
Region: 2
Facility Id: 01-2529
Facility Status: Case Closed
Case Number: 01-2529
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 10/13/1999
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LONGS STORE #472 (Continued) **S104582714**

CERS:
Name: LONGS STORE #472
Address: 22501 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541-
Site ID: 252058
CERS ID: T0600191447
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

37
East
1/4-1/2
0.366 mi.
1932 ft.

FORMER GASOLINE STATION **CPS-SLIC S118504668**
1701 B ST **CERS N/A**
HAYWARD, CA 94541

Relative:
Higher

Actual:
149 ft.

CPS-SLIC:
Name: FORMER GASOLINE STATION
Address: 1701 B ST
City,State,Zip: HAYWARD, CA 94541
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/14/2015
Global Id: T10000006250
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.6799691357472
Longitude: -122.070155034324
Case Type: Cleanup Program Site
Case Worker: MJD
Local Agency: Not reported
RB Case Number: 01-3625
File Location: Regional Board
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Total Petroleum Hydrocarbons (TPH)
Site History: A gas station was demolished and all tanks removed in 1972 as evidenced by permits from the City of Hayward Fire Department. This

FORMER GASOLINE STATION (Continued) **S118504668**

case was reopened in October 2014 to evaluate whether the property is suitable for residential reuse. Site investigations performed by Gaston & Associates LLC, in 2003 and 2015 determined that residual impacts in the subsurface are below respective Environmental Screening Levels (ESLs, December 2013) and USEPA Region 9 Screening Levels and do not pose unacceptable risk to human health or the environment. No groundwater was found during site investigations.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	FORMER GASOLINE STATION
Address:	1701 B ST
City,State,Zip:	HAYWARD, CA 94541
Site ID:	215499
CERS ID:	T10000006250
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Marcos De la Cruz - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 Clay St, Suite 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5106222365

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38 **92960** **LUST** **S101623741**
NNE **2416 GROVEWAY** **Alameda County CS** **N/A**
1/4-1/2 **CASTRO VALLEY, CA 94546** **SWEEPS UST**
0.398 mi. **HIST UST**
2100 ft. **CA FID UST**
HAZNET
Relative: Higher **HIST CORTESE**
CERS
Actual: 153 ft.

LUST:

Name:	CHEVRON #9-2960
Address:	2416 GROVE WAY
City,State,Zip:	CASTRO VALLEY, CA 94546
Lead Agency:	ALAMEDA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100318
Global Id:	T0600100318
Latitude:	37.6847227661614
Longitude:	-122.073348462582
Status:	Completed - Case Closed
Status Date:	01/30/2014
Case Worker:	MD
RB Case Number:	01-0346
Local Agency:	ALAMEDA COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	RO0000275
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline

92960 (Continued) **S101623741**

Site History:

Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp. Land use surrounding the site is mixed commercial and residential. The property was formerly occupied by a Chevron service station from at least 1965 until 1986, when the station was demolished. In 2000, the site was paved to its current configuration and is in use as a parking lot for Trader Joes grocery store. The former Chevron service station is reported to have been demolished in 1986 along with all associated aboveground and underground structures including two 7,500-gallon gasoline underground storage tanks (USTs), one 2,000-gallon gasoline UST, a 550-gallon waste oil UST, two dispenser islands, and all associate piping. Soil samples were collected from the gasoline UST pit, waste oil UST pit, and soil stockpiles. Soil samples analyzed in June 1986 from the gasoline tank pit at a depth of 18 feet bgs detected up to 14,000 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg). The gasoline UST tank pit was excavated to 25 feet below ground surface (bgs). Confirmation samples were not collected after the overexcavation. Oil-range hydrocarbons were not detected in the two soils collected beneath the former waste oil UST. On October 1, 1986, four monitoring wells (C-1 through C-4) were installed at the site. No soil samples were collected from the soil bores for the wells. The groundwater monitoring wells were first analyzed on October 23, 1986 and up to 37,000 ppb TPHg and 6,400 ppb benzene was detected. The highest concentration of TPHg in groundwater was detected in well C-1, located directly adjacent to and west (downgradient) of the former gasoline USTs. In January 1990, interim recovery of light non-aqueous phase liquid (LNAPL) via pumping and bailing was conducted in well C-1. The recovery was implemented only once and removed a total of 100 gallons of groundwater that contained approximately two gallons of LNAPL. On August 27, 1990, exploratory borings (C-5 through C-7) were advanced offsite. Soil samples collected from the borings showed no detectable concentrations of petroleum hydrocarbons at standard limits of reporting. Groundwater from the wells was first analyzed in the October 1990 monitoring event and petroleum hydrocarbon concentrations were not detected at standard reporting limits. On December, 18 and 19, 1991, five vacuum influence probes (VP-1 through VP-5) were installed onsite as part of a soil vapor extraction (SVE) pilot test. Vacuum was applied to onsite monitoring wells C-1 through C-3. Mass removal rates were then estimated based upon inlet hydrocarbon concentrations. Well C-1 was determined to have the greatest potential for hydrocarbon mass removal, with estimated rates of up to 945 lbs/day TPHg and 0.19 lbs/day benzene. Based on the results of the test, it was concluded that SVE should be effective at the site. In October 1993, extraction well EW-1 was installed and groundwater extraction (GWE) began. Treated groundwater was discharged under permit to the sanitary sewer. An SVE system was connected to well C 1 and began operation in June 1994. Extracted vapor was treated using a thermal oxidation unit prior to discharge to the atmosphere. The system was in operation through 1996 and removed approximately 1,200,000 gallons of groundwater and an estimated 9,000 pounds of hydrocarbons. LNAPL was also removed with a passive skimmer from wells C-1 and EW-1. In 1997, the system was shut down and removed. A final GWE and SVE system report was not submitted. On January 30, 1997, an underground utility survey was

92960 (Continued) **S101623741**

conducted at the site to confirm that the former product lines had been removed in conjunction with the USTs. The survey indicated that no product lines were present in the location of the formerproduct line trenches. On February 5, 1997, six borings (B-1 through B-6) were advanced onsite to evaluate soil near the former product piping and dispenser island areas. TPHg was detected in 9 of 22 soil samples at concentrations ranging from 2 (B 2 at 11 fbg) to 2,300 mg/kg (B 1 at 16 fbg). In addition with other petroleum hydrocarbon constituents, benzene was detected in five of the samples at concentrations ranging from 0.0062 (B 3 at 15.5 fbg) to 13 mg/kg (B 1 at 16 fbg). Based on the results of the investigation shallow soil beneath the former dispenser islands had been contaminated, with the majority of the contamination between 2.5 and 5.5 fbg. Soil beneath the former piping did not appear to be contaminated. Additionally, the soil bores detected contamination between 16 and 19 fbg in the capillary fringe. In April 1997, G R destroyed offsite upgradient well C 5 to facilitate planned construction activities in this area. On September 15 and 18, 1998, wells C1 through C3 and extraction well EW-1 were decommissioned due to the widening of Redwood Road. Wells C 4 and C 6 were paved over during the road widening project and are lost. Multiple attempts to relocate the wells have been made; however, the wells remain missing. On February 8, 2002 one monitoring well (C-8) was installed in conjunction with the drilling of three soil borings (B-7 through B-9) to evaluate soil and groundwater contamination near the former USTs and dispenser islands, and to define the lateral extent of impacted groundwater upgradient of well C 2. Soil samples and grab groundwater samples were collected from borings C-8 and B-7 through B-9. TPHg in soil was detected up to 24 ppm; benzene and ethylbenzene were not detected. Bore C-8 was advanced directly adjacent to and downgradient (west) of the former gasoline USTs in the vicinity to former well C-1. Bore B-8 was advanced approximately ten feet northwest of the former gasoline USTs. Grab groundwater samples collected from borings C-8 and B-8 contained the highest concentrations of TPHg (11,000 ppb and 8,600 ppb, respectively) and benzene (380 and 15 ppb, respectively). On April 13, 2004, four shallow temporary soil vapor points (SV1 through SV4) and one soil boring (SB1) were advanced to evaluate the potential for vapor intrusion and delineation of the groundwater MTBE plume. Three soil samples were collected from boring SB1 (labeled B10 on bore log) between 10 and 22 feet bgs and analyzed for TPHg, BTEX, fuel oxygenates, 1,2 dichloroethane (1,2 DCA), and ethylene dibromide (EDB). Except for 3.6 mg/kg TPHg in the sample collected at 18 fbg the analytes were not detected in the soil samples, at standard limits of reporting. One grab groundwater sample was also collected from boring SB1. Analysis of the grab groundwater sample detected 180 ppb TPHg, 0.5 ppb benzene, and 0.9 ppb ethylbenzene. Soil vapor samples were collected from soil vapor points SV1 through SV4. The temporary soil vapor points were not logged, but are reported to have been installed to 5, 3.6, 3.5, and 4 fbg, respectively. Soil vapor samples were collected from the vapor points and analyzed for BTEX only. Benzene was detected in samples SV 2 and SV 3 at concentrations of 100 micrograms per cubic meter (a%g/m3) and 9.7 a%g/m3, respectively. Concentrations of toluene (up to 16 a%g/m3), ethylbenzene (5.1 a%g/m3), and xylenes (up to 9 a%g/m3) were detected in samples SV 2 through SV 4. In SV-1 BTEX were not detected due to elevated detection limits caused by the presence of a non-fuel compound, 2-proponol. The oxygen and carbon dioxide percentages for

92960 (Continued) **S101623741**

SV-1 to SV-4 were reported as 1.0% and 13% (SV-1); 1.7% and 11% (SV-2); 20 and 0.47% (SV-3); and 22% and 1.2% (SV-4). Except for SV-1 due to the presence of a non-fuel compound, all results were below commercial shallow soil gas screening levels for the evaluation of potential indoor air impacts (July 2003 and May 2013 versions). The results for SV-3 and SV-4 are also below residential values in both versions. On March 21, 2007, one onsite bore (B-10) and two offsite bores (B-11 and B-12) were advanced. Boring B 10 was located in the area of the former gasoline USTs, and borings B 11 and B 12 were located near the centerline of Redwood Road. Groundwater was first encountered in the borings between 17 and 22 feet bgs. Soil samples were collected from the borings at five-foot intervals between 5 and 28 feet bgs and analyzed for TPHg, BTEX, fuel oxygenates, 1,2 DCA, and EDB. TPHg and benzene were detected in soil up to 1.3 and 0.011 ppm, respectively. Fuel oxygenates, 1,2 DCA, and EDB generally were not detected in the samples with the exception of MTBE at 0.0008 mg/kg in the sample collected at 20 fbg from boring B 12, and up to 0.068 mg/kg tertiary butyl alcohol (TBA) in samples collected at 15 fbg and 20 fbg in boring B 11. Depth discrete groundwater samples were collected from borings B 10 (20 and 28 fbg), B 11 (17 and 28 fbg), and B 12 (32 fbg) and analyzed for the same constituents noted above. Boring B-11 is located approximately 40 feet west of the former gasoline USTs. TPHg was detected in groundwater at concentrations of 35,000 a%g/L and 1,700 a%g/L (B 10 at 20 and 28 fbg, respectively), and 67,000 a%g/L and 4,200 a%g/L (B 11 at 17 and 28 fbg, respectively). Benzene was detected at concentrations of 1,500 a%g/L and 23 a%g/L (B 10 at 20 at 20 and 28 fbg, respectively), and 6,600 a%g/L and 100 a%g/L (B 11 at 17 and 28 fbg, respectively). TPHg and BTEX were not detected in the groundwater sample collected from boring B 12. The remaining analytes were not detected in the groundwater samples with the exception of TBA at 130 a%g/L and 3 a%g/L (B 10 at 20 and 28 fbg, respectively), and 460 a%g/L and 15 a%g/L (B 11 at 17 and 28 fbg, respectively). In June 2010, borings GP 1 and GP 2 were installed offsite across Redwood Road. Boring GP 1 was located between well C 7 and former well C 6, and boring GP 2 was located in the area of former well C 6. Soil samples were submitted for laboratory analysis at approximately 5, 10, 15, and 20 fbg. No TPHg, BTEX, or fuel oxygenates were detected in any of the soil samples. Depth discrete groundwater samples were collected at approximate depths of 20 fbg and 35 fbg from boring GP 1, at approximate depths of 20 fbg and 34 fbg from boring GP 2. No TPHg, BTEX, or fuel oxygenates were detected in the groundwater samples with the exception of TPHg at 89 g/L in the sample collected at 20 fbg from boring GP 2. During the most recent groundwater monitoring event (March 20, 2012) only monitoring well C-8 was sampled. The well is located immediately adjacent and west of the former gasoline USTs and contained 950 ppb TPHg, 7 ppb benzene, and 1 ppb ethylbenzene. Not all historic documents for the fuel leak case may be available on GeoTracker. A complete case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

LUST:

Global Id:	T0600100318
Contact Type:	Local Agency Caseworker
Contact Name:	MARK DETTERMAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY

92960 (Continued) **S101623741**

City: ALAMEDA
Email: mark.detterman@acgov.org
Phone Number: 5105676876

Global Id: T0600100318
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600100318
Action Type: RESPONSE
Date: 12/01/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/01/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: Other
Date: 06/19/1986
Action: Leak Reported

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/16/2012
Action: Request for Closure - Regulator Responded

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/15/2013
Action: Well Destruction Report - Regulator Responded

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 10/23/2008
Action: Staff Letter - #20081023

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/09/1990
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/23/1992
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/18/1994

92960 (Continued) **S101623741**

Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/21/1997
Action: Soil and Water Investigation Report

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/10/1994
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/20/2005
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/25/2006
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/21/2006
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/01/2007
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/07/2008
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/12/2008
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/06/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/27/2009
Action: Monitoring Report - Quarterly

92960 (Continued) **S101623741**

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/08/1991
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/10/1992
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/23/1993
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/06/1999
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/06/2001
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/28/1994
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/13/1995
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/17/1995
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/30/1995
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/07/1996
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/26/2004
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE

92960 (Continued) **S101623741**

Date: 07/19/2004
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/10/1997
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/27/1990
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/14/1993
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/19/2004
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/21/2005
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/01/1999
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/24/2000
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/09/2002
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/28/2002
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 03/31/2004
Action: Monitoring Report - Quarterly

92960 (Continued) **S101623741**

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/18/1991
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 09/21/1993
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/26/1996
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/12/1997
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/24/1998
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/30/2002
Action: Soil and Water Investigation Report

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/21/2009
Action: Soil and Water Investigation Workplan

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/12/1992
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/14/1996
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/19/1998
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/10/2003
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE

92960 (Continued) **S101623741**

Date: 10/10/2003
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/13/2004
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/16/1991
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/11/1994
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 09/23/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/03/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/31/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/29/2004
Action: Soil and Water Investigation Report

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/28/1993
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/05/2005
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/05/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/15/1990
Action: Soil and Water Investigation Report

92960 (Continued) **S101623741**

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/27/2007
Action: Soil and Water Investigation Report

Global Id: T0600100318
Action Type: RESPONSE
Date: 11/14/2008
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/03/2003
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/20/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/16/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/18/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/10/2012
Action: Monitoring Report - Annually

Global Id: T0600100318
Action Type: RESPONSE
Date: 06/21/2006
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/04/2006
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE

92960 (Continued) **S101623741**

Date: 01/17/2008
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/08/1991
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/05/1992
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 02/10/1997
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/05/1990
Action: Monitoring Report - Other

Global Id: T0600100318
Action Type: RESPONSE
Date: 05/12/2013
Action: Correspondence

Global Id: T0600100318
Action Type: RESPONSE
Date: 08/08/1994
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 07/25/2002
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/28/2002
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 04/03/2003
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/18/2006
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: RESPONSE
Date: 01/30/2007
Action: Monitoring Report - Quarterly

92960 (Continued) **S101623741**

Global Id: T0600100318
Action Type: RESPONSE
Date: 10/20/1995
Action: Monitoring Report - Quarterly

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 02/22/2012
Action: File review

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 01/10/2013
Action: Staff Letter - #20130110

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 07/26/2013
Action: Staff Letter - #20130726

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 04/12/2013
Action: Staff Letter - #20130412

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 05/22/2013
Action: Notification - Public Participation Document - #20130522

Global Id: T0600100318
Action Type: ENFORCEMENT
Date: 01/30/2014
Action: Closure/No Further Action Letter - #20140130

Global Id: T0600100318
Action Type: Other
Date: 06/19/1986
Action: Leak Discovery

LUST:
Global Id: T0600100318
Status: Completed - Case Closed
Status Date: 01/30/2014

Global Id: T0600100318
Status: Open - Assessment & Interim Remedial Action
Status Date: 11/21/1991

Global Id: T0600100318
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/08/2002

92960 (Continued) **S101623741**

Global Id: T0600100318
Status: Open - Case Begin Date
Status Date: 06/19/1986

Global Id: T0600100318
Status: Open - Eligible for Closure
Status Date: 05/22/2013

Global Id: T0600100318
Status: Open - Site Assessment
Status Date: 01/21/2009

Global Id: T0600100318
Status: Open - Verification Monitoring
Status Date: 06/13/2001

LUST REG 2:
Region: 2
Facility Id: 01-0346
Facility Status: Remedial action (cleanup) Underway
Case Number: 656
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 10/15/1989
Pollution Characterization Began: 8/27/1990
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 5/3/1993
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Name: CHEVRON #9-2960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 94546
Status: Pollution Characterization
Record Id: RO0000275
PE: 5602
Facility Status: Pollution Charaterization
Latitude: 37.684540194
Longitude: -122.073235

Name: CHEVRON #9-2960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 94546
Status: Verificaiton Monitoring Underway
Record Id: RO0000275
PE: 5602
Facility Status: Verification Monitoring Underway
Latitude: 37.684540194
Longitude: -122.073235

Name: CHEVRON #9-2960

92960 (Continued) **S101623741**

Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 94546
Status: Case Closed
Record Id: RO0000275
PE: 5602
Facility Status: Case Closed
Latitude: 37.684540194
Longitude: -122.073235

SWEEPS UST:
Name: Not reported
Address: 2416 GROVEWAY
City: CASTRO VALLEY
Status: Not reported
Comp Number: 62355
Number: Not reported
Board Of Equalization: 44-000657
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-062355-000001
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 4

Name: Not reported
Address: 2416 GROVEWAY
City: CASTRO VALLEY
Status: Not reported
Comp Number: 62355
Number: Not reported
Board Of Equalization: 44-000657
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-000-062355-000002
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 2416 GROVEWAY
City: CASTRO VALLEY
Status: Not reported
Comp Number: 62355
Number: Not reported
Board Of Equalization: 44-000657

92960 (Continued) **S101623741**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-062355-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	Not reported
Address:	2416 GROVEWAY
City:	CASTRO VALLEY
Status:	Not reported
Comp Number:	62355
Number:	Not reported
Board Of Equalization:	44-000657
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	01-000-062355-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

Name:	92960
Address:	2416 GROVEWAY
City,State,Zip:	CASTRO VALLEY, CA 94546
File Number:	00035E30
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035E30.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

92960 (Continued) **S101623741**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	01002246
Regulated By:	UTNKI
Regulated ID:	00062355
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4155810505
Mail To:	Not reported
Mailing Address:	2416 GROVEWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CASTRO VALLEY 94546
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

HAZNET:

Name:	CHEVRON 92960
Address:	2416 GROVE WAY
City,State,Zip:	CASTRO VALLEY, CA 945467106
Year:	2013
GEPAID:	CAL000041715
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Alameda
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Tons:	0.025
CA Waste Code:	122-Alkaline solution without metals pH >= 12.5
Method:	H135-Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	Alameda

Name:	CHEVRON 92960
Address:	2416 GROVE WAY
City,State,Zip:	CASTRO VALLEY, CA 945467106
Year:	1992
GEPAID:	CAL000041715
Contact:	KWAME AWUKU
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	1
TSD EPA ID:	CAD043260702
TSD County:	San Mateo

92960 (Continued) **S101623741**

Tons: 0.417
CA Waste Code: 223-Unspecified oil-containing waste
Method: R01-Recycler
Facility County: Alameda

Name: CHEVRON 92960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 945467106
Year: 1992
GEPAID: CAL000041715
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: 1
TSD EPA ID: WAD009477175
TSD County: 99
Tons: 0.2
CA Waste Code: 581-Gas scrubber waste
Method: R01-Recycler
Facility County: Alameda

Name: CHEVRON 92960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 945467106
Year: 1991
GEPAID: CAL000041715
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: 1
TSD EPA ID: CAD980883177
TSD County: Kern
Tons: 0.6255
CA Waste Code: 223-Unspecified oil-containing waste
Method: R01-Recycler
Facility County: Alameda

Name: CHEVRON 92960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 945467106
Year: 1991
GEPAID: CAL000041715
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: 1
TSD EPA ID: CAD043260702
TSD County: San Mateo
Tons: 0.5838
CA Waste Code: 223-Unspecified oil-containing waste
Method: R01-Recycler

92960 (Continued) **S101623741**

Facility County: Alameda

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

HIST CORTESE:
edr_fname: CHEVRON
edr_fadd1: 2416 GROVE
City,State,Zip: CASTRO VALLEY, CA 94546
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0346

CERS:
Name: CHEVRON #9-2960
Address: 2416 GROVE WAY
City,State,Zip: CASTRO VALLEY, CA 94546
Site ID: 230019
CERS ID: T0600100318
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: MARK DETTERMAN - ALAMEDA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1131 HARBOR BAY PARKWAY
Affiliation City: ALAMEDA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5105676876

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

I39 **HAYWARD GAS MART INC.** **LUST U003940030**
SSW **22690 FOOTHILL BLVD** **UST N/A**
1/4-1/2 **HAYWARD, CA 94541** **Cortese**
0.400 mi.
2110 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
118 ft.

LUST REG 2:
Region: 2
Facility Id: 01-2027
Facility Status: Pollution Characterization
Case Number: 01-2027
How Discovered: OM
Leak Cause: UNK

HAYWARD GAS MART INC. (Continued) **U003940030**

Leak Source: UNK
Date Leak Confirmed: 2/6/1995
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 2/20/2003
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

UST:
Name: HAYWARD GAS MART INC
Address: 22690 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Facility ID: 01-003-019102
Permitting Agency: Hayward City Fire Department
Latitude: 37.67333
Longitude: -122.07997

Name: HAYWARD GAS MART INC.
Address: 22690 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Facility ID: 01-003-019102
Permitting Agency: HAYWARD, CITY OF
Latitude: 37.6747773
Longitude: -122.0785634

CORTESE:
Name: HAYWARD GAS & MART
Address: 22690 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0600101872
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

I40 **HAYWARD GAS MART** **LUST** **S101580458**
SSW **22690 FOOTHILL BLVD** **CA FID UST** **N/A**
1/4-1/2 **HAYWARD, CA 94541** **HIST CORTESE**
0.400 mi. **CERS**
2110 ft. **Site 2 of 2 in cluster I**

Relative: Higher
Actual: 118 ft.

LUST:

Name:	HAYWARD GAS & MART
Address:	22690 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600101872
Global Id:	T0600101872
Latitude:	37.6733207590009
Longitude:	-122.080005705357
Status:	Open - Eligible for Closure
Status Date:	08/29/2018
Case Worker:	KEB
RB Case Number:	01-2027
Local Agency:	HAYWARD, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Transfer of oversight from the Hayward Fire Department to the Regional Board on 12/30/2013. On 8-29-2018, caseworker Kevin Brown, CEG #2180 reviewed the July 31, 2018, Low-Threat Closure Evaluation Report prepared by Stratus Environmental. Rebound testing has been performed, and no significant post-ozone and oxygen injection rebound has occurred in groundwater. I concur with the report's main finding that the case meets the LTCP and is therefore eligible for closure.

LUST:

Global Id:	T0600101872
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported

Global Id:	T0600101872
Contact Type:	Regional Board Caseworker
Contact Name:	KEVIN BROWN
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	kebrown@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600101872
Action Type:	Other
Date:	10/13/1994
Action:	Leak Discovery

Global Id:	T0600101872

HAYWARD GAS MART (Continued) **S101580458**

Action Type: Other
Date: 10/13/1994
Action: Leak Stopped

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 11/23/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101872
Action Type: Other
Date: 10/13/1994
Action: Leak Reported

Global Id: T0600101872
Action Type: RESPONSE
Date: 08/28/2013
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 08/11/2008
Action: Notice to Comply

Global Id: T0600101872
Action Type: RESPONSE
Date: 08/07/2018
Action: Request for Closure - Regulator Responded

Global Id: T0600101872
Action Type: RESPONSE
Date: 05/01/2017
Action: Other Workplan - Regulator Responded

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 06/28/2016
Action: File Review - Closure

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 01/28/2010
Action: Staff Letter

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 02/22/2010
Action: Staff Letter

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 05/11/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101872
Action Type: RESPONSE
Date: 04/28/2010

HAYWARD GAS MART (Continued) **S101580458**

Action: Conceptual Site Model

Global Id: T0600101872
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Quarterly

Global Id: T0600101872
Action Type: RESPONSE
Date: 04/30/2014
Action: Monitoring Report - Quarterly

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 12/30/2013
Action: Referral to Regional Board

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 06/23/2015
Action: File Review - Closure

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 07/01/2015
Action: Site Visit / Inspection / Sampling

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 06/26/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 12/03/2018
Action: Notification - Preclosure

Global Id: T0600101872
Action Type: ENFORCEMENT
Date: 04/13/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101872
Action Type: RESPONSE
Date: 05/22/2010
Action: Monitoring Report - Quarterly

Global Id: T0600101872
Action Type: RESPONSE
Date: 04/28/2010
Action: Soil and Water Investigation Workplan - Addendum

LUST:
Global Id: T0600101872
Status: Open - Case Begin Date
Status Date: 10/13/1994

HAYWARD GAS MART (Continued) **S101580458**

Global Id: T0600101872
Status: Open - Eligible for Closure
Status Date: 08/29/2018

Global Id: T0600101872
Status: Open - Inactive
Status Date: 09/21/2009

Global Id: T0600101872
Status: Open - Remediation
Status Date: 01/02/2016

Global Id: T0600101872
Status: Open - Site Assessment
Status Date: 02/06/1995

Global Id: T0600101872
Status: Open - Site Assessment
Status Date: 02/20/2003

Global Id: T0600101872
Status: Open - Site Assessment
Status Date: 05/17/2010

CA FID UST:
Facility ID: 01002932
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5108861365
Mail To: Not reported
Mailing Address: 440 S WINCHESTER BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: HAYWARD 94541
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: HAYWARD GAS & MART
edr_fadd1: 22690 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2027

CERS:
Name: HAYWARD GAS & MART
Address: 22690 FOOTHILL BLVD

HAYWARD GAS MART (Continued) **S101580458**

City,State,Zip: HAYWARD, CA 94541
Site ID: 249400
CERS ID: T0600101872
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET, SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

J41 **UNOCAL SS #7319** **LUST** **S101580427**
West **22253 FOOTHILL BLVD** **SWEEPS UST** **N/A**
1/4-1/2 **HAYWARD, CA 94541** **CA FID UST**
0.413 mi. **HIST CORTESE**
2182 ft. **Site 1 of 2 in cluster J** **CERS**

Relative: Higher
Actual: 115 ft.

LUST:
Name: WORLD OIL MKTG CO STATION #76
Address: 22253 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Lead Agency: HAYWARD, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600172854
Global Id: T0600172854
Latitude: 37.679572
Longitude: -122.085363
Status: Completed - Case Closed
Status Date: 11/30/2009
Case Worker: DMG
RB Case Number: 01-3550
Local Agency: HAYWARD, CITY OF
File Location: Local Agency
Local Case Number: 01-3550
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: SECOND CASE IN SERVICE STATION WHERE A FORMER CASE (01-2018) HAS BEEN CLOSED.

LUST:
Global Id: T0600172854
Contact Type: Local Agency Caseworker
Contact Name: DANILO M. GALANG

UNOCAL SS #7319 (Continued) **S101580427**

Organization Name: HAYWARD, CITY OF
Address: 777 B STREET
City: HAYWARD
Email: danny.galang@hayward-ca.gov
Phone Number: Not reported

LUST:

Global Id: T0600172854
Action Type: Other
Date: 07/14/2006
Action: Leak Discovery

Global Id: T0600172854
Action Type: Other
Date: 07/19/2006
Action: Leak Reported

Global Id: T0600172854
Action Type: RESPONSE
Date: 04/23/2009
Action: Request for Closure

Global Id: T0600172854
Action Type: ENFORCEMENT
Date: 11/16/2009
Action: File Review - Closure

Global Id: T0600172854
Action Type: ENFORCEMENT
Date: 01/27/2010
Action: Petition Submitted for Review

Global Id: T0600172854
Action Type: ENFORCEMENT
Date: 02/05/2010
Action: Staff Letter

Global Id: T0600172854
Action Type: ENFORCEMENT
Date: 12/28/2009
Action: Letter - Notice

Global Id: T0600172854
Action Type: ENFORCEMENT
Date: 09/20/2010
Action: Closure/No Further Action Letter

Global Id: T0600172854
Action Type: REMEDIATION
Date: 07/14/2006
Action: Excavation

Global Id: T0600172854
Action Type: Other
Date: 07/14/2006
Action: Leak Began

UNOCAL SS #7319 (Continued) **S101580427**

LUST:

Global Id:	T0600172854
Status:	Completed - Case Closed
Status Date:	11/30/2009
Global Id:	T0600172854
Status:	Open - Case Begin Date
Status Date:	07/14/2006
Global Id:	T0600172854
Status:	Open - Site Assessment
Status Date:	08/07/2006
Global Id:	T0600172854
Status:	Open - Site Assessment
Status Date:	10/23/2006
Global Id:	T0600172854
Status:	Open - Verification Monitoring
Status Date:	11/23/2006
Global Id:	T0600172854
Status:	Open - Verification Monitoring
Status Date:	11/30/2009

Name:	WORLD OIL #76
Address:	22253 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600101864
Global Id:	T0600101864
Latitude:	37.679576
Longitude:	-122.085365
Status:	Completed - Case Closed
Status Date:	03/30/2000
Case Worker:	DMG
RB Case Number:	01-2018
Local Agency:	HAYWARD, CITY OF
File Location:	Not reported
Local Case Number:	01-2018
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0600101864
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported
Global Id:	T0600101864

UNOCAL SS #7319 (Continued) **S101580427**

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0600101864
Action Type: Other
Date: 08/12/1997
Action: Leak Discovery

Global Id: T0600101864
Action Type: Other
Date: 06/03/1997
Action: Leak Stopped

Global Id: T0600101864
Action Type: Other
Date: 02/04/1998
Action: Leak Reported

LUST:
Global Id: T0600101864
Status: Completed - Case Closed
Status Date: 03/30/2000

Global Id: T0600101864
Status: Open - Case Begin Date
Status Date: 12/22/1994

Global Id: T0600101864
Status: Open - Site Assessment
Status Date: 12/22/1994

Global Id: T0600101864
Status: Open - Site Assessment
Status Date: 02/17/1998

Global Id: T0600101864
Status: Open - Site Assessment
Status Date: 03/27/1998

SWEEPS UST:
Name: UNOCAL SS #7319 PREVIN CHAUHAN
Address: 22253 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 188
Number: 1
Board Of Equalization: 44-001057
Referral Date: 11-03-92
Action Date: 11-03-92

UNOCAL SS #7319 (Continued) **S101580427**

Created Date: 11-03-92
Owner Tank Id: 7319-11
SWRCB Tank Id: 01-003-000188-000001
Tank Status: A
Capacity: 8000
Active Date: 11-03-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: UNOCAL SS #7319 PREVIN CHAUHAN
Address: 22253 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 188
Number: 1
Board Of Equalization: 44-001057
Referral Date: 11-03-92
Action Date: 11-03-92
Created Date: 11-03-92
Owner Tank Id: 7319-22
SWRCB Tank Id: 01-003-000188-000002
Tank Status: A
Capacity: 7500
Active Date: 11-03-92
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL SS #7319 PREVIN CHAUHAN
Address: 22253 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 188
Number: 1
Board Of Equalization: 44-001057
Referral Date: 11-03-92
Action Date: 11-03-92
Created Date: 11-03-92
Owner Tank Id: 7319-33
SWRCB Tank Id: 01-003-000188-000003
Tank Status: A
Capacity: 5000
Active Date: 11-03-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL SS #7319 PREVIN CHAUHAN
Address: 22253 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 188
Number: 1

UNOCAL SS #7319 (Continued) **S101580427**

Board Of Equalization: 44-001057
Referral Date: 11-03-92
Action Date: 11-03-92
Created Date: 11-03-92
Owner Tank Id: 7319-34
SWRCB Tank Id: 01-003-000188-000004
Tank Status: A
Capacity: 5000
Active Date: 11-03-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: UNOCAL SS #7319/PREVIN CHAUHAN
Address: 22253 FOOTHILL BLVD
City: HAYWARD
Status: Not reported
Comp Number: 188
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 01-003-000188-000005
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

CA FID UST:
Facility ID: 01002849
Regulated By: UTNKA
Regulated ID: 982059834
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5107335231
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: HAYWARD 94541
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: WORLD OIL COMPANY
edr_fadd1: 22253 FOOTHILL

UNOCAL SS #7319 (Continued) **S101580427**

City,State,Zip: HAYWARD, CA 94541
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2018

CERS:
Name: WORLD OIL #76
Address: 22253 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Site ID: 224188
CERS ID: T0600101864
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: WORLD OIL MKTG CO STATION #76
Address: 22253 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Site ID: 222216
CERS ID: T0600172854
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

J42
West
1/4-1/2
0.413 mi.
2182 ft.

WORLD OIL #76
22253 FOOTHILL BLVD
HAYWARD, CA 94541

Site 2 of 2 in cluster J

LUST **1000278404**
N/A

Relative:
Higher

Actual:
115 ft.

LUST REG 2:

Region:	2
Facility Id:	01-2018
Facility Status:	Case Closed
Case Number:	01-2018
How Discovered:	Tank Closure
Leak Cause:	Other Cause
Leak Source:	Other Source
Date Leak Confirmed:	12/22/1994
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	2/17/1998
Pollution Characterization Began:	3/27/1998
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

43
SW
1/4-1/2
0.434 mi.
2293 ft.

MAIN AND MAPLE MIXED USE PROJECT
22330 MAIN STREET
HAYWARD, CA 94541

ENVIROSTOR **S123785062**
VCP **N/A**

Relative:
Higher

Actual:
127 ft.

ENVIROSTOR:

Name:	MAIN AND MAPLE MIXED USE PROJECT
Address:	22330 MAIN STREET
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	60002780
Status:	Active
Status Date:	01/23/2019
Site Code:	202232
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Eric Chodoroff
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Assembly:	, 20
Senate:	, 10
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.67534
Longitude:	-122.0840
APN:	428 006101000, 428 006101100, 428 006101202, 428 006101302, 428 006106101
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	Tetrachloroethylene (PCE
Potential Description:	OTH, SV, UE

MAIN AND MAPLE MIXED USE PROJECT (Continued) **S123785062**

Alias Name:	428 006101000
Alias Type:	APN
Alias Name:	428 006101100
Alias Type:	APN
Alias Name:	428 006101202
Alias Type:	APN
Alias Name:	428 006101302
Alias Type:	APN
Alias Name:	428 006106101
Alias Type:	APN
Alias Name:	202232
Alias Type:	Project Code (Site Code)
Alias Name:	60002780
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/23/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	01/18/2019
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

VCP:

Name:	MAIN AND MAPLE MIXED USE PROJECT
Address:	22330 MAIN STREET
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	60002780
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Eric Chodoroff
Supervisor:	Mark Piros
Division Branch:	Cleanup Berkeley
Site Code:	202232
Assembly:	, 20
Senate:	, 10

MAIN AND MAPLE MIXED USE PROJECT (Continued) **S123785062**

Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/23/2019
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.67534 / -122.0840
APN: 428 006101000, 428 006101100, 428 006101202, 428 006101302, 428 006106101
Past Use: DRY CLEANING
Potential COC: 30022
Confirmed COC: 30022
Potential Description: OTH, SV, UE
Alias Name: 428 006101000
Alias Type: APN
Alias Name: 428 006101100
Alias Type: APN
Alias Name: 428 006101202
Alias Type: APN
Alias Name: 428 006101302
Alias Type: APN
Alias Name: 428 006106101
Alias Type: APN
Alias Name: 202232
Alias Type: Project Code (Site Code)
Alias Name: 60002780
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/23/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 01/18/2019
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

K44
SSW
1/4-1/2
0.458 mi.
2417 ft.

22695 FOOTHILL BLVD
22695 FOOTHILL BLVD
HAYWARD, CA

Site 1 of 2 in cluster K

CPS-SLIC **S106234904**
N/A

Relative:
Higher

Actual:
116 ft.

SLIC REG 2:

Region:	2
Facility ID:	01S0583
Facility Status:	Not reported
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

K45
SSW
1/4-1/2
0.458 mi.
2417 ft.

22695 FOOTHILL BLVD
22695 FOOTHILL BLVD
HAYWARD, CA 94541

Site 2 of 2 in cluster K

CPS-SLIC **S108199335**
DEED **N/A**
HAZNET
CERS

Relative:
Higher

Actual:
116 ft.

CPS-SLIC:

Name:	22695 FOOTHILL BLVD
Address:	22695 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/01/2016
Global Id:	SL0002020095
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.6731314303653
Longitude:	-122.080888689827
Case Type:	Cleanup Program Site
Case Worker:	NF
Local Agency:	Not reported
RB Case Number:	01S0583
File Location:	Regional Board
Potential Media Affected:	Soil, Soil Vapor
Potential Contaminants of Concern:	* Chlorinated Solvents - PCE
Site History:	The site is contaminated by chlorinated solvents from historic dry cleaning operations (1965 to 1982). The contaminants are present in soil vapor and groundwater, and to a lesser degree, in soil. Human health risk assessment indicate that the potential incremental risk is less that what is considered acceptable by the Water Board for commercial development. As an added protective measure, the development of the theater-complex building includes a vapor barrier to mitigate the potential migration of vapors from the subsurface into the building. Tetrachloroethylene (PCE) and methyl tertiary butyl ether (MTBE) are present in groundwater at concentrations above their respective California drinking water standards; however, water for all uses at the site, including potable and landscape uses, are

22695 FOOTHILL BLVD (Continued) **S108199335**

supplied via the municipal water supply.

Click here to access the California GeoTracker records for this facility:

DEED:
Name: 22695 FOOTHILL BLVD
Address: 22695 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Envirostor ID: SL0002020095
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 07/21/2006
File Name: Geotracker Land Use/Deed Restrictions

HAZNET:
Name: CITY OF HAYWARD
Address: 22695 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 945414205
Year: 2015
GEPAID: CAC002621292
Contact: PAUL DALMON
Telephone: 5105834263
Mailing Name: Not reported
Mailing Address: 777 B ST
Mailing City,St,Zip: HAYWARD, CA 945415007
Gen County: Alameda
TSD EPA ID: CAD982042475
TSD County: Solano
Tons: 0.23
CA Waste Code: 151-Asbestos containing waste
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Alameda

CERS:
Name: 22695 FOOTHILL BLVD
Address: 22695 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Site ID: 251607
CERS ID: SL0002020095
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NICOLE FRY - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 Clay St.
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5106225047

46
SW
1/4-1/2
0.467 mi.
2466 ft.

GOODYEAR TIRE & RUBBER COMPANY
1015 A ST
HAYWARD, CA 94541

LUST
HIST CORTESE
CERS

S102430882
N/A

Relative:
Higher

Actual:
111 ft.

LUST:

Name:	GOODYEAR TIRE & RUBBER COMPANY
Address:	1015 A ST
City,State,Zip:	HAYWARD, CA 94541
Lead Agency:	HAYWARD, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100657
Global Id:	T0600100657
Latitude:	37.673853
Longitude:	-122.083271
Status:	Completed - Case Closed
Status Date:	10/15/2002
Case Worker:	DMG
RB Case Number:	01-0713
Local Agency:	HAYWARD, CITY OF
File Location:	Not reported
Local Case Number:	01-0713
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0600100657
Contact Type:	Local Agency Caseworker
Contact Name:	DANILO M. GALANG
Organization Name:	HAYWARD, CITY OF
Address:	777 B STREET
City:	HAYWARD
Email:	danny.galang@hayward-ca.gov
Phone Number:	Not reported

Global Id:	T0600100657
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0600100657
Action Type:	Other
Date:	08/03/1988
Action:	Leak Discovery

Global Id:	T0600100657
Action Type:	RESPONSE
Date:	10/29/2002
Action:	Request for Closure

Global Id:	T0600100657
Action Type:	RESPONSE

GOODYEAR TIRE & RUBBER COMPANY (Continued) **S102430882**

Date: 11/07/2002
Action: Other Report / Document

Global Id: T0600100657
Action Type: RESPONSE
Date: 10/29/2002
Action: Other Report / Document

Global Id: T0600100657
Action Type: Other
Date: 08/03/1988
Action: Leak Stopped

Global Id: T0600100657
Action Type: Other
Date: 08/03/1988
Action: Leak Reported

Global Id: T0600100657
Action Type: ENFORCEMENT
Date: 11/07/2002
Action: Technical Correspondence / Assistance / Other

LUST:
Global Id: T0600100657
Status: Completed - Case Closed
Status Date: 10/15/2002

Global Id: T0600100657
Status: Open - Case Begin Date
Status Date: 08/03/1988

Global Id: T0600100657
Status: Open - Site Assessment
Status Date: 08/03/1988

LUST REG 2:
Region: 2
Facility Id: 01-0713
Facility Status: Case Closed
Case Number: 01-0713
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 8/3/1988
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST CORTESE:
edr_fname: GOODYEAR TIRE & RUBBER CO

GOODYEAR TIRE & RUBBER COMPANY (Continued) **S102430882**

edr_fadd1: 1015 A
City,State,Zip: HAYWARD, CA
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0713

CERS:
Name: GOODYEAR TIRE & RUBBER COMPANY
Address: 1015 A ST
City,State,Zip: HAYWARD, CA 94541
Site ID: 246259
CERS ID: T0600100657
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DANILO M. GALANG - HAYWARD, CITY OF
Entity Title: Not reported
Affiliation Address: 777 B STREET
Affiliation City: HAYWARD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

47
West
1/4-1/2
0.489 mi.
2584 ft.

Relative:
Higher

Actual:
111 ft.

CHEVRON STATION #90260
21995 FOOTHILL BLVD
HAYWARD, CA 94541

LUST **S101579996**
Alameda County CS **N/A**
SWEEPS UST
CA FID UST
Cortese
EMI
HIST CORTESE
CERS

LUST:
Name: CHEVRON #9-0260
Address: 21995 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Lead Agency: ALAMEDA COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100315
Global Id: T0600100315
Latitude: 37.6805258386646
Longitude: -122.08655834198
Status: Open - Assessment & Interim Remedial Action
Status Date: 11/10/2016

CHEVRON STATION #90260 (Continued) **S101579996**

Case Worker:	MD
RB Case Number:	01-0343
Local Agency:	ALAMEDA COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	RO0000383
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	An existing service station site was purchased in 1985 by Chevron. Three backfill wells existed, and a UST leak was thereafter discovered. All USTs were replaced, but no records are available. A vapor assessment was conducted in 1987. In January 1988 wells MW-4 to MW-7 were installed; in October 1988 wells MW-8 to MW-10 were installed, in June 1989 wells MW-11 to MW-13 were installed, and in August 1990 wells MW-14 to MW-16 were installed. A groundwater extraction system was installed and started in August 1991, using ultraviolet-hydrogen peroxide reactor. Partly due to higher concentrations of arsenic (suspected to be from pesticide use at apricot orchard on and near site) the system treatment was altered in June 1992 to a bioreactor and aqueous-phase carbon. In August 1992 well MW-17 and piezometer P-1 were installed on the opposite side of San Lorenzo Creek (P-1 has history of periodic trace detections). In June 1993 soil vapor and groundwater extraction tests were conducted. In October 1996 the station was demolished, and in 1997 a dual-phase extraction system was installed. In July 1997 a RBCA analysis was submitted and benzene was found to be a risk. An August 1997 well survey found two domestic wells in the downgradient residential community. In October 1997 two-phase extraction was started, and operated through June 2002. A dual-phase extraction pilot test was conducted in December 2002. In June 2003 soil vapor probes were installed, and a second risk assessment was conducted. Fourteen CPT bores were installed in late 2004 but are unreported. Well MW-19 was installed in May 2006, as were three DVE wells. Groundwater has been monitored at the site since February 1988.

LUST:

Global Id:	T0600100315
Contact Type:	Regional Board Caseworker
Contact Name:	BARBARA SIEMINSKI
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	bsieminski@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0600100315
Contact Type:	Local Agency Caseworker
Contact Name:	MARK DETTERMAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	mark.detterman@acgov.org
Phone Number:	5105676876

LUST:

Global Id:	T0600100315
Action Type:	RESPONSE
Date:	02/28/2018

CHEVRON STATION #90260 (Continued) **S101579996**

Action:	Conceptual Site Model
Global Id:	T0600100315
Action Type:	ENFORCEMENT
Date:	11/07/1997
Action:	Notice of Responsibility - #UNK
Global Id:	T0600100315
Action Type:	ENFORCEMENT
Date:	09/23/2014
Action:	Staff Letter - #20140923
Global Id:	T0600100315
Action Type:	Other
Date:	10/07/1996
Action:	Leak Stopped
Global Id:	T0600100315
Action Type:	ENFORCEMENT
Date:	02/15/2008
Action:	* No Action - #UNK
Global Id:	T0600100315
Action Type:	ENFORCEMENT
Date:	12/29/2014
Action:	Staff Letter - #20141229
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	02/03/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	11/30/2011
Action:	Monitoring Report - Quarterly
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	05/25/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	08/30/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	09/04/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0600100315
Action Type:	RESPONSE
Date:	12/04/2015
Action:	Monitoring Report - Quarterly

CHEVRON STATION #90260 (Continued) **S101579996**

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/04/2016
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/30/2015
Action: Site Assessment Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/03/2017
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 08/31/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 11/10/2016
Action: Staff Letter - #20161110

Global Id: T0600100315
Action Type: Other
Date: 11/06/1997
Action: Leak Reported

Global Id: T0600100315
Action Type: RESPONSE
Date: 07/18/1997
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 07/25/2006
Action: Correspondence

Global Id: T0600100315
Action Type: RESPONSE
Date: 06/07/2004
Action: Sensitive Receptor Survey Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/19/1995
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/23/1998
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE

CHEVRON STATION #90260 (Continued) **S101579996**

Date: 11/26/1996
Action: Tank Removal Report / UST Sampling Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/18/2002
Action: Interim Remedial Action Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 06/03/1997
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/04/1991
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/31/1988
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 08/03/1989
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/10/1997
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/26/1998
Action: CAP/RAP - Other Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 02/15/1991
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/09/1992
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/13/2002
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/08/2005
Action: Soil and Water Investigation Workplan - Addendum

CHEVRON STATION #90260 (Continued) **S101579996**

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/27/2004
Action: Soil and Water Investigation Workplan

Global Id: T0600100315
Action Type: RESPONSE
Date: 02/20/2003
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/03/1988
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/22/1992
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/07/2005
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 09/11/2009
Action: Staff Letter - #20090911

Global Id: T0600100315
Action Type: RESPONSE
Date: 04/17/2017
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/29/2013
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0600100315
Action Type: RESPONSE
Date: 08/13/1997
Action: Sensitive Receptor Survey Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 12/31/2009
Action: CAP/RAP - Other Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/25/2002
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE

CHEVRON STATION #90260 (Continued) **S101579996**

Date: 12/07/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/01/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0600100315
Action Type: RESPONSE
Date: 03/31/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0600100315
Action Type: RESPONSE
Date: 07/25/2014
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/21/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/28/2015
Action: Site Assessment Report - Regulator Responded

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 03/13/2014
Action: Meeting - #20140313

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/10/2013
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 09/11/2013
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 06/08/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0600100315
Action Type: RESPONSE
Date: 01/12/2018
Action: Correspondence

Global Id: T0600100315
Action Type: RESPONSE
Date: 07/31/2017
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

CHEVRON STATION #90260 (Continued) **S101579996**

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 09/11/2009
Action: Staff Letter

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 05/25/2017
Action: Staff Letter

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 03/13/2018
Action: Meeting

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/30/2014
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 05/20/2016
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/06/2017
Action: Correspondence

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 10/09/2009
Action: Staff Letter - #20091009

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 11/14/2005
Action: Staff Letter - #20051114

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 04/18/2012
Action: Staff Letter - #20120418

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 03/15/2013
Action: Staff Letter - #20130315

Global Id: T0600100315
Action Type: ENFORCEMENT

CHEVRON STATION #90260 (Continued) **S101579996**

Date: 07/12/2013
Action: Staff Letter - #20130712

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 03/13/2018
Action: Staff Letter

Global Id: T0600100315
Action Type: RESPONSE
Date: 01/15/2010
Action: Interim Remedial Action Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 04/04/2014
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 08/22/2014
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: RESPONSE
Date: 11/21/2014
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 08/01/2014
Action: Technical Correspondence / Assistance / Other - #08/01/2014

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 07/21/2015
Action: Staff Letter - #20150721

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 03/24/2014
Action: Notice to Comply - #20140324

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 11/29/2017
Action: Meeting

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 12/14/2017
Action: Staff Letter

Global Id: T0600100315
Action Type: RESPONSE
Date: 02/20/2015
Action: Monitoring Report - Quarterly

CHEVRON STATION #90260 (Continued) **S101579996**

Global Id: T0600100315
Action Type: RESPONSE
Date: 12/12/2016
Action: Monitoring Report - Quarterly

Global Id: T0600100315
Action Type: REMEDIATION
Date: 10/13/1997
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

Global Id: T0600100315
Action Type: ENFORCEMENT
Date: 09/22/2017
Action: Staff Letter

Global Id: T0600100315
Action Type: Other
Date: 12/13/1987
Action: Leak Discovery

Global Id: T0600100315
Action Type: RESPONSE
Date: 10/06/2017
Action: Soil and Water Investigation Report

Global Id: T0600100315
Action Type: RESPONSE
Date: 06/05/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0600100315
Action Type: REMEDIATION
Date: 10/07/1996
Action: Free Product Removal

Global Id: T0600100315
Action Type: REMEDIATION
Date: 06/25/2007
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

LUST:
Global Id: T0600100315
Status: Open - Assessment & Interim Remedial Action
Status Date: 10/07/1996

Global Id: T0600100315
Status: Open - Assessment & Interim Remedial Action
Status Date: 08/31/2012

Global Id: T0600100315
Status: Open - Assessment & Interim Remedial Action
Status Date: 11/10/2016

Global Id: T0600100315
Status: Open - Case Begin Date
Status Date: 12/13/1987

CHEVRON STATION #90260 (Continued) **S101579996**

Global Id: T0600100315
Status: Open - Remediation
Status Date: 08/23/1991

Global Id: T0600100315
Status: Open - Site Assessment
Status Date: 11/09/1992

Global Id: T0600100315
Status: Open - Verification Monitoring
Status Date: 10/07/1996

Global Id: T0600100315
Status: Open - Verification Monitoring
Status Date: 07/21/2015

LUST REG 2:
Region: 2
Facility Id: 01-0343
Facility Status: Remediation Plan
Case Number: 6528
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 6/27/1989
Pollution Remediation Plan Submitted: 8/23/1991
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Name: CHEVRON #9-0260
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Status: Remedial Action Underway
Record Id: RO0000383
PE: 5602
Facility Status: Remedial Action Underway
Latitude: 37.68057878
Longitude: -122.08621875

SWEEPS UST:
Name: CENTENNIAL CHEVRON
Address: 21995 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 1957
Number: 1
Board Of Equalization: 44-000790
Referral Date: 07-08-93
Action Date: 11-18-93
Created Date: 02-29-88

CHEVRON STATION #90260 (Continued) **S101579996**

Owner Tank Id: 947584
SWRCB Tank Id: 01-003-001957-000001
Tank Status: A
Capacity: 10000
Active Date: 08-10-93
Tank Use: M.V. FUEL
STG: P
Content: REGULAR UNLE
Number Of Tanks: 3

Name: CENTENNIAL CHEVRON
Address: 21995 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 1957
Number: 1
Board Of Equalization: 44-000790
Referral Date: 07-08-93
Action Date: 11-18-93
Created Date: 02-29-88
Owner Tank Id: 947584
SWRCB Tank Id: 01-003-001957-000002
Tank Status: A
Capacity: 10000
Active Date: 08-10-93
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Name: CENTENNIAL CHEVRON
Address: 21995 FOOTHILL BLVD
City: HAYWARD
Status: Active
Comp Number: 1957
Number: 1
Board Of Equalization: 44-000790
Referral Date: 07-08-93
Action Date: 11-18-93
Created Date: 02-29-88
Owner Tank Id: 947584
SWRCB Tank Id: 01-003-001957-000003
Tank Status: A
Capacity: 10000
Active Date: 08-10-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 01000474
Regulated By: UTNKA
Regulated ID: 000030067
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported

CHEVRON STATION #90260 (Continued) **S101579996**

Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	HAYWARD 94541
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	CHEVRON #9-0260
Address:	21995 FOOTHILL
City,State,Zip:	HAYWARD, CA 94541
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0600100315
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	TERRA VAC CORPORATION
Address:	21995 FOOTHILL BLVD
City,State,Zip:	HAYWARD, CA 94541
Year:	1998
County Code:	1
Air Basin:	SF
Facility ID:	11492
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CHEVRON STATION #90260 (Continued) **S101579996**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEVRON EMC C/O CONESTOGA-ROVE
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Year: 2007
County Code: 1
Air Basin: SF
Facility ID: 18218
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .027
Reactive Organic Gases Tons/Yr: .0188622
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEVRON EMC C/O CONESTOGA-ROVE
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Year: 2008
County Code: 1
Air Basin: SF
Facility ID: 18218
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .116
Reactive Organic Gases Tons/Yr: .0810376
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEVRON EMC C/O CONESTOGA-ROVE
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Year: 2009
County Code: 1
Air Basin: SF
Facility ID: 18218
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.9999999999999998E-2
Reactive Organic Gases Tons/Yr: 4.1916000000000002E-2

CHEVRON STATION #90260 (Continued) **S101579996**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
edr_fname: CHEVRON
edr_fadd1: 21995 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0343

CERS:
Name: CHEVRON EMC C/O CONESTOGA-ROVE
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Site ID: 459107
CERS ID: 110054250662
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: TERRA VAC CORPORATION
Address: 21995 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Site ID: 498151
CERS ID: 110021363914
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: CHEVRON #9-0260
Address: 21995 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Site ID: 194335
CERS ID: T0600100315
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: MARK DETTERMAN - ALAMEDA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1131 HARBOR BAY PARKWAY
Affiliation City: ALAMEDA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5105676876

Affiliation Type Desc: Regional Board Caseworker
Entity Name: BARBARA SIEMINSKI - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY STREET, SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

48
WSW
1/2-1
0.601 mi.
3174 ft.

TIBURCIO VASQUEZ HEALTH CTR - HAYWARD CL
22331 MISSION BLVD.
HAYWARD, CA 94541

ENVIROSTOR **S118756497**
N/A

Relative:
Higher

Actual:
97 ft.

ENVIROSTOR:

Name:	TIBURCIO VASQUEZ HEALTH CTR - HAYWARD CL
Address:	22331 MISSION BLVD.
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	1800003
Status:	No Action Required
Status Date:	05/28/2002
Site Code:	201440
Site Type:	Calmortgage
Site Type Detailed:	Calmortgage
Acres:	0.25
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Sandra Karinen
Supervisor:	William Beckman
Division Branch:	Cleanup Sacramento
Assembly:	20
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	CalMortgage
Latitude:	37.67402
Longitude:	-122.0872
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

49
West
1/2-1
0.850 mi.
4490 ft.

MONTGOMERY STREET PROJECT
21659 MISSION BOULEVARD
HAYWARD, CA 94541

ENVIROSTOR **S109929444**
N/A

Relative:
Lower

Actual:
87 ft.

ENVIROSTOR:

Name:	MONTGOMERY STREET PROJECT
Address:	21659 MISSION BOULEVARD
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	60000807
Status:	Inactive - Needs Evaluation
Status Date:	08/11/2008
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.72
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Karen Toth
Division Branch:	Cleanup Berkeley
Assembly:	20
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.67883
Longitude:	-122.0932
APN:	428-6-58-1
Past Use:	VEHICLE MAINTENANCE
Potential COC:	Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Dieldrin
Confirmed COC:	Dieldrin Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL Polychlorinated biphenyls (PCBs Trichloroethylene (TCE
Potential Description:	AQUI, SOIL, SV
Alias Name:	428-6-58-1
Alias Type:	APN
Alias Name:	60000807
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/08/2007
Comments:	Phase I investigation report submitted to DTSC with request for oversight application. This document was not prepared under DTSC oversight.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	06/20/2007
Comments:	Soil and groundwater contamination were detected at the Site. Much of the groundwater contamination appeared to be from an offsite source. This document was not prepared under DTSC oversight.

MONTGOMERY STREET PROJECT (Continued) **S109929444**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/27/2007
Comments:	Elevated concentrations of PCE detected in soil gas at the Site. The report recommended submittal of a "Request for Agency Oversight" application. This document was not prepared under DTSC oversight.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	03/05/2008
Comments:	A waste oil UST and other subsurface anomalies were identified at the site. This document was not prepared under DTSC oversight.
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

50
SSW
1/2-1
0.927 mi.
4894 ft.

GRAND PLACE, LLC
22815 SUTRO STREET
HAYWARD, CA 94541

ENVIROSTOR **S113091183**
VCP **N/A**
DEED
HAZNET

Relative:
Higher

Actual:
97 ft.

ENVIROSTOR:

Name:	GRAND PLACE, LLC
Address:	22815 SUTRO STREET
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	1010007
Status:	Active
Status Date:	08/29/2000
Site Code:	201323
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	6.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Yongsheng (Johnny) Sun
Supervisor:	Janet Naito
Division Branch:	Cleanup Berkeley
Assembly:	20
Senate:	10
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	GW
Funding:	Responsible Party
Latitude:	37.66722
Longitude:	-122.0847
APN:	431-0044-026, 431-0044-027-02, 431-0044-028, 431-0044-029-02, 431-0044-029-04, 431-0044-045, 431-0044-045, 431-0048-001,

GRAND PLACE, LLC (Continued) **S113091183**

	431-0048-002, 431-0048-020-02
Past Use:	MANUFACTURING - OTHER
Potential COC:	Trichloroethylene (TCE
Confirmed COC:	Trichloroethylene (TCE
Potential Description:	OTH
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	GRAND PLACE, LLC
Address:	22815 SUTRO STREET
City,State,Zip:	HAYWARD, CA 94541
Facility ID:	1010007
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	GW
Acres:	6.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Yongsheng (Johnny) Sun
Supervisor:	Janet Naito
Division Branch:	Cleanup Berkeley
Site Code:	201323
Assembly:	20
Senate:	10
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	08/29/2000
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	37.66722 / -122.0847
APN:	431-0044-026, 431-0044-027-02, 431-0044-028, 431-0044-029-02, 431-0044-029-04, 431-0044-045, 431-0044-045, 431-0048-001, 431-0048-002, 431-0048-020-02
Past Use:	MANUFACTURING - OTHER
Potential COC:	30027
Confirmed COC:	30027
Potential Description:	OTH

GRAND PLACE, LLC (Continued) **S113091183**

Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: GRAND PLACE, LLC
Address: 22815 SUTRO STREET
City,State,Zip: HAYWARD, CA 94541
Envirostor ID: 1010007
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 09/12/2002
File Name: Envirostor Land Use Restrictions

HAZNET:
Name: THERMIONICS LABORATORY INC
Address: 22815 SUTRO ST
City,State,Zip: HAYWARD, CA 945410000
Year: 1999
GEPAID: CAL000173420
Contact: JOHN TRUJILLO
Telephone: 5105383304
Mailing Name: Not reported
Mailing Address: PO BOX 3711
Mailing City,St,Zip: HAYWARD, CA 945403711
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Tons: 1.14
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: 1

Name: THERMIONICS LABORATORY INC
Address: 22815 SUTRO ST
City,State,Zip: HAYWARD, CA 945410000
Year: 1998

GRAND PLACE, LLC (Continued) **S113091183**

GEPAID: CAL000173420
Contact: CARL R FARIA PLANT MANAGER
Telephone: 5105383304
Mailing Name: Not reported
Mailing Address: PO BOX 3711
Mailing City,St,Zip: HAYWARD, CA 945403711
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Tons: 2.09
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Alameda

Name: THERMIONICS LABORATORY INC
Address: 22815 SUTRO ST
City,State,Zip: HAYWARD, CA 945410000
Year: 1997
GEPAID: CAL000173420
Contact: CARL R FARIA PLANT MANAGER
Telephone: 5105383304
Mailing Name: Not reported
Mailing Address: PO BOX 3711
Mailing City,St,Zip: HAYWARD, CA 945403711
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Tons: 2.869
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Alameda

Name: THERMIONICS LABORATORY INC
Address: 22815 SUTRO ST
City,State,Zip: HAYWARD, CA 945410000
Year: 1996
GEPAID: CAL000173420
Contact: CARL R FARIA PLANT MANAGER
Telephone: 5105383304
Mailing Name: Not reported
Mailing Address: PO BOX 3711
Mailing City,St,Zip: HAYWARD, CA 945403711
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Tons: 2.204
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Alameda

Name: THERMIONICS LABORATORY INC
Address: 22815 SUTRO ST
City,State,Zip: HAYWARD, CA 945410000
Year: 1995
GEPAID: CAL000173420
Contact: CARL R FARIA PLANT MANAGER
Telephone: 5105383304

GRAND PLACE, LLC (Continued) **S113091183**

Mailing Name: Not reported
Mailing Address: PO BOX 3711
Mailing City,St,Zip: HAYWARD, CA 945403711
Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Tons: 0.684
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Alameda

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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51 WNW 1/2-1 0.973 mi. 5138 ft. **DISCOUNT AUTO SALES** **21153 FOOTHILL BLVD** **HAYWARD, CA 94541**

ENVIROSTOR **S108245948**
CPS-SLIC **N/A**
Alameda County CS
CERS

Relative: Higher

Actual: 132 ft.

ENVIROSTOR:
Name: DISCOUNT AUTO SALES
Address: 21153 FOOTHILL BOULEVARD
City,State,Zip: HAYWARD, CA 94541
Facility ID: 1550003
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: 20
Senate: 10
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.68570
Longitude: -122.0933
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported

DISCOUNT AUTO SALES (Continued) **S108245948**

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

CPS-SLIC:
Name: DISCOUNT AUTO SALES
Address: 21153 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 08/20/1991
Global Id: T06019752713
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002667
Latitude: 37.68583
Longitude: -122.093291
Case Type: Cleanup Program Site
Case Worker: MD
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: NA
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: In April 1989 complaints of inappropriate storage and discharge of hazardous wastes was received from the property manage of adjacent parcels of land. A site inspection in March 1991 and found several hazardous waste storage violations, including discharges to soil. Subsequent excavation was proposed, but is not documented to have occurred. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Click here to access the California GeoTracker records for this facility:

Alameda County CS:
Name: DISCOUNT AUTO SALES
Address: 21153 FOOTHILL BLVD
City,State,Zip: HAYWARD, CA 94541
Status: Leak Confirmation
Record Id: RO0002667
PE: 5502
Facility Status: Leak Confirmation
Latitude: 37.686182957
Longitude: -122.09322206

Name: DISCOUNT AUTO SALES
Address: 21153 FOOTHILL BLVD

DISCOUNT AUTO SALES (Continued) **S108245948**

City,State,Zip: HAYWARD, CA 94541
Status: Remedial Action Underway
Record Id: RO0002667
PE: 5502
Facility Status: Remedial Action Underway
Latitude: 37.686182957
Longitude: -122.09322206

CERS:
Name: DISCOUNT AUTO SALES
Address: 21153 FOOTHILL
City,State,Zip: HAYWARD, CA 94541
Site ID: 198827
CERS ID: T06019752713
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: MARK DETTERMAN - ALAMEDA COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1131 HARBOR BAY PARKWAY
Affiliation City: ALAMEDA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5105676876

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CASTRO VALLEY	S110376284	CALTRANS MAINTENANCE STATION - SIT	UNKNOWN HWY238 INTERCHANGE AT	94544	Alameda County CS
CASTRO VALLEY	S110376283	CALTRANS 238 ONRAMP / GAS STATION	UNKNOWN CASTRO VALLEY BLVD	94544	Alameda County CS
CASTRO VALLEY	S110326473	CALTRANS 238 ONRAMP / GAS STATION	UNKNOWN HWY 238 INTERCHANGE AT	94544	LUST

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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 02/22/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 41

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/10/2019
Next Scheduled EDR Contact: 08/26/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2019
Next Scheduled EDR Contact: 09/09/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2019
Next Scheduled EDR Contact: 09/09/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
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: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 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 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 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

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: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

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

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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
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: 04/25/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/09/2019
Next Scheduled EDR Contact: 08/26/2019
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: 04/26/2019
Next Scheduled EDR Contact: 08/12/2019
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: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/23/2019
Next Scheduled EDR Contact: 08/12/2019
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: 02/24/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 50

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/09/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 05/08/2019
Number of Days to Update: 27

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 50

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 04/15/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
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: 04/09/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 05/08/2019
Number of Days to Update: 27

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 08/05/2019
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: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
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: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/16/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 10/24/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 40

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 08/05/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/07/2019
Date Data Arrived at EDR: 04/03/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/21/2019
Next Scheduled EDR Contact: 09/02/2019
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: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 05/13/2019
Next Scheduled EDR Contact: 08/26/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/10/2019
Next Scheduled EDR Contact: 08/19/2019
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: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
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: 05/24/2019
Next Scheduled EDR Contact: 09/02/2019
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: 04/24/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 09/16/2019
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 08/19/2019
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: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 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: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/07/2019
Next Scheduled EDR Contact: 09/16/2019
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: 06/07/2019
Next Scheduled EDR Contact: 09/16/2019
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: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
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: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/24/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
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: 11/27/2018
Date Data Arrived at EDR: 02/27/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 33

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/29/2019
Next Scheduled EDR Contact: 09/09/2019
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: 05/31/2019
Next Scheduled EDR Contact: 09/09/2019
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: 05/31/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 09/23/2019
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: 02/15/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 10

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/05/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
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: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/21/2019
Next Scheduled EDR Contact: 09/02/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/18/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/23/2019
Next Scheduled EDR Contact: 09/09/2019
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: 03/01/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Annually

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: 06/24/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/09/2019
Next Scheduled EDR Contact: 08/26/2019
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: 12/31/2017
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 50

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/21/2019
Next Scheduled EDR Contact: 09/02/2019
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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/21/2019
Next Scheduled EDR Contact: 09/02/2019
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: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 02/20/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
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: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/05/2019
Number of Days to Update: 31
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 47
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/18/2019
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 41
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 47

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/16/2019
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: 04/09/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 05/08/2019
Number of Days to Update: 27

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/11/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/08/2019
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: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 58

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/16/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/29/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/25/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 32

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/29/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/20/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/12/2019
Number of Days to Update: 28

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 54

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/17/2019
Next Scheduled EDR Contact: 07/29/2019
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 54

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 54

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/08/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 02/20/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 13

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 05/08/2019
Number of Days to Update: 50

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 34

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/23/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
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: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/13/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2019
Next Scheduled EDR Contact: 08/19/2019
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: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/12/2019
Number of Days to Update: 42

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 02/05/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 02/06/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 79

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 08/19/2019
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: 02/27/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
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: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/02/2019
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/16/2019
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: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
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: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
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: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
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: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
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: 03/04/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 47

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
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: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
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: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
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: 05/16/2019
Next Scheduled EDR Contact: 09/02/2019
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: 03/05/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/29/2019
Number of Days to Update: 53

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/05/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 03/18/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 02/28/2019
Date Data Arrived at EDR: 03/01/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 33

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/16/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
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: 05/02/2019
Next Scheduled EDR Contact: 08/05/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/23/2019
Next Scheduled EDR Contact: 08/05/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/09/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/23/2019
Next Scheduled EDR Contact: 08/05/2019
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: 02/26/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/03/2019
Number of Days to Update: 21
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 03/29/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 76
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/25/2019
Next Scheduled EDR Contact: 08/12/2019
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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/01/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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: 05/17/2019
Next Scheduled EDR Contact: 09/02/2019
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: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
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
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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

408788
22422 ROCKAWAY LANE
CASTRO VALLEY, CA 94546

TARGET PROPERTY COORDINATES

Latitude (North):	37.679313 - 37° 40' 45.53''
Longitude (West):	122.077037 - 122° 4' 37.33''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	581388.2
UTM Y (Meters):	4170431.0
Elevation:	91 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640616 HAYWARD, 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).

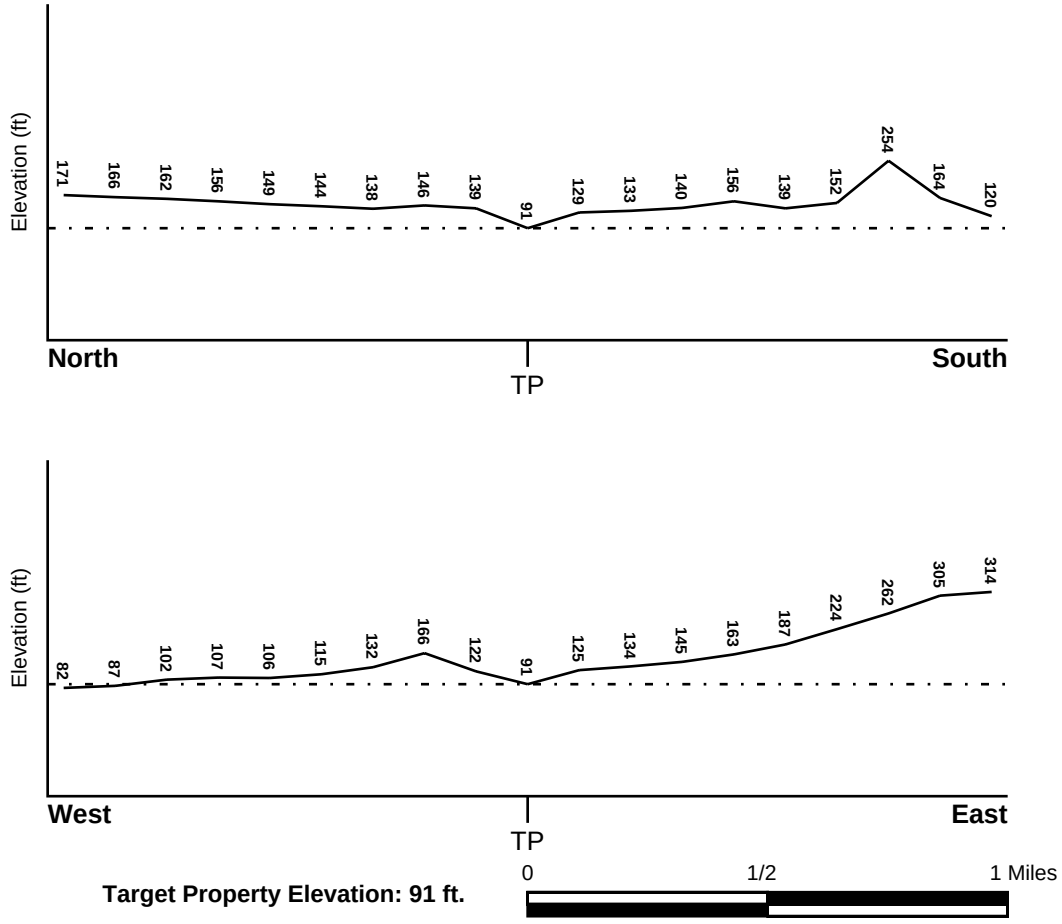
TOPOGRAPHIC INFORMATION

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 ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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
06001C0287G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06013C0560F	FEMA FIRM Flood data
06001C0279G	FEMA FIRM Flood data
06001C0286G	FEMA FIRM Flood data
06001C0291G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HAYWARD	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
1	0 - 1/8 Mile SSW	NW
2	1/4 - 1/2 Mile NNE	NW
3	1/4 - 1/2 Mile NE	NW
4	1/4 - 1/2 Mile SSW	W
A6	1/2 - 1 Mile SSW	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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
7	1/2 - 1 Mile SW	W
B8	1/2 - 1 Mile WNW	SW
A9	1/2 - 1 Mile SSW	SW
B10	1/2 - 1 Mile WNW	SW
11	1/2 - 1 Mile WSW	SW, W, Varie
C12	1/2 - 1 Mile SW	S
C13	1/2 - 1 Mile SSW	W
C14	1/2 - 1 Mile SSW	W
16	1/2 - 1 Mile SSW	W
D18	1/2 - 1 Mile WNW	SW
D19	1/2 - 1 Mile WNW	SW
20	1/2 - 1 Mile SSW	S,SW,Varies
E21	1/2 - 1 Mile North	Varies
E22	1/2 - 1 Mile North	Varies
1G	1/2 - 1 Mile North	Varies
2G	1/2 - 1 Mile North	Varies
3G	1/4 - 1/2 Mile NE	NW
4G	1/2 - 1 Mile WNW	SW
5G	1/2 - 1 Mile WNW	SW
6G	1/4 - 1/2 Mile NNE	NW
7G	1/2 - 1 Mile WNW	SW
8G	1/2 - 1 Mile WNW	SW
9G	0 - 1/8 Mile SSW	NW
10G	1/2 - 1 Mile WSW	SW, W, Varie
11G	1/2 - 1 Mile SW	W
12G	1/4 - 1/2 Mile SSW	W
14G	1/2 - 1 Mile SSW	Not Reported
15G	1/2 - 1 Mile SW	S
16G	1/2 - 1 Mile SSW	SW
17G	1/2 - 1 Mile SSW	W
18G	1/2 - 1 Mile SSW	W
20G	1/2 - 1 Mile SSW	W
21G	1/2 - 1 Mile SSW	S,SW,Varies

For additional site information, refer to Physical Setting Source Map Findings.

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

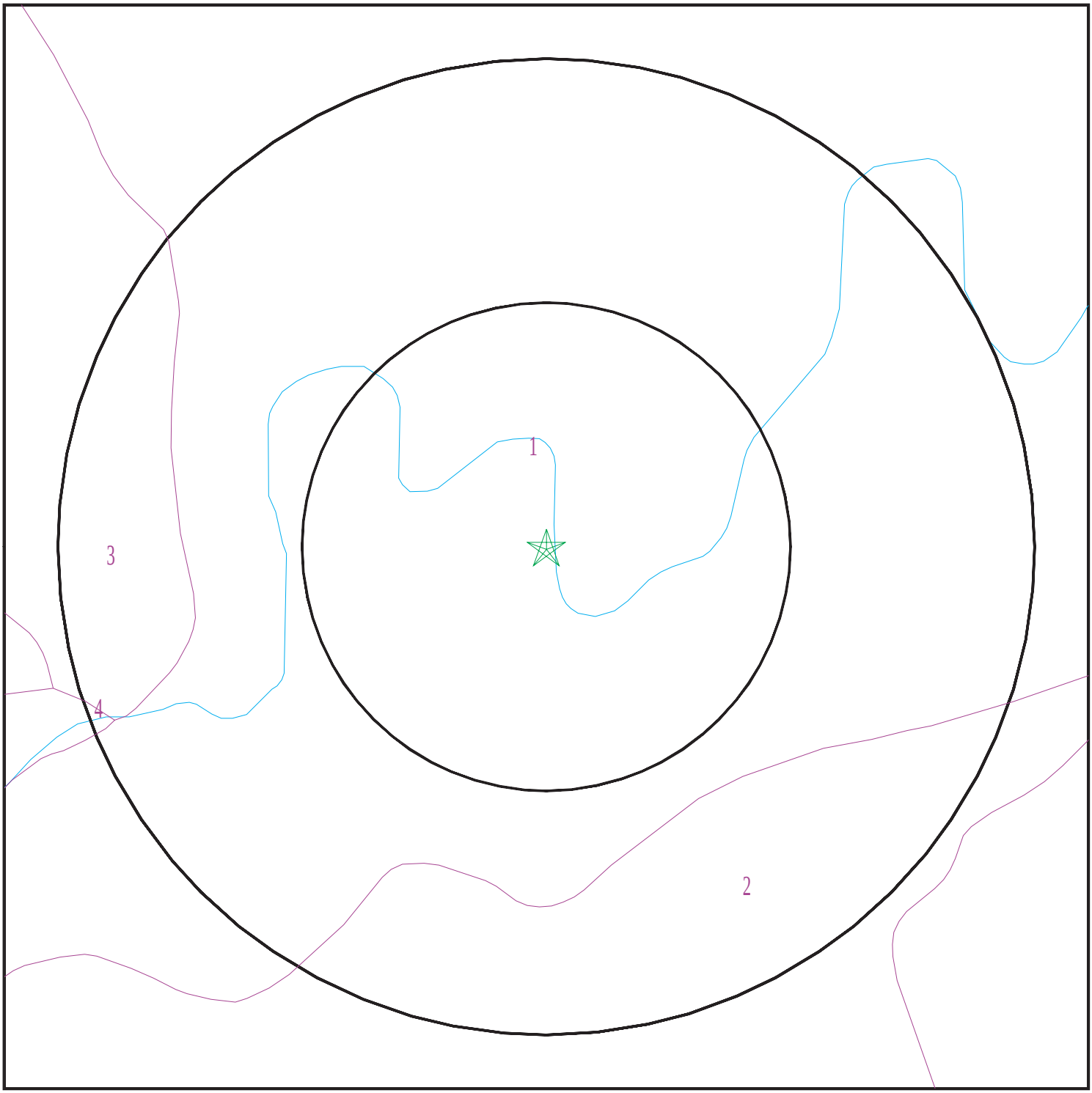
Era:	Paleozoic
System:	Permian
Series:	Ultramafic rocks
Code:	uM *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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 - 5721612.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	408788	CLIENT:	AEI Consultants
ADDRESS:	22422 Rockaway Lane Castro Valley CA 94546	CONTACT:	Tony Chilese
		INQUIRY #:	5721612.2s
LAT/LONG:	37.679313 / 122.077037	DATE:	July 19, 2019 1:13 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: Botella

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	9 inches	33 inches	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: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	33 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine 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	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	20 inches	53 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: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	53 inches	79 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Xerorthents

Soil Surface Texture: clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	24 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: 6.1

Soil Map ID: 4

Soil Component Name: Yolo

Soil Surface Texture: silt 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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 6.1

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		
2	7 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
15	CA0103039	1/2 - 1 Mile SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 5721612.2s

- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	408788	CLIENT:	AEI Consultants
ADDRESS:	22422 Rockaway Lane Castro Valley CA 94546	CONTACT:	Tony Chilese
LAT/LONG:	37.679313 / 122.077037	INQUIRY #:	5721612.2s
		DATE:	July 19, 2019 1:12 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **SSW** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1873 NW 6 8 Not Reported 07/14/1997	**AQUIFLOW**	**50027**
2 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 4.0 8.0 Not Reported 10/01/1986	**AQUIFLOW**	**53606**
3 **NE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 16.0 19.0 Not Reported 02/27/1997	**AQUIFLOW**	**53607**
4 **SSW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2027 W Not Reported Not Reported 75 01/1996	**AQUIFLOW**	**55716**
5 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1883 Not Reported 6.05 7.31 Not Reported 05/20/1997	**AQUIFLOW**	**55714**
A6 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1344 Not Reported 3.5 4.5 Not Reported 03/27/1996	**AQUIFLOW**	**55688**
7 **SW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1616 W Not Reported Not Reported Not Reported 03/02/1995	**AQUIFLOW**	**49925**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
B8 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0750 SW Not Reported Not Reported 20 07/09/1993	**AQUIFLOW**	**55667**
A9 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0292 SW 5.5 10 Not Reported 05/11/1996	**AQUIFLOW**	**55682**
B10 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 14 04/17/1992	**AQUIFLOW**	**55669**
11 **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1886 SW, W, Varie 42.18 42.56 Not Reported 11/12/1998	**AQUIFLOW**	**55663**
C12 **SW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0951 S 61 68 Not Reported 02/01/1995	**AQUIFLOW**	**55720**
C13 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 45 09/30/1988	**AQUIFLOW**	**55627**
C14 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0758 W Not Reported Not Reported 50 09/30/1988	**AQUIFLOW**	**55629**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

15
SSW
1/2 - 1 Mile
Higher | **FRDS PWS** | **CA0103039**

Epa region:	09	State:	CA
Pwsid:	CA0103039	Pwsname:	MOHRLAND MUTUAL WATER SYSTEM
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06001
Status:	Closed	Retpopsrvd:	116
Pwssvcconn:	99	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	Matthew Pratt	Contactorgname:	MOHRLAND MUTUAL WATER SYSTEM
Contactphone:	5104721230	Contactaddress1:	PO BOX 56
Contactaddress2:	Not Reported	Contactcity:	Mt Eden
Contactstate:	CA	Contactzip:	94557
Pwsactivitycode:	N		

PWS ID:	CA0103039	PWS name:	MOHRLAND MUTUAL WATER SYSTEM
Address:	Not Reported	Care of:	Not Reported
City:	HAYWARD	State:	CA
Zip:	94545	Owner:	MOHRLAND MUTUAL WATER SYSTEM
Source code:	Ground water	Population:	605

PWS ID:	CA0103039	PWS type:	System Owner/Responsible Party
PWS name:	MOHRLAND MUTUAL WATER	PWS address:	Not Reported
PWS city:	HAYWARD	PWS state:	CA
PWS zip:	94541	PWS name:	MOHRLAND MUTUAL WATER SYSTEM
PWS type code:	C	Retail population served:	116
Contact:	Matthew Pratt	Contact address:	PO BOX 56
Contact address:	Mt Eden	Contact city:	CA
Contact state:	94	Contact zip:	5104721230
Contact telephone:	Not Reported		

PWS ID:	CA0103039	Activity status:	Active
Date system activated:	9307	Date system deactivated:	Not Reported
Retail population:	00000200	System name:	MOHRLAND MUTUAL WATER SYSTEM
System address:	MOHRLAND MUTUAL WATER	System address:	25256 MONTE VISTA DR
System city:	MT. EDEN	System state:	CA
System zip:	94557		

Population served:	101 - 500 Persons	Treatment:	Not Reported

Latitude:	374008	Longitude:	1220446

Violation id:	95V0001	Orig code:	F
State:	CA	Violation Year:	1993
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	07/01/1993
Cmp edt:	03/01/2000		

System Name:	MOHRLAND MUTUAL WATER SYST		
Violation Type:	51	Contaminant:	5000
Compliance Begin:	1993-07-01	Compliance End:	2000-03-01
Violation ID:	95V0001	Enforcement Date:	2000-03-01
Enforcement Action:	EOX		

System Name:	MOHRLAND MUTUAL WATER SYSTEM		
Violation Type:	51	Contaminant:	5000
Compliance Begin:	7/1/1993 0:00:00	Compliance End:	3/1/2000 0:00:00
Violation ID:	95V0001	Enforcement Date:	3/1/2000 0:00:00
Enforcement Action:	EOX		

System Name:	MOHRLAND MUTUAL WATER SYSTEM		
Violation Type:	51	Contaminant:	5000
Compliance Begin:	07/01/93	Compliance End:	03/01/00
Violation ID:	95V0001	Enforcement Date:	03/01/00
Enforcement Action:	EOX		

System Name:	MOHRLAND MUTUAL WATER SYST		
Violation Type:	51	Contaminant:	5000
Compliance Begin:	1993-07-01	Compliance End:	2015-12-31
Violation ID:	95V0001	Enforcement Date:	Not Reported
Enforcement Action:	Not Reported		

Violation ID:	95V0001	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Resolving

PWS name:	MOHRLAND MUTUAL WATER SYSTEM		
Population served:	116	PWS type code:	C
Violation ID:	95V0001	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Compliance start date:	7/1/1993 0:00:00	Compliance end date:	3/1/2000 0:00:00
Enforcement date:	3/1/2000 0:00:00	Enforcement action:	Fed Compliance Achieved
Violation measurement:	0		

16
SSW
1/2 - 1 Mile
Higher

Site ID:	01-1429
Groundwater Flow:	W
Shallow Water Depth:	70
Deep Water Depth:	80
Average Water Depth:	Not Reported
Date:	02/18/1988

AQUIFLOW **49918**

17
SSW
1/2 - 1 Mile
Higher

Site ID:	01-1859
Groundwater Flow:	Not Reported
Shallow Water Depth:	60
Deep Water Depth:	70
Average Water Depth:	Not Reported
Date:	06/1994

AQUIFLOW **55613**

D18
WNW
1/2 - 1 Mile
Higher

Site ID:	01-1880
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	15
Date:	04/06/1995

AQUIFLOW **55647**

D19
WNW
1/2 - 1 Mile
Higher

Site ID:	01-0216
Groundwater Flow:	SW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	24
Date:	09/26/1996

AQUIFLOW **55643**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
20 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1878 S,SW,Varies Not Reported Not Reported 60 02/26/1997	**AQUIFLOW**	**50073**
E21 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 0.46 5.32 Not Reported 02/23/1995	**AQUIFLOW**	**50316**
E22 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 5.5 6.0 Not Reported 12/16/1992	**AQUIFLOW**	**50317**
1G **North** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 0.46 5.32 Not Reported 02/23/1995	**AQUIFLOW**	**50316**
2G **North** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0099 Varies 5.5 6.0 Not Reported 12/16/1992	**AQUIFLOW**	**50317**
3G **NE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 16.0 19.0 Not Reported 02/27/1997	**AQUIFLOW**	**53607**
4G **WNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0216 SW Not Reported Not Reported 24 09/26/1996	**AQUIFLOW**	**55643**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
5G **WNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1880 SW Not Reported Not Reported 15 04/06/1995	**AQUIFLOW**	**55647**
6G **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0346 NW 4.0 8.0 Not Reported 10/01/1986	**AQUIFLOW**	**53606**
7G **WNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 14 04/17/1992	**AQUIFLOW**	**55669**
8G **WNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0750 SW Not Reported Not Reported 20 07/09/1993	**AQUIFLOW**	**55667**
9G **SSW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1873 NW 6 8 Not Reported 07/14/1997	**AQUIFLOW**	**50027**
10G **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1886 SW, W, Varie 42.18 42.56 Not Reported 11/12/1998	**AQUIFLOW**	**55663**
11G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1616 W Not Reported Not Reported Not Reported 03/02/1995	**AQUIFLOW**	**49925**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
12G **SSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2027 W Not Reported Not Reported 75 01/1996	**AQUIFLOW**	**55716**
13G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1883 Not Reported 6.05 7.31 Not Reported 05/20/1997	**AQUIFLOW**	**55714**
14G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1344 Not Reported 3.5 4.5 Not Reported 03/27/1996	**AQUIFLOW**	**55688**
15G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0951 S 61 68 Not Reported 02/01/1995	**AQUIFLOW**	**55720**
16G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0292 SW 5.5 10 Not Reported 05/11/1996	**AQUIFLOW**	**55682**
17G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 45 09/30/1988	**AQUIFLOW**	**55627**
18G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0758 W Not Reported Not Reported 50 09/30/1988	**AQUIFLOW**	**55629**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
19G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1859 Not Reported 60 70 Not Reported 06/1994	**AQUIFLOW**	**55613**
20G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1429 W 70 80 Not Reported 02/18/1988	**AQUIFLOW**	**49918**
21G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1878 S,SW,Varies Not Reported Not Reported 60 02/26/1997	**AQUIFLOW**	**50073**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94546	29	1

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94546

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.667 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

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.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORICAL SOURCES

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIAL REPORT

for the site:
384609
22400 Rockaway Lane
Hayward, CA
PO #:

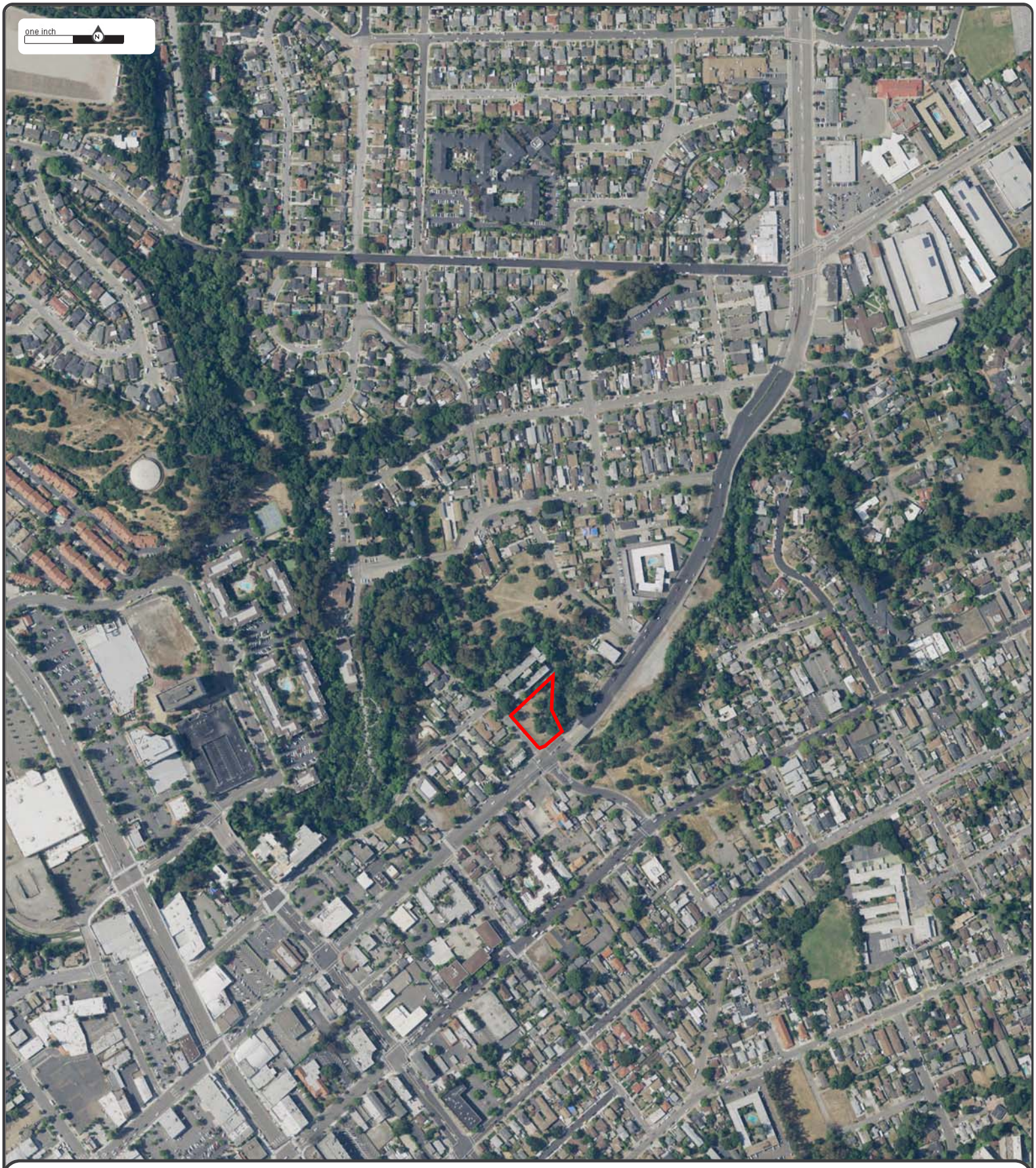
Report ID: 20180226209
Completed: 2/27/2018

ERIS Information Inc.
Environmental Risk Information Services (ERIS)
A division of Glacier Media Inc.
T: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

Search Results Summary

Date	Source	Scale	Comment
2016	**NAIP** - National Agriculture Information Program	1"=500'	
2014	**NAIP** - National Agriculture Information Program	1"=500'	
2012	**NAIP** - National Agriculture Information Program	1"=500'	
2010	**NAIP** - National Agriculture Information Program	1"=500'	
2009	**NAIP** - National Agriculture Information Program	1"=500'	
2005	**NAIP** - National Agriculture Information Program	1"=500'	
1993	**USGS** - US Geological Survey	1"=500'	
1987	**NAPP** - National Aerial Photography Program	1"=500'	*BEST COPY AVAILABLE*
1980	**USGS** - US Geological Survey	1"=500'	
1974	**USGS** - US Geological Survey	1"=500'	*BEST COPY AVAILABLE*
1968	**USGS** - US Geological Survey	1"=500'	
1960	**USAF** - United States Air Force	1"=500'	
1958	**USGS** - US Geological Survey	1"=500'	
1954	**AMS** - Army Mapping Service	1"=500'	*BEST COPY AVAILABLE*
1946	**ASCS** - Agriculture and Soil Conservation Service	1"=500'	
1939	**FAIRCHILD** - Private Company	1"=500'	*BEST COPY AVAILABLE*



Date: **2016**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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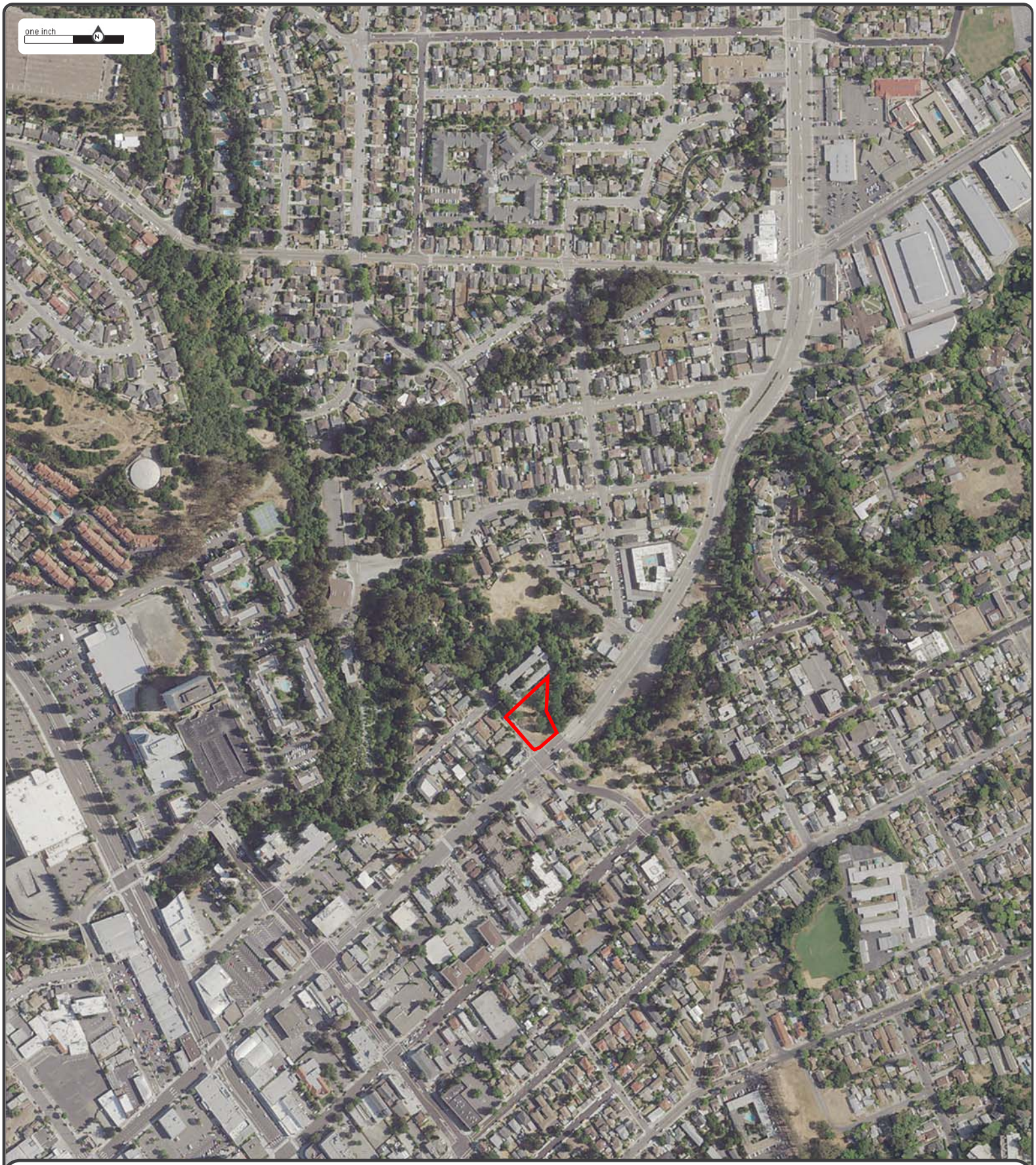

Date: **2014**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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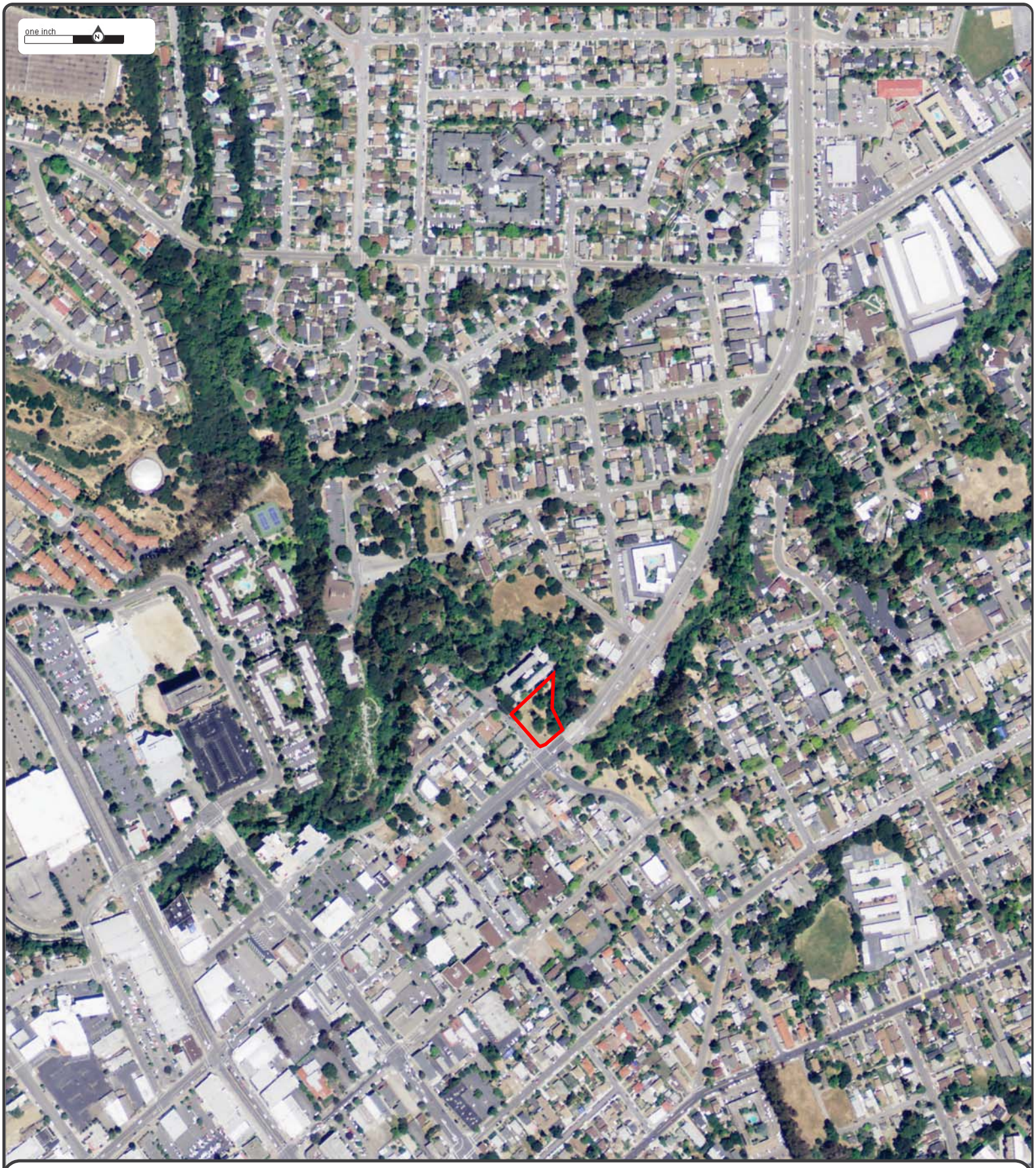

Date: **2012**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

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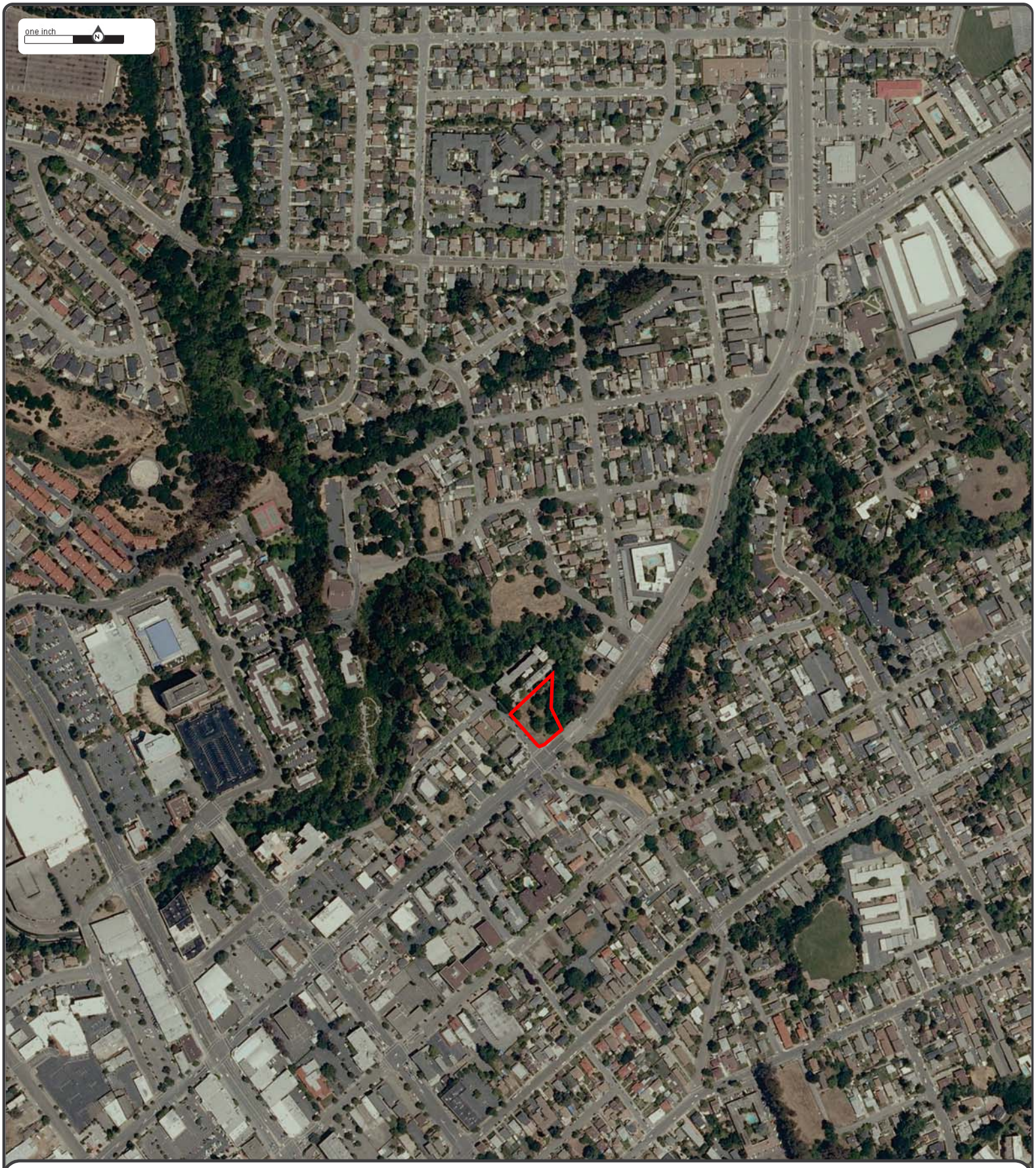

Date: **2010**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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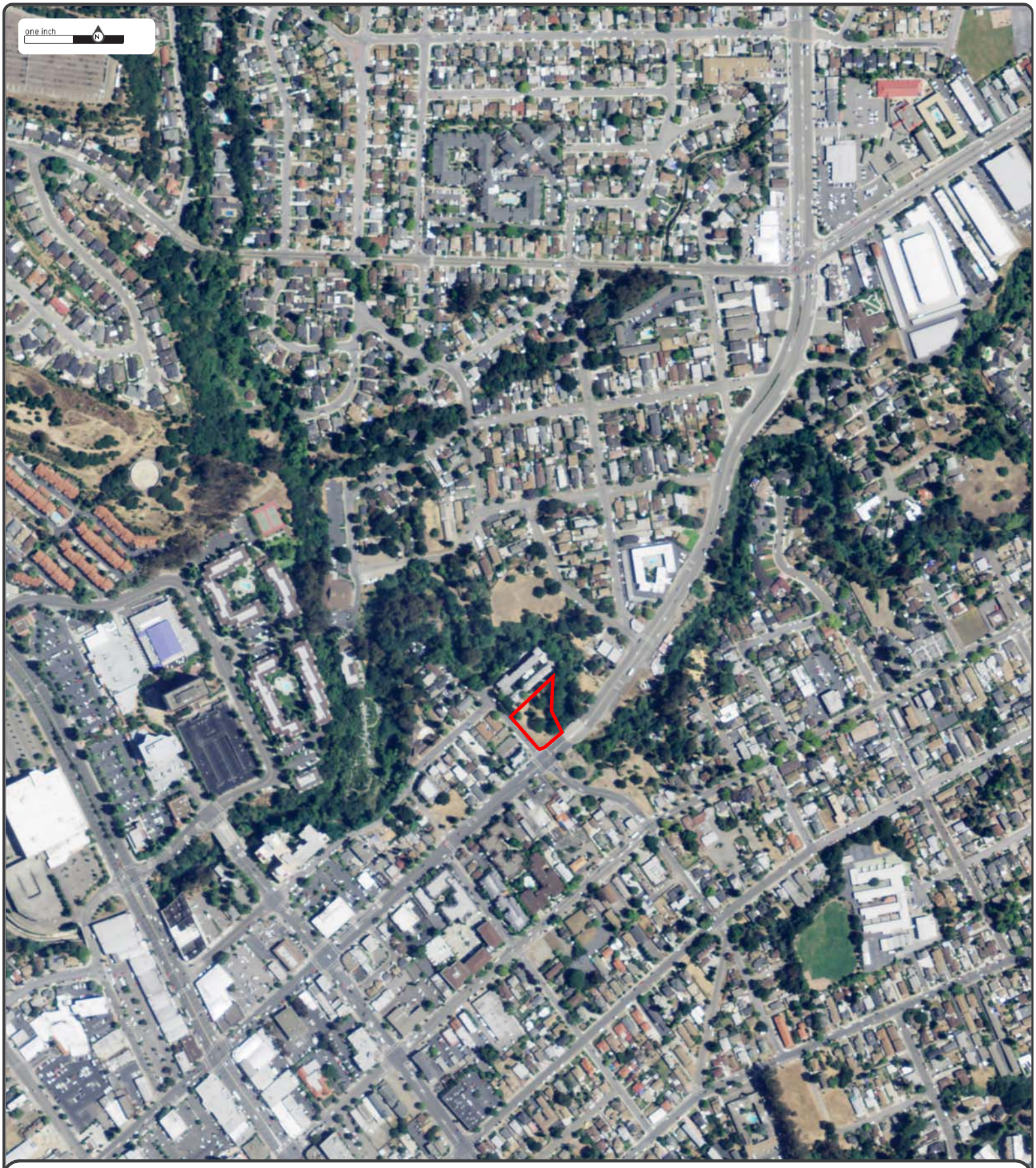

Date: **2009**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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Date: **2005**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

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ENVIRONMENTAL RISK INFORMATION SERVICES

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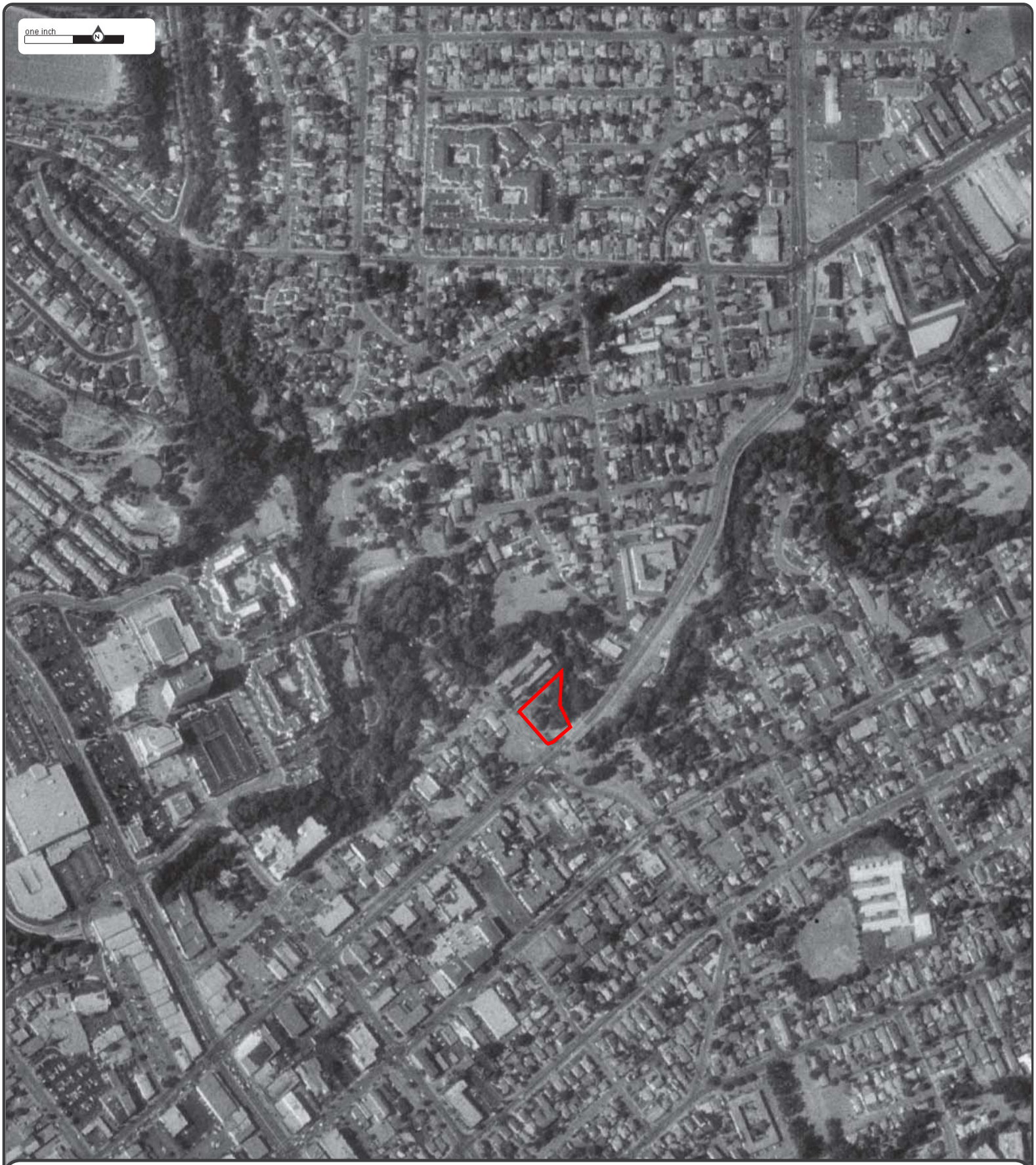

Date: **1993**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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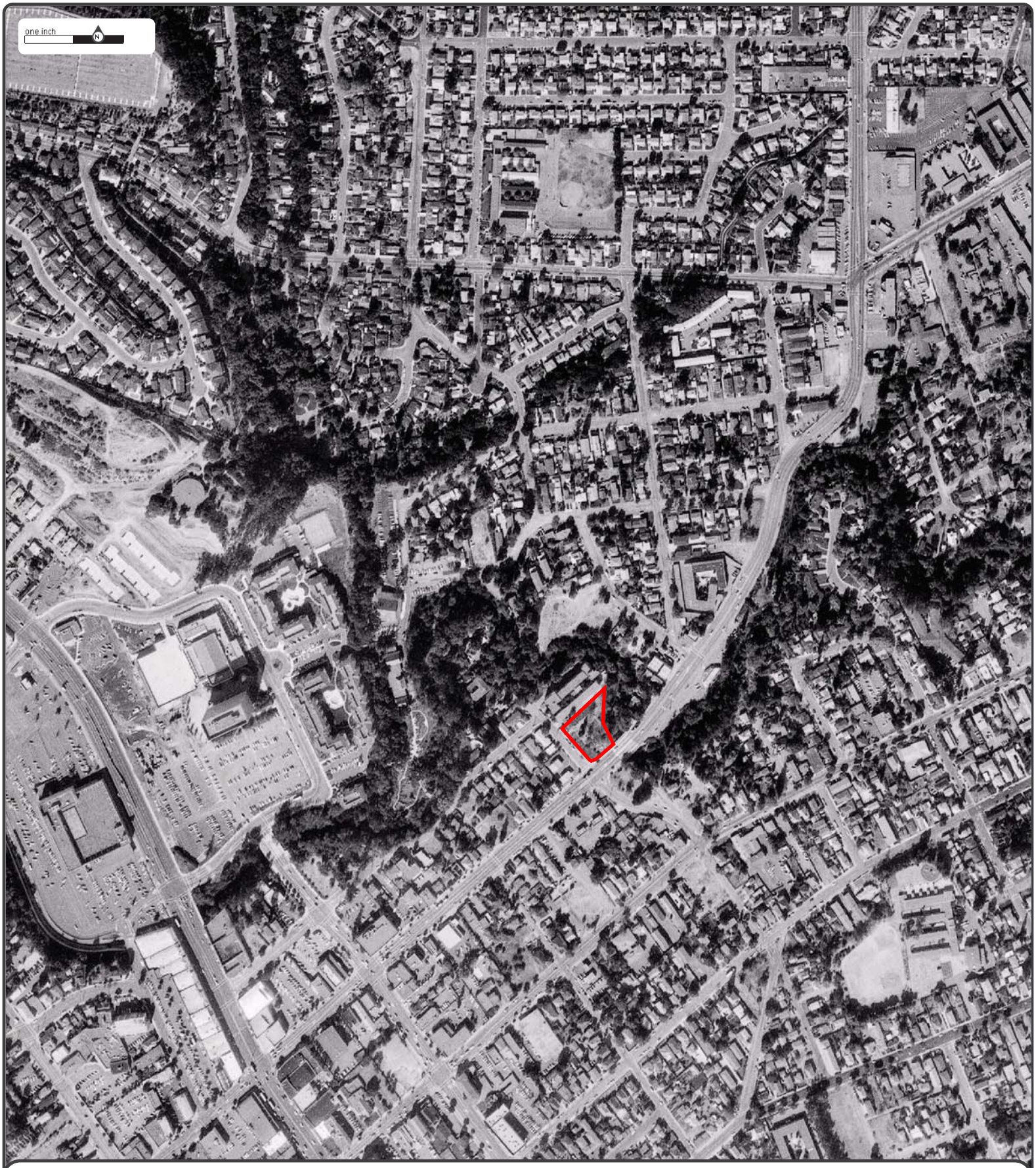
Date: **1987**
Source: **NAPP**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Date: **1980**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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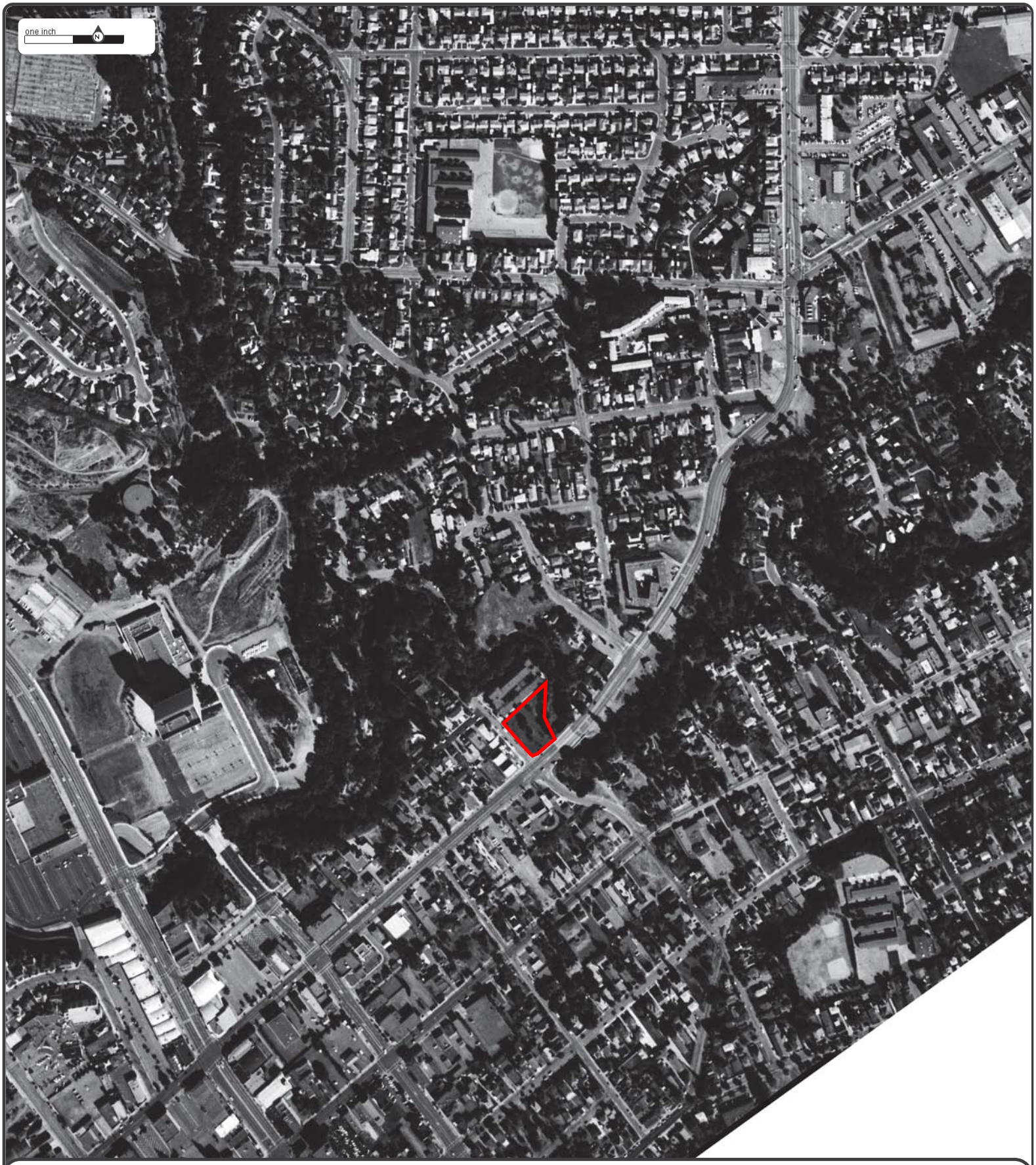


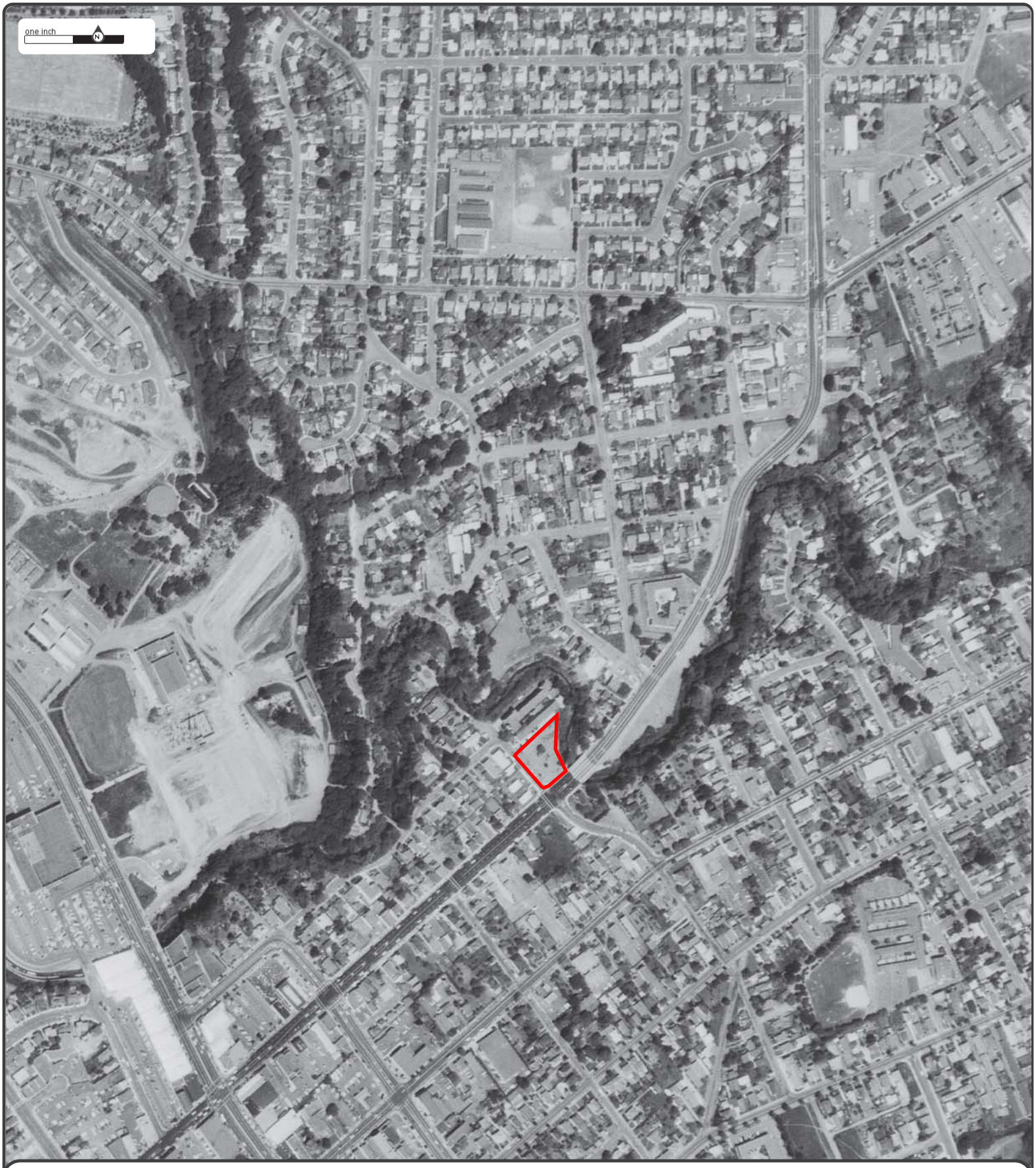
Date: **1974**
Source: **USGS**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

N

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Date: **1968**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204

Date: **1960**
Source: **USAF**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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Date: **1958**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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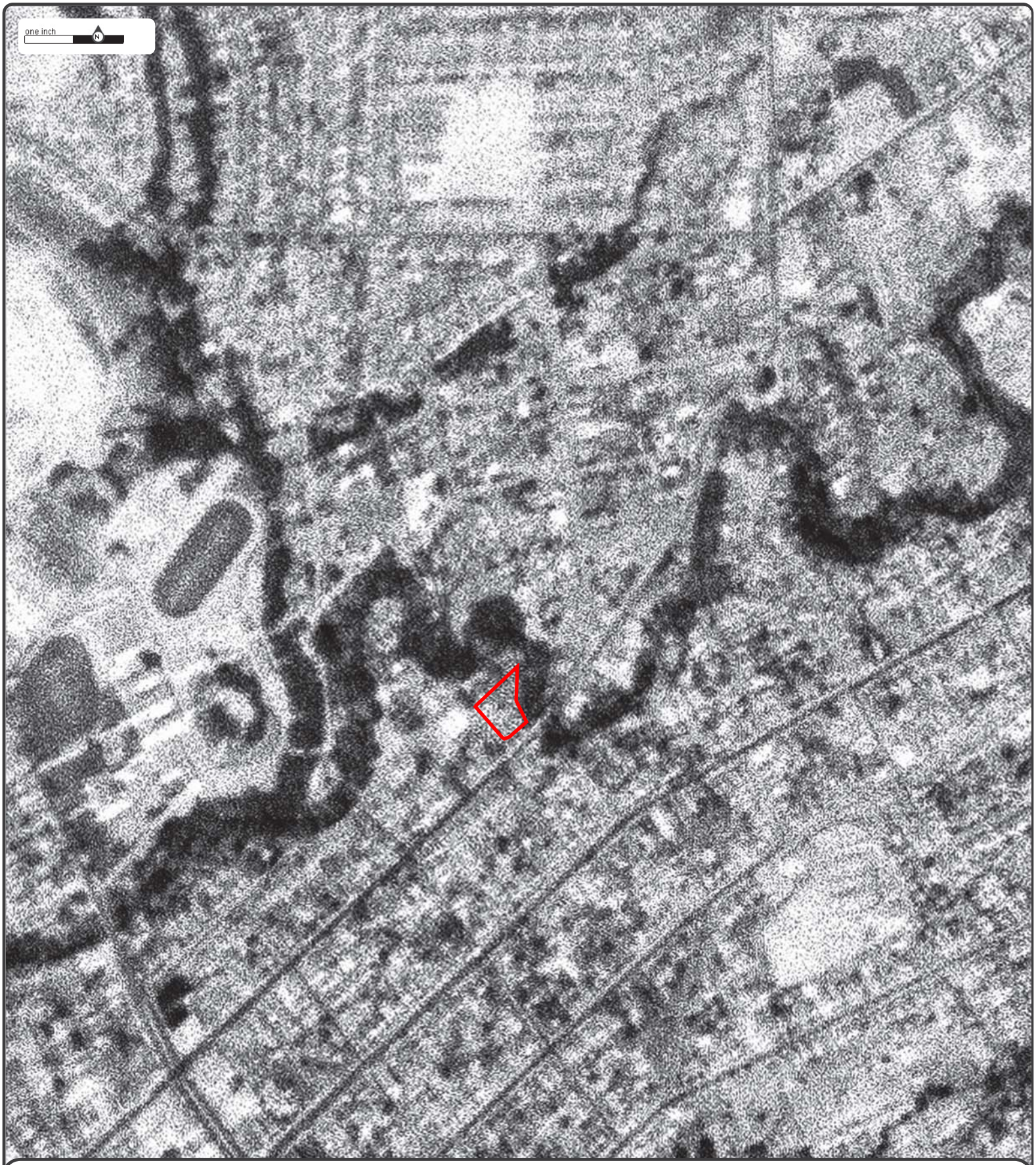

Date: **1954**
Source: **AMS**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

ENVIRONMENTAL RISK INFORMATION SERVICES

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Date: **1946**
Source: **ASCS**
Scale: **1" to 500'**
Comments:

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

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one inch

Date: **1939**
Source: **FAIRCHILD**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Subject: 22400 Rockaway Lane Hayward CA
Approx Center: 37.67960 / -122.0776

N

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408788

22422 Rockaway Lane

Castro Valley, CA 94546

Inquiry Number: 5721612.3

July 19, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/19/19

Site Name:

408788
22422 Rockaway Lane
Castro Valley, CA 94546
EDR Inquiry # 5721612.3

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Tony Chilese

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Certification # 149A-49E0-8C0A

PO # 200384

Project 408788

Maps Provided:

1966
1957
1956
1953
1950
1948
1923
1907
1903
1896
1893

Sanborn® Library search results

Certification #: 149A-49E0-8C0A

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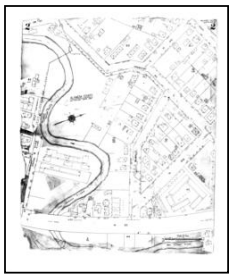
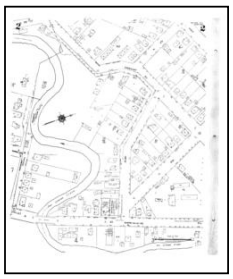
1966 Source Sheets


Volume 1, Sheet 2
1966


Volume 1, Sheet 4
1966


Volume 1, Sheet 7
1966

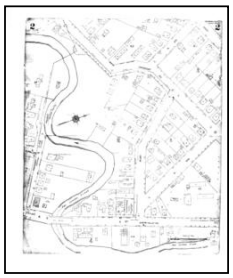
1957 Source Sheets


Volume 1, Sheet 2
1957


Volume 1, Sheet 4
1957


Volume 1, Sheet 7
1957

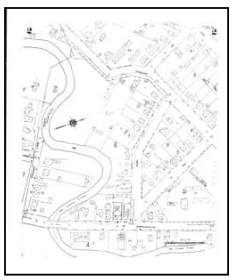
1956 Source Sheets


Volume 1, Sheet 2
1956


Volume 1, Sheet 4
1956


Volume 1, Sheet 7
1956

1953 Source Sheets


Volume 1, Sheet 2
1953


Volume 1, Sheet 4
1953


Volume 1, Sheet 7
1953

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

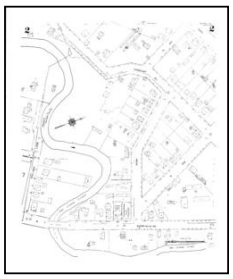
1950 Source Sheets


Volume 1, Sheet 2
1950


Volume 1, Sheet 4
1950


Volume 1, Sheet 7
1950

1948 Source Sheets


Volume 1, Sheet 2
1948

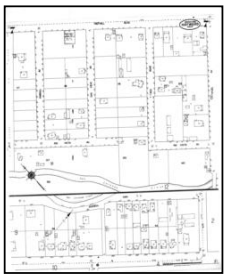

Volume 1, Sheet 4
1948


Volume 1, Sheet 7
1948

1923 Source Sheets


Volume 1, Sheet 4
1923


Volume 1, Sheet 2
1923


Volume 1, Sheet 7
1923

1907 Source Sheets


Volume 1, Sheet 2
1907


Volume 1, Sheet 3
1907

Sanborn Sheet Key

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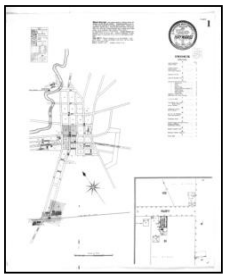
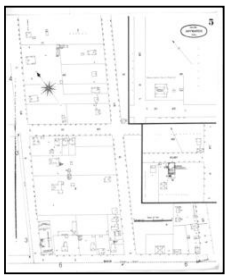


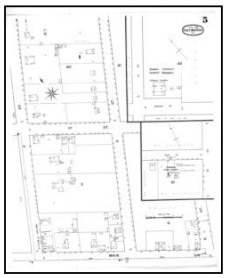
Volume 1, Sheet Keymap/Sheet1
1903

1896 Source Sheets

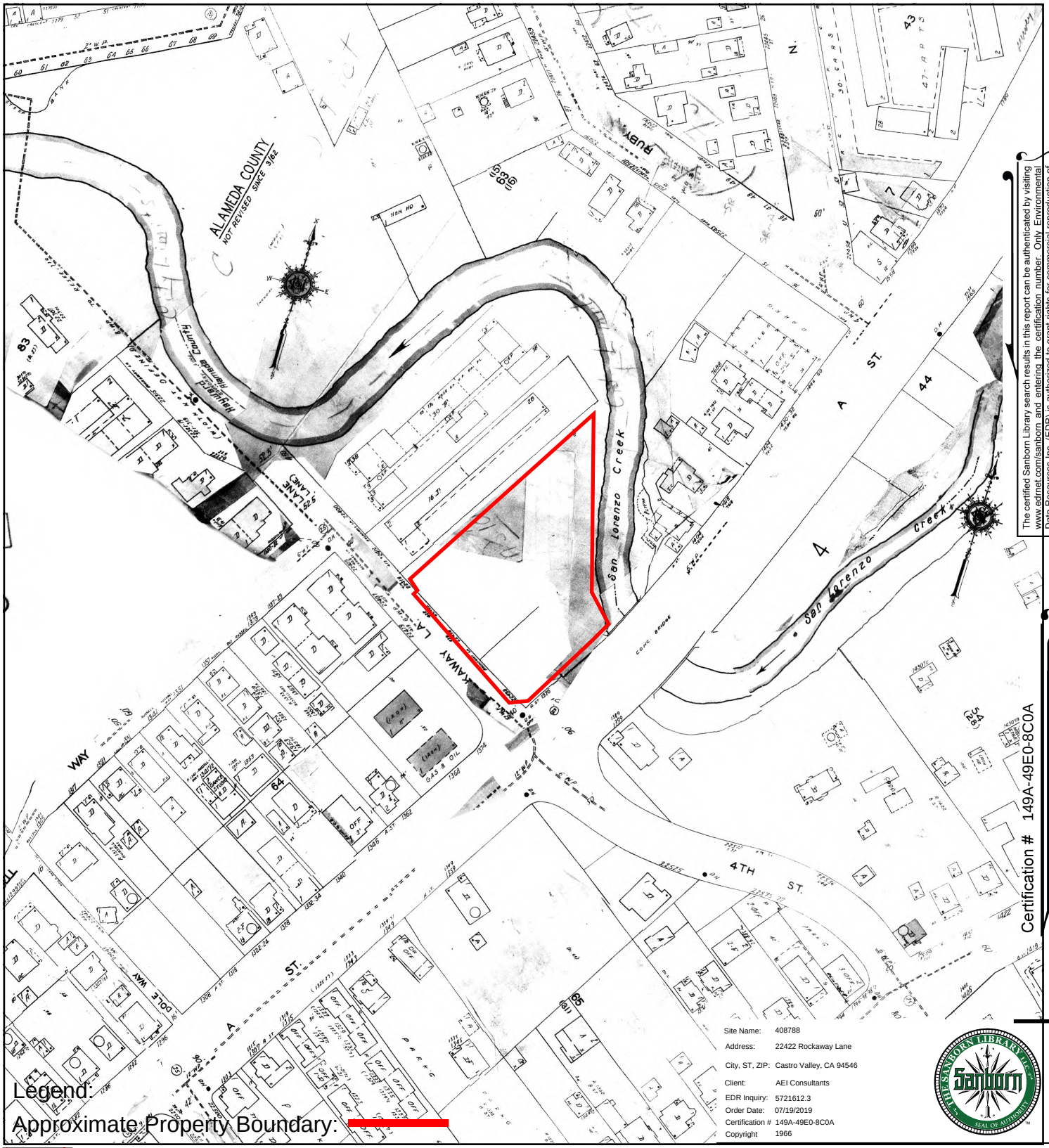


Volume 1, Sheet 5
1896

1893 Source Sheets



Volume 1, Sheet 5
1893



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Volume 1, Sheet 7
Volume 1, Sheet 4
Volume 1, Sheet 2

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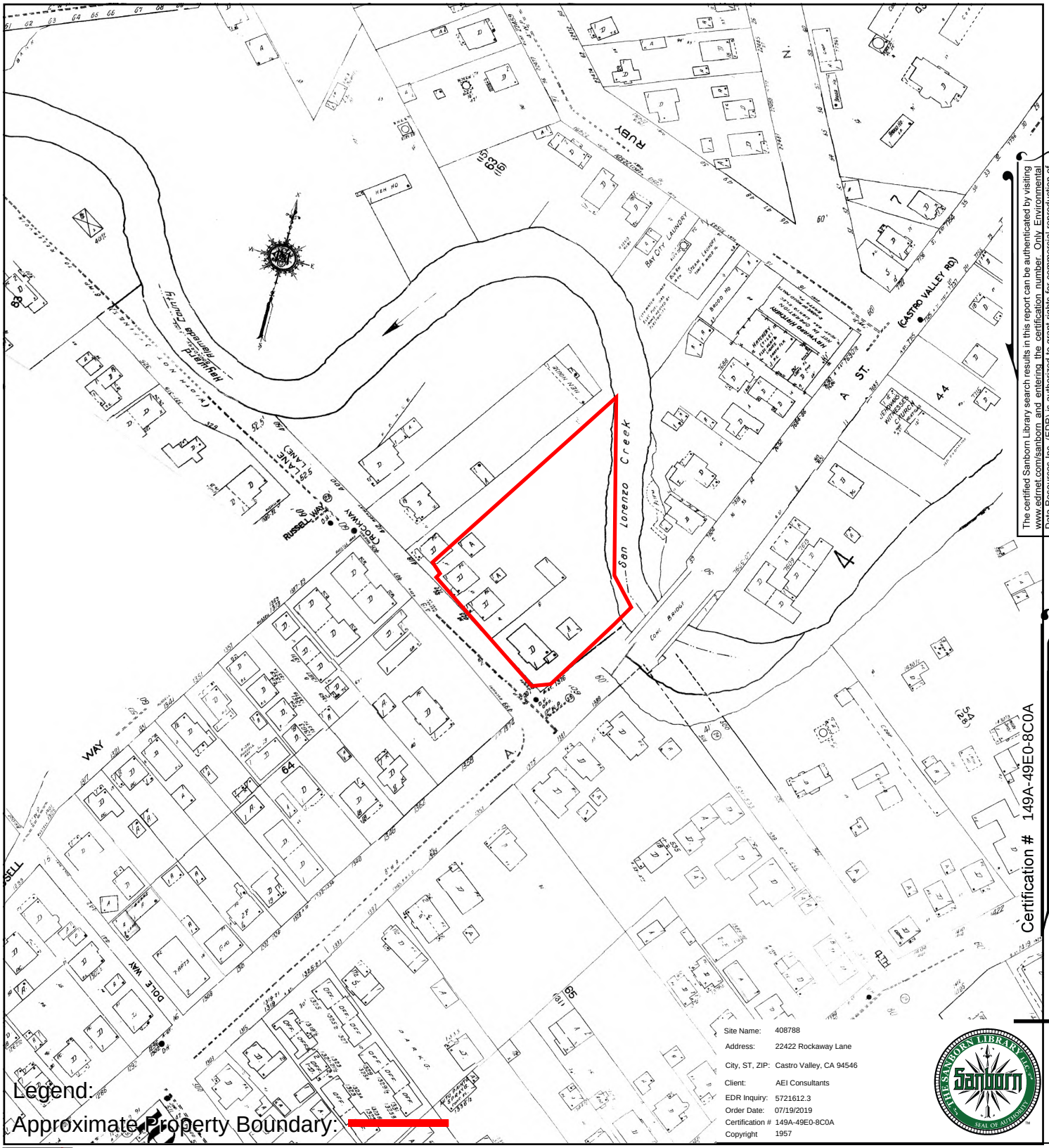
N

SANBORN MAP - 1966

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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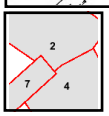


Volume 1, Sheet 7
Volume 1, Sheet 4
Volume 1, Sheet 2

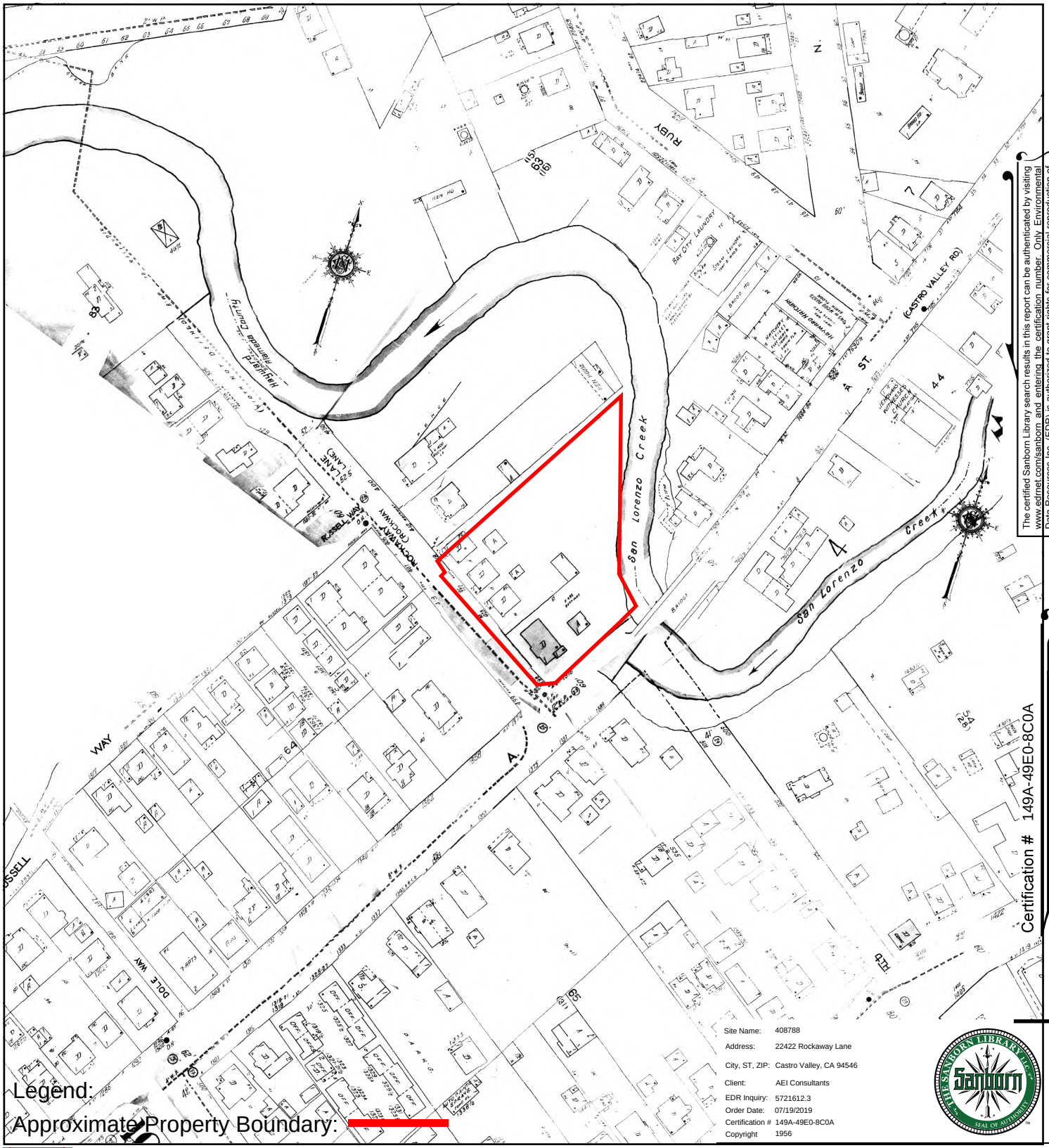
0 Feet 150 300 600

SANBORN MAP - 1957

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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Volume 1, Sheet 7
Volume 1, Sheet 4
Volume 1, Sheet 2

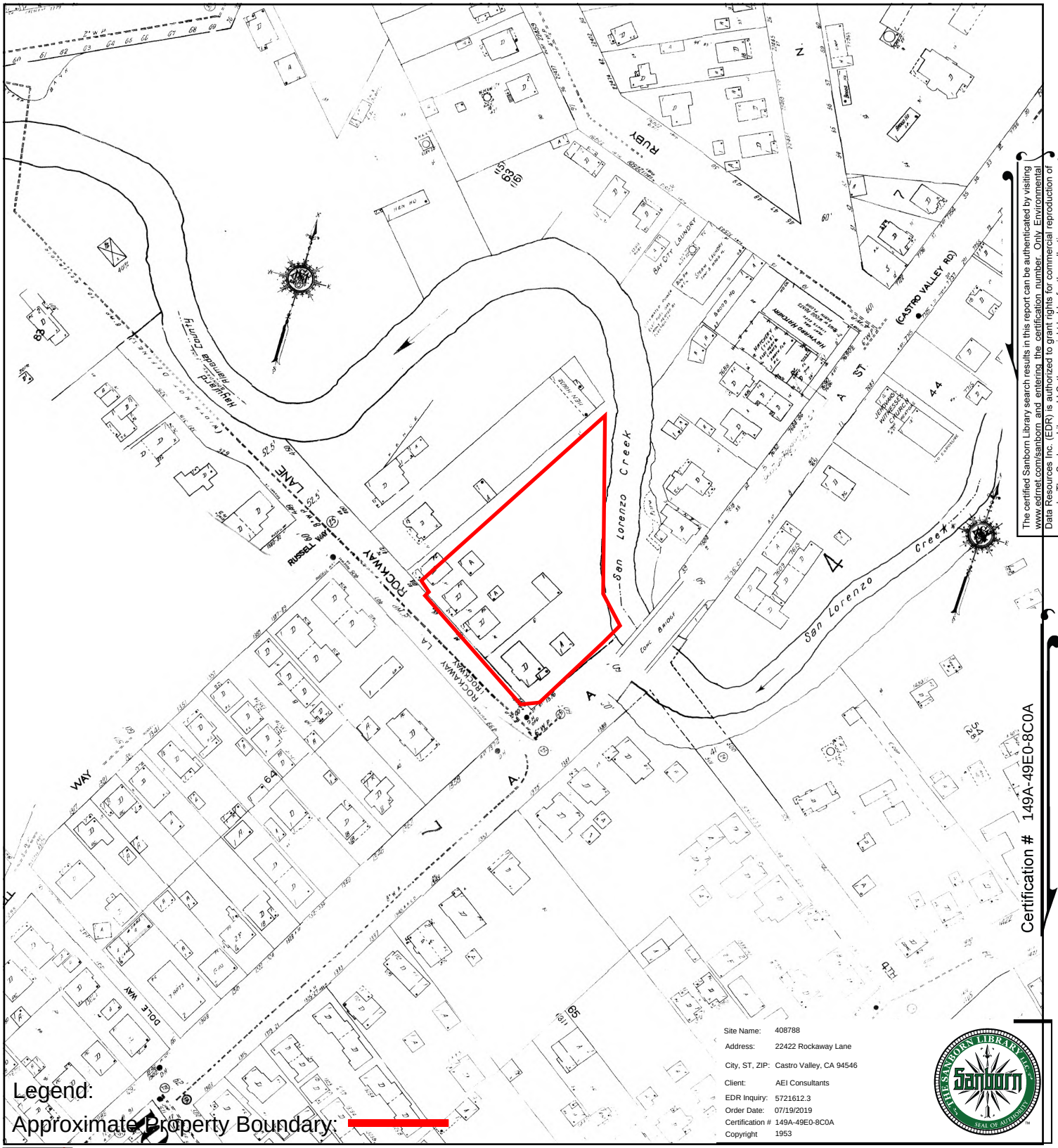
0 Feet 150 300 600

SANBORN MAP - 1956

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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Volume 1, Sheet 7
Volume 1, Sheet 4
Volume 1, Sheet 2

0 Feet 150 300 600

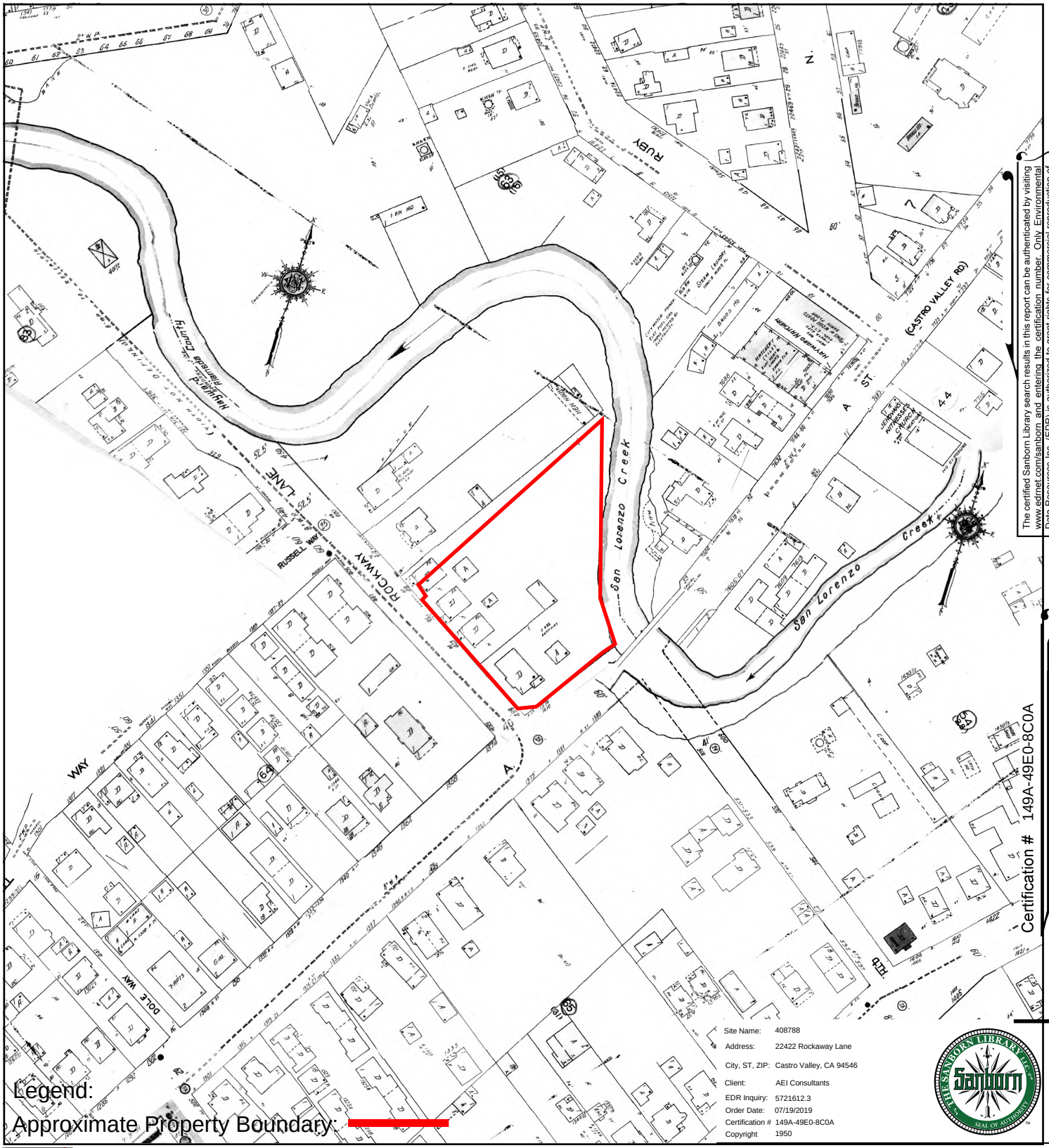
N

SANBORN MAP - 1953

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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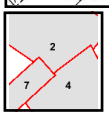


Volume 1, Sheet 7
Volume 1, Sheet 4
Volume 1, Sheet 2

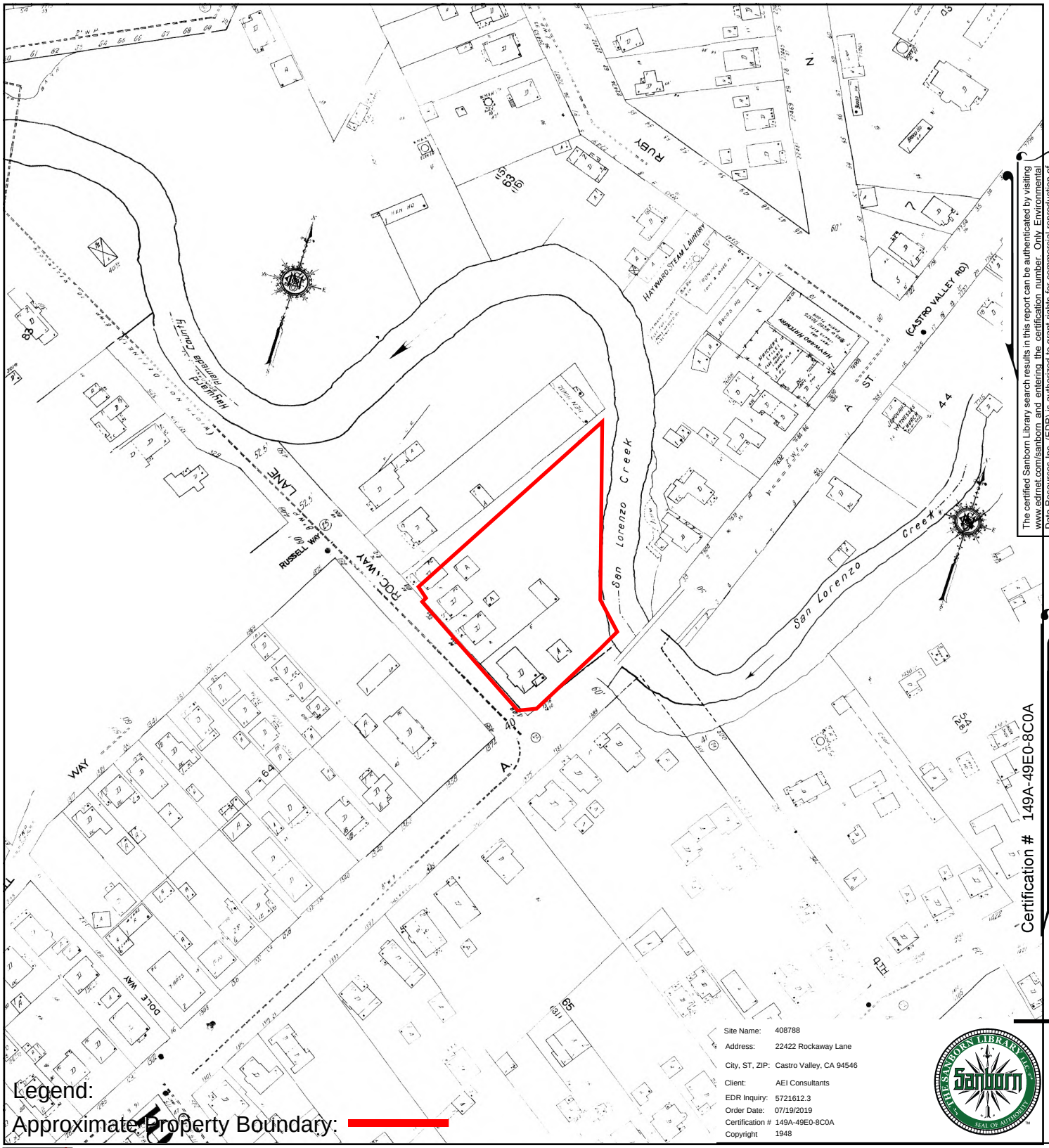
0 Feet 150 300 600

SANBORN MAP - 1950

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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SANBORN MAP - 1948

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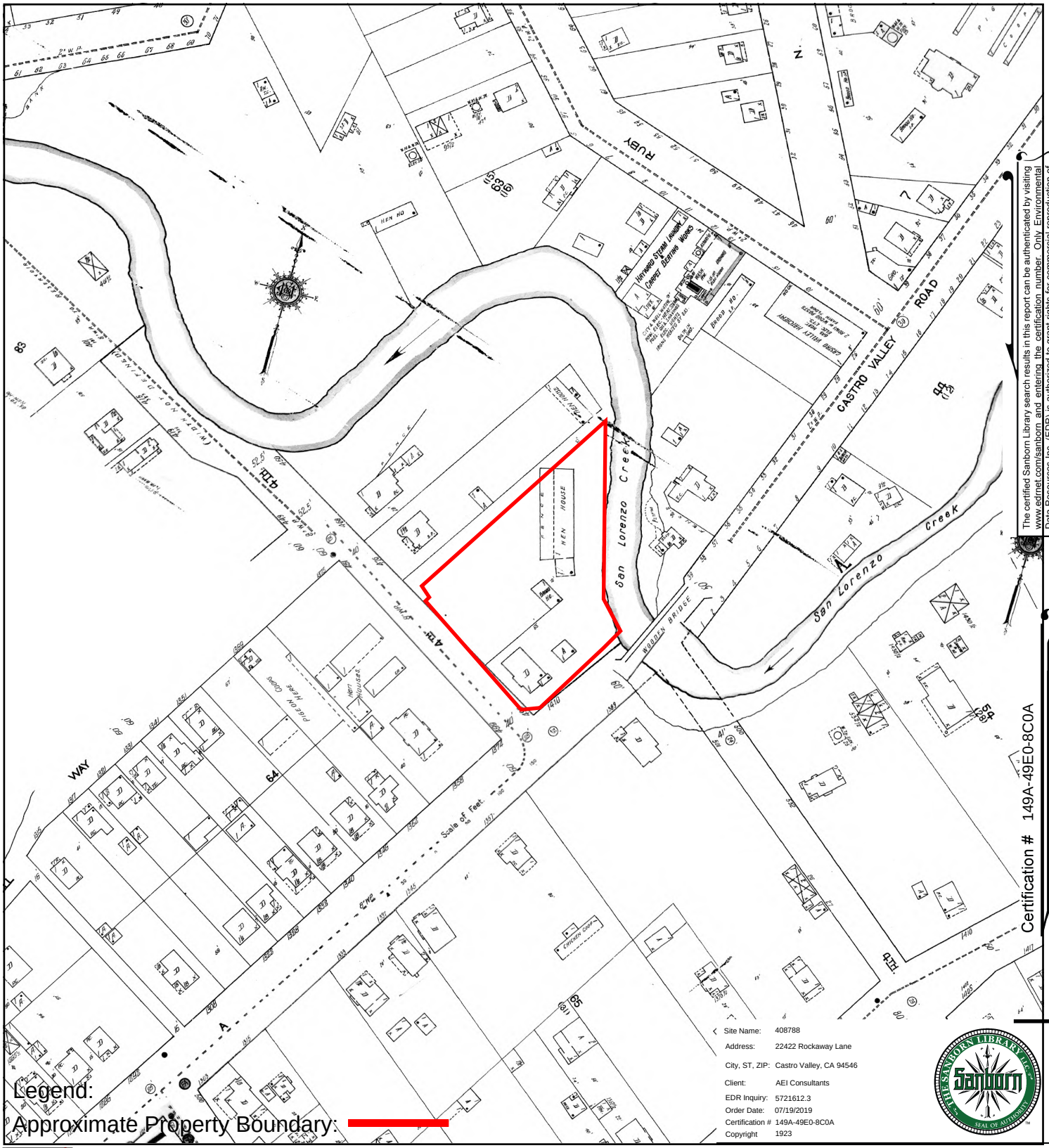
Project Number: 408788

AEI Consultants



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Legend:

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Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 4

0 Feet 150 300 600

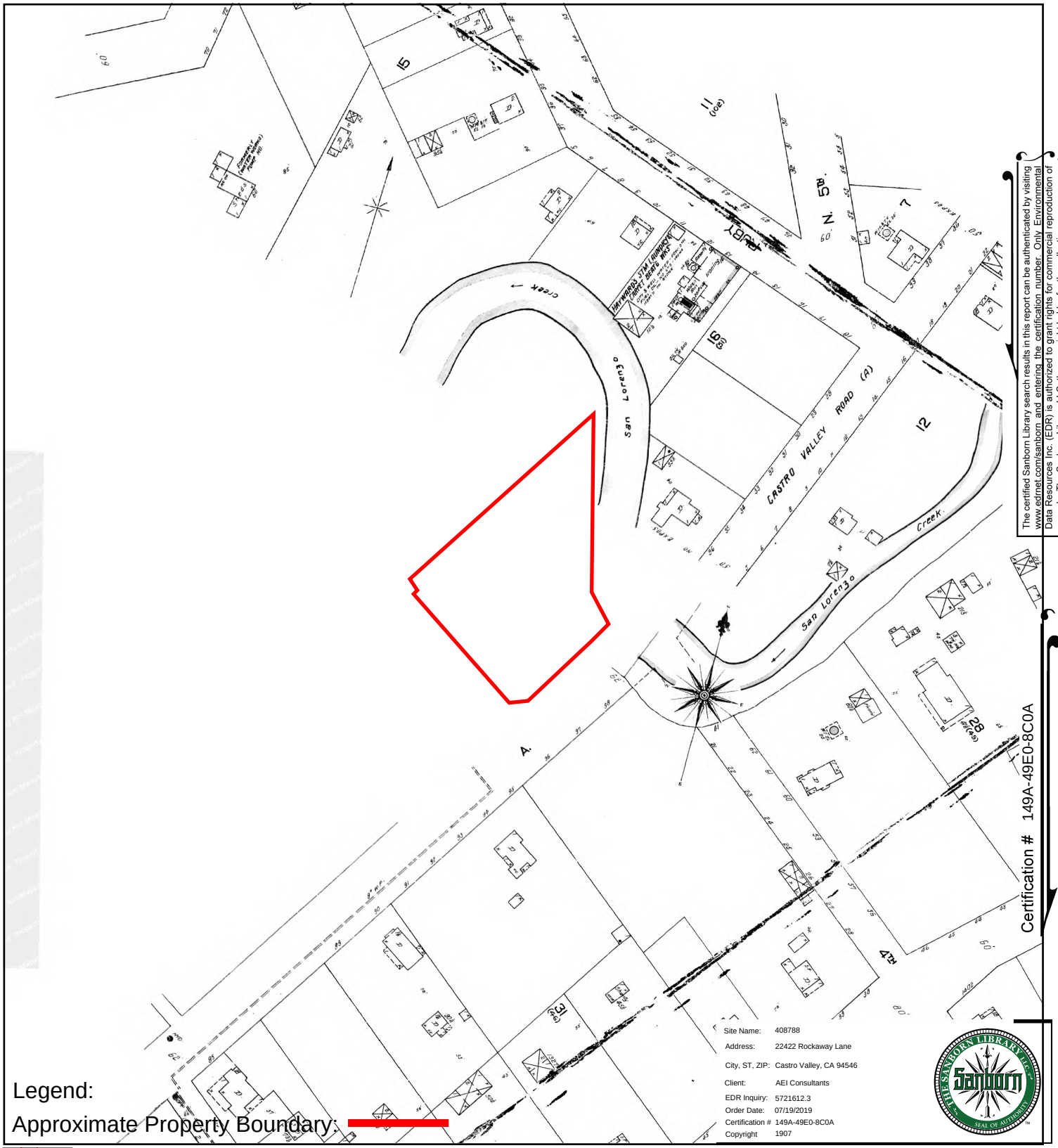
N

SANBORN MAP - 1923

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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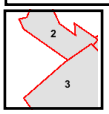


Volume 1, Sheet 3
Volume 1, Sheet 2

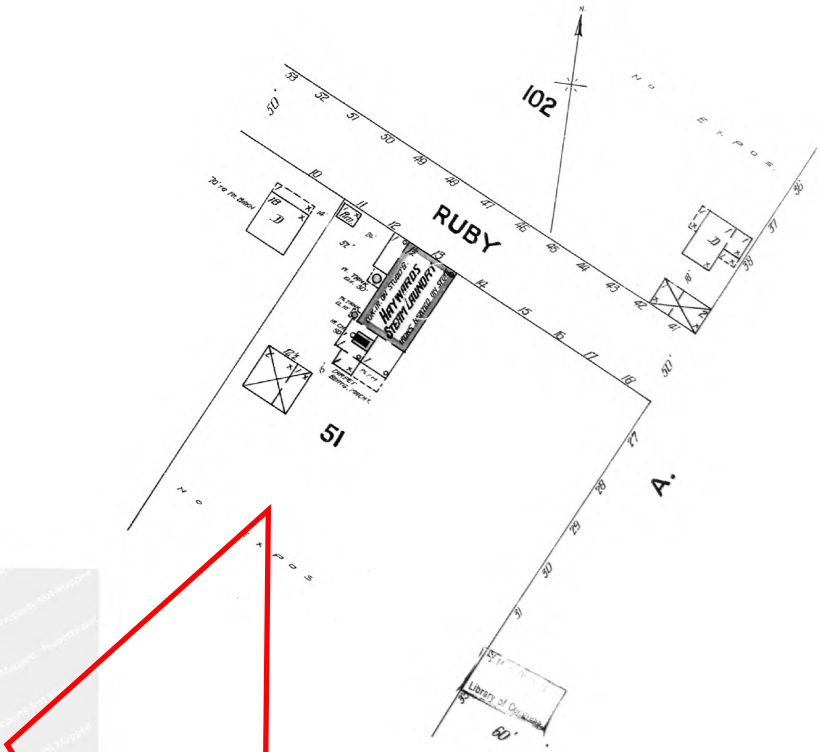
0 Feet 150 300 600

SANBORN MAP - 1907

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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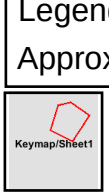
Certification # 149A-49E0-8C0A

Site Name: 408788
Address: 22422 Rockaway Lane
City, ST, ZIP: Castro Valley, CA 94546
Client: AEI Consultants
EDR Inquiry: 5721612.3
Order Date: 07/19/2019
Certification # 149A-49E0-8C0A
Copyright 1903

Legend:

Approximate Property Boundary:



Volume 1, Sheet Keymap/Sheet1

0 Feet 150 300 600

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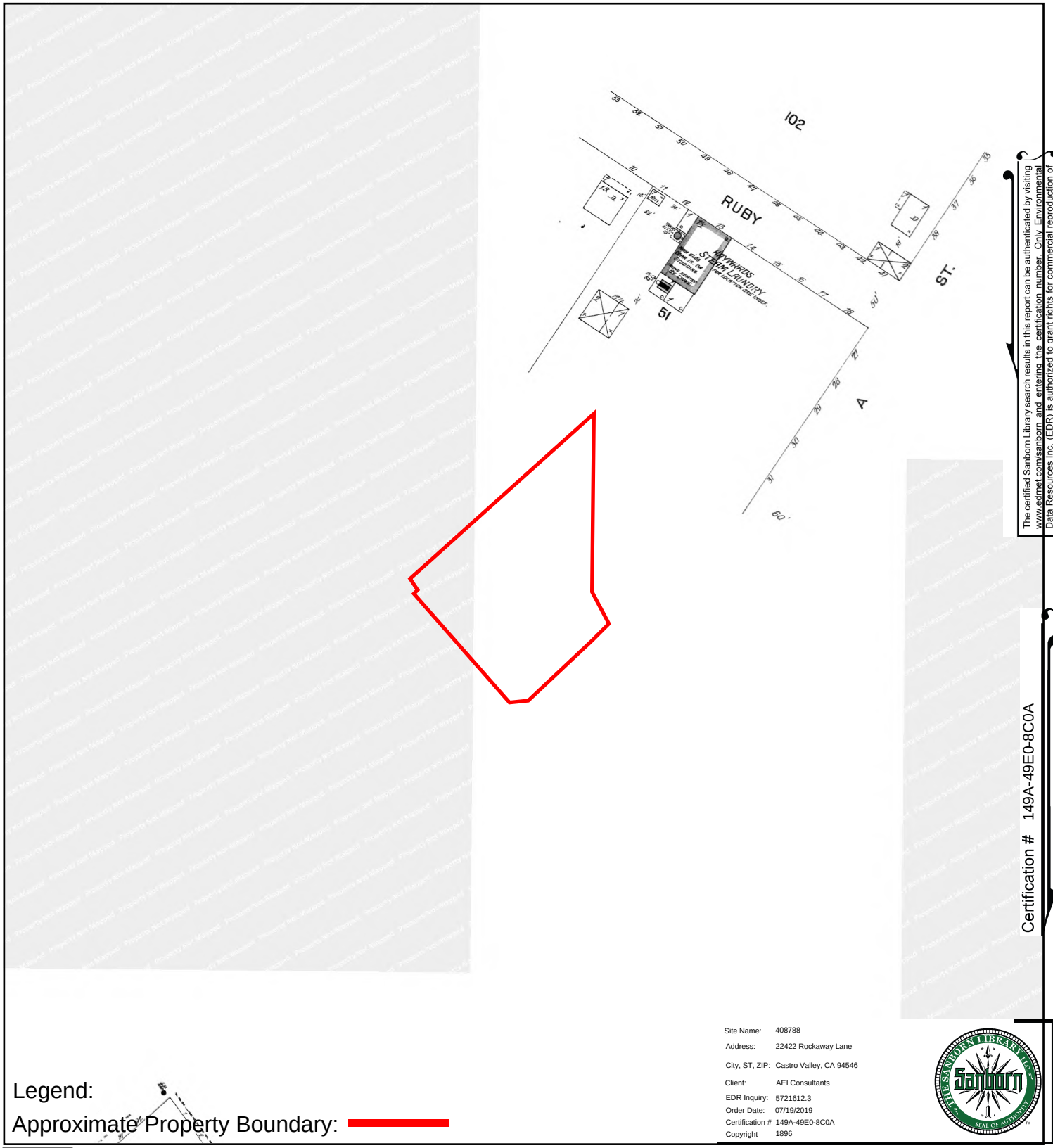
SANBORN MAP - 1903

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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Certification # 149A-49E0-8C0A

Site Name: 408788
Address: 22422 Rockaway Lane
City, ST, ZIP: Castro Valley, CA 94546
Client: AEI Consultants
EDR Inquiry: 5721612.3
Order Date: 07/19/2019
Certification # 149A-49E0-8C0A
Copyright 1896

Legend:

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Volume 1, Sheet 5

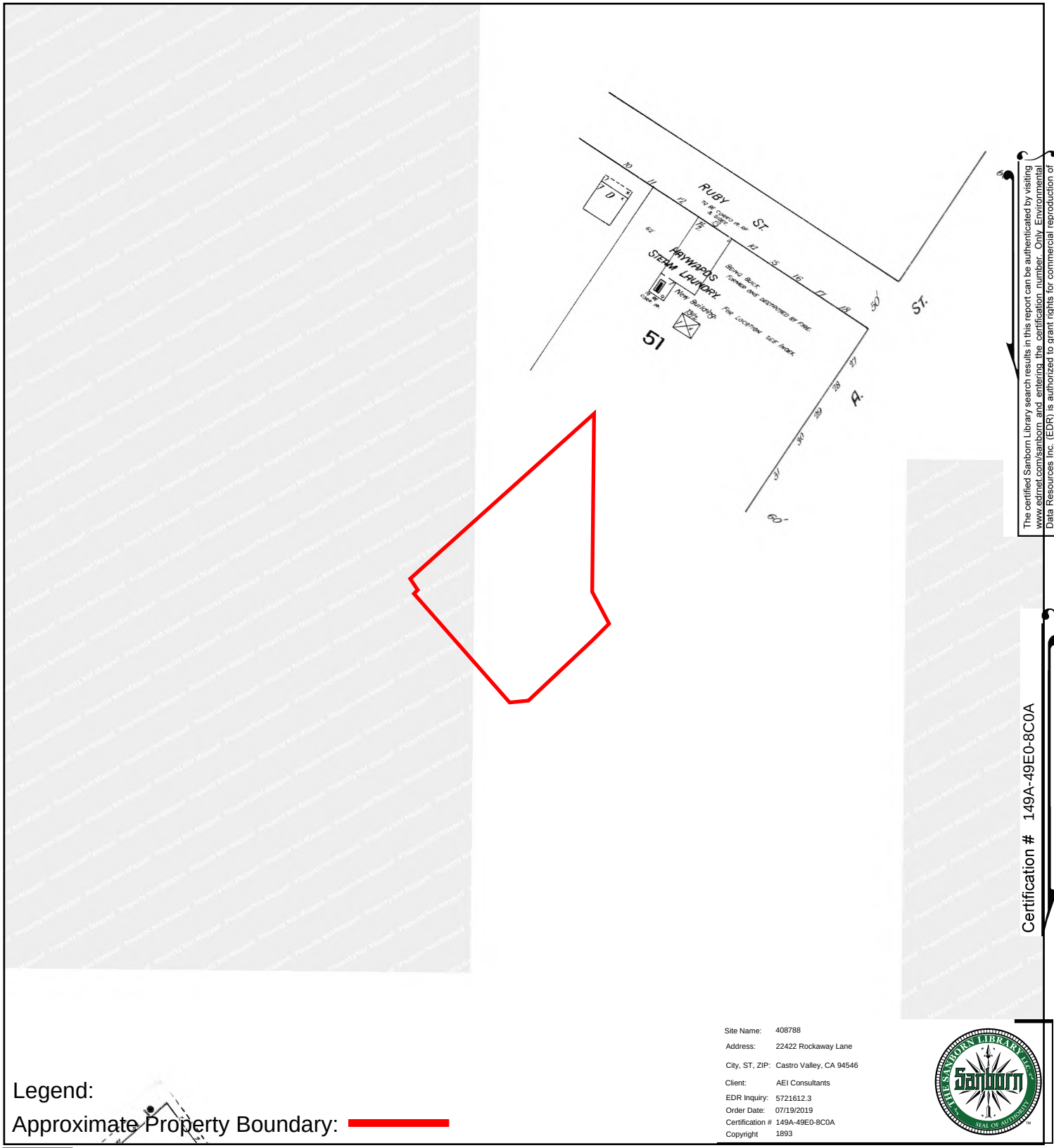
0 Feet 150 300 600

SANBORN MAP - 1896

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants



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Site Name: 408788
Address: 22422 Rockaway Lane
City, ST, ZIP: Castro Valley, CA 94546
Client: AEI Consultants
EDR Inquiry: 5721612.3
Order Date: 07/19/2019
Certification # 149A-49E0-8C0A
Copyright 1893

Legend:

Approximate Property Boundary:

Volume 1, Sheet 5

0 Feet 150 300 600

SANBORN MAP - 1893

22422 Rockaway Lane, Castro Valley, CA 94546

Project Number: 408788

AEI Consultants

408788
22422 Rockaway Lane
Castro Valley, CA 94546

Inquiry Number: 5721612.5
July 23, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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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

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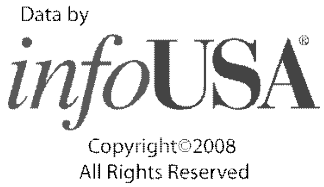


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1989	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

22422 Rockaway Lane
Castro Valley, CA 94546

Year	***CD Image***	***Source***

ROCKAWAY LN

2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1989	pg A6	Haines Criss-Cross Directory
1985	pg A7	Haines Criss-Cross Directory
1985	pg A8	Haines Criss-Cross Directory
1980	pg A9	Haines Criss-Cross Directory
1975	pg A10	Haines Criss-Cross Directory
1975	pg A11	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKAWAY LN 2014

22307	WALLACE, ROBERT D
22315	ALCANTARA, NICOLE
	CAETON, M
	FULLER, PAIGE K
	GAKISSA, GEORGE
	GOULARTE, KELLY
	WENTZEL, BRUCE A
22319	WHITE, RICHARD S
22321	CERVANTES, BAUDELIO
22329	ROGERS, MICHAEL R
22400	BROPHY, DONALD N
	CHANDLER, BILLIE J
	VALDEZ, TERRY A
	VANHOOK, JOHN H
	WAHAB, FAWAD
22405	OCCUPANT UNKNOWN,
22407	CSUTI, BLAIR A
22412	JUAREZ, GREGORY R
	LORENZO, CRISTIANA M
	SINGH, RAMENDRA
	SOUBRA, MOUHAMAD
	TORRES, FRANCISCO J
	WAIHIGA, MOSES
	YOHN, APRIL M
	ZARZYCKI, BEN M
22419	RABOCA, MYRA C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKAWAY LN 2010

22307	WALLACE, ROBERT D
22315	BUTLER, JAHVANCE
	CHAPLIN, ANNETTE
	EIRSTEDT, KATHLEEN A
	FRANKLIN, TREASURE
	FULLER, PAIGE K
	GAKISSA, GEORGE
	INGRAM, LAKEISHA
22319	OCCUPANT UNKNOWN,
22321	OCCUPANT UNKNOWN,
22400	BARRY, YESSIEKA
	CASTEO, JESSICA
	CHANDLER, BILLIE J
	CUEVAS, L J
	KAHELE, COLIN
	ROBINSON, SHARMA L
	WAHAB, SHAH B
22405	OCCUPANT UNKNOWN,
22407	CSUTI, BLAIR A
22412	CANE, TODD
	GEISLER, BARBARA E
	JONES, HENNA
	JUAREZ, TAMIKO
	SCHANNER, KATHY J
	SPARPANA, JASON
	YOHN, APRIL M
	ZARZYCKI, BEN
22419	WILLIAMSON, MARK D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKAWAY LN 2005

22307	WALLACE, ROBERT D
22315	EIRSTEDT, KATHLEEN A
	STAINS, MICHAEL
	WILLIAMS, CYNTHIA R
22319	OCCUPANT UNKNOWN,
22321	OCCUPANT UNKNOWN,
22329	ROGERS, MICHAEL R
22400	CHANDLER, BILLIE J
	CUEVAS, L J
	IDZAKOVIC, MLADENKA
	JURINOVIC, MATO
	KAHELE, COLIN
	LYNCH, MICHAEL
	MCDIARMID, PAT A
	ROBINSON, SHARMA L
	VALDEZ, TERRY
	ZELJKO, GORAN
22405	HSIA, SHU C
22407	CSUTI, BLAIR A
22412	FORBES, MARILYN
	KAUR, SUKHWINDER
	PADILLA, HECTOR M
	SINGH, RAMENDRA
	ZUBONJA, SIMO
22419	ZORNOZA, MARIO A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKAWAY LN 2000

22307	WALLACE, ROBERT
22315	GRIFFITH, LILIANE Y
	RIVERA, RUTH
22321	WOOD, GERALD L
22329	ALEXANDER, DENNIS A
22400	ALEXANDER, W
	ATKINS, WILLIAM
	BALOGUN, P
	CHANDLER, BILLIE
	CUEVAS, L J
	DUKE, KEVIN J
	FRANZ, AMY
	GARZA, LYDIA L
	HERNANDEZ, RICARDO B
	JASPER, MABEL
	JURIC, MIJO
	KYINDE, B
	LYNCH, MICHAEL
	NAVARRO, A
	PAULES, L
	ROBINSON, SHARMA L
22405	OCCUPANT UNKNOWN,
22407	CSUTI, BLAIR
22412	CAMPILLO, MARLON R
	GONZALES, ESTHER
	HAMMONTREE, SELENA D
	MCNAIR, PHYLLIS
	SAMUDIO, F
	WILLIAMS, DOLORES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

ROCKAWAY LN 1995

22307 WALLACE, ROBERT D
22315 EIRSTEDT, D G
22319 OCCUPANT UNKNOWNN
22321 COLINSKY, AMBER
22329 ALEXANDER, DENNIS A
22400 CHANDLER, BILLIE
CUEVAS, L J
JOHNSON, BRIAN K
KRUEGER, BRYAN
KUGLER, DOUGLAS
TOLIVER, LAKISHA
TSUKAMOTO, JAMES
TURNER, S
22405 OCCUPANT UNKNOWNN
22407 CSUTI, BLAIR
22412 ALVARADO, ARTURO

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1989

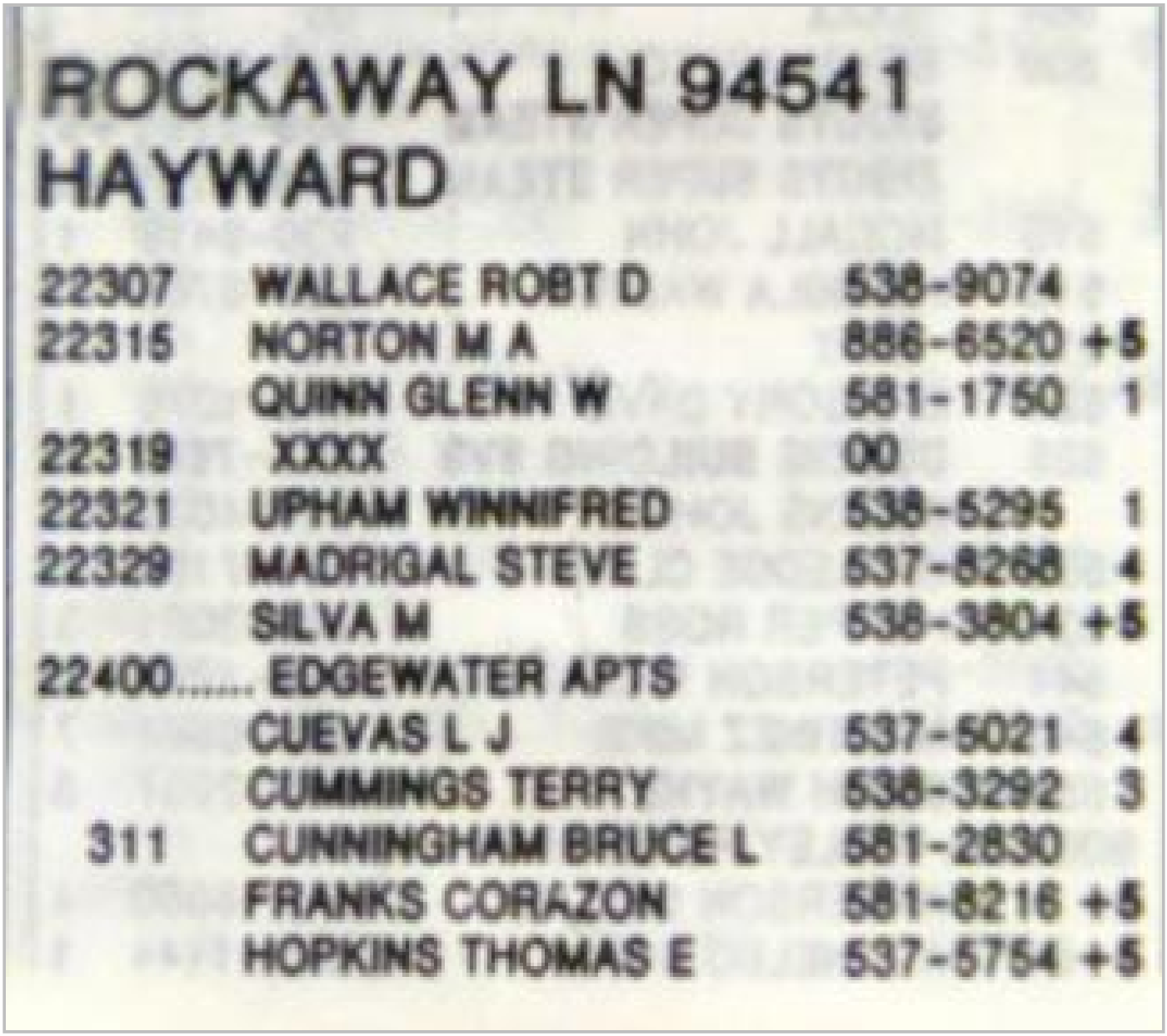
ROCKAWAY LN 94541
HAYWARD

22307	WALLACE Robt D	538-9074	
22315	EIRSTEDT D G	881-8808	7
	PICCILLO Eric T	581-7956	+9
22319	XXXX	00	
22321	XXXX	00	
22329	MORTOZA David A	581-6559	7
22400	**EDGEWATER APTS**		
	CUEVAS L J	537-5021	4
	FLAHERTY Kelly	581-8435	+9
203	MARIOTTI Robert Jr	581-3840	
	TSUKAMOTO James	538-4698	+9
22400			
22405	XXXX	00	
22407	CSUTI Blair	582-4512	5
22412	**APARTMENTS**		
	ANWARY Habibullah	581-2655	8
	EIRSTEDT Katheleen	889-9029	+9
	GUERRERO L S	581-0576	7
	HIANG Iven	889-5847	4
	SEEBA Marcellia	581-5732	+9
	SWAN Roland	881-7623	+9
22412			
22419	XXXX	00	

★ 0 BUS 19 RES 6 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1985



ROCKAWAY LN 94541
HAYWARD

22307	WALLACE ROBT D	538-9074	
22315	NORTON M A	886-6520	+5
	QUINN GLENN W	581-1750	1
22319	XXXX	00	
22321	UPHAM WINNIFRED	538-5295	1
22329	MADRIGAL STEVE	537-8268	4
	SILVA M	538-3804	+5
22400	EDGEWATER APTS		
	CUEVAS L J	537-5021	4
	CUMMINGS TERRY	538-3292	3
311	CUNNINGHAM BRUCE L	581-2830	
	FRANKS CORAZON	581-8216	+5
	HOPKINS THOMAS E	537-5754	+5

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1985

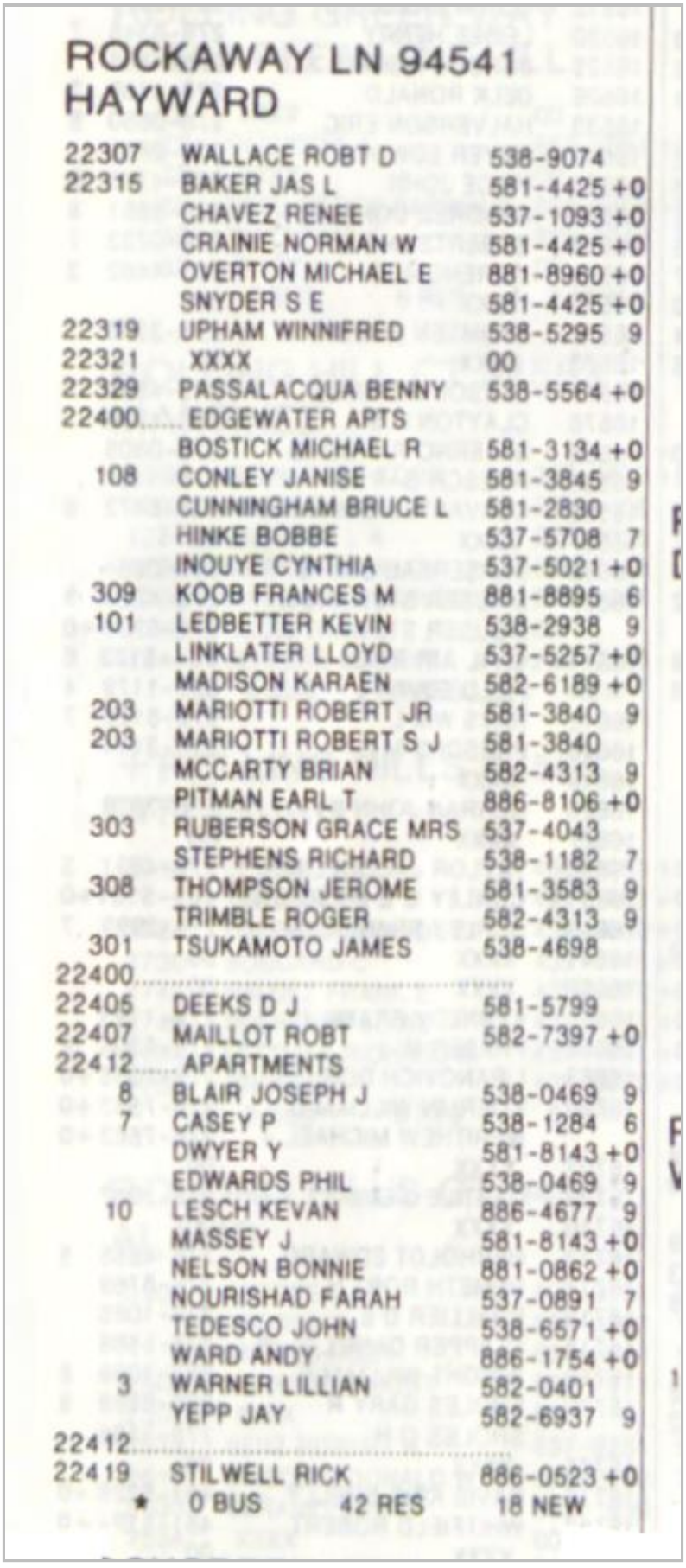
ROCKAWAY LN 94541 CONT...

101	LEDBETTER KEVIN	538-2938	9
	MAKA SITIVENI P	881-5869	4
203	MARIOTTI ROBERT JR	581-3840	9
106	MCCARTY BRIAN	582-4313	9
	MOTTAZ PETER H	538-6335	4
	MYRICK M	581-6667	4
	RADFORD M	538-8496	4
	ROBERTSON J W	889-6639	3
	WUN MIKE	581-3845	3
22400			
22405	XXXX	00	
22407	CSUTI BLAIR	582-4512	+5
22412	APARTMENTS		
	GUERRERO L S	537-8204	3
	HALE W B	582-8937	1
	HUANG IVEN	889-5847	4
14	NOURISHAD FARAH	537-0691	7
	SHERIF MARY K	538-9627	4
	WARD ANDY	886-1754	0
	WARNER L	582-0401	
22412			
22419	LANGE JOHN	537-4304	+5

★ 0 BUS 31 RES 6 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1980

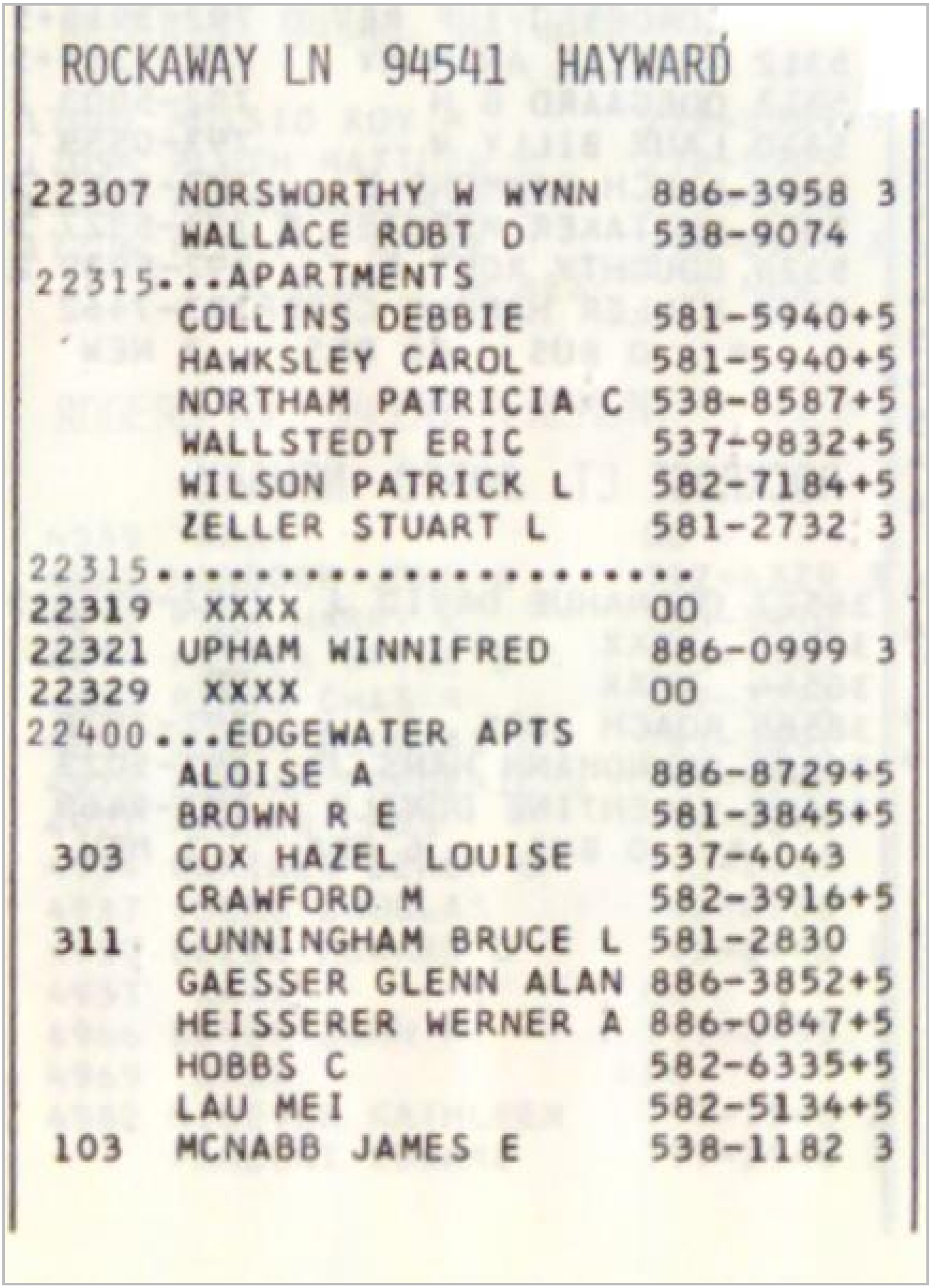


ROCKAWAY LN 94541
HAYWARD

22307	WALLACE ROBT D	538-9074
22315	BAKER JAS L	581-4425 +0
	CHAVEZ RENEE	537-1093 +0
	CRAINIE NORMAN W	581-4425 +0
	OVERTON MICHAEL E	881-8960 +0
	SNYDER S E	581-4425 +0
22319	UPHAM WINNIFRED	538-5295 9
22321	XXXX	00
22329	PASSALACQUA BENNY	538-5564 +0
22400	EDGEWATER APTS	
	BOSTICK MICHAEL R	581-3134 +0
108	CONLEY JANISE	581-3845 9
	CUNNINGHAM BRUCE L	581-2830
	HINKE BOBBE	537-5708 7
	INOUYE CYNTHIA	537-5021 +0
309	KOOB FRANCES M	881-8895 6
101	LEDBETTER KEVIN	538-2938 9
	LINKLATER LLOYD	537-5257 +0
	MADISON KARAEN	582-6189 +0
203	MARIOTTI ROBERT JR	581-3840 9
203	MARIOTTI ROBERT S J	581-3840
	MCCARTY BRIAN	582-4313 9
	PITMAN EARL T	886-8106 +0
303	RUBERSON GRACE MRS	537-4043
	STEPHENS RICHARD	538-1182 7
308	THOMPSON JEROME	581-3583 9
	TRIMBLE ROGER	582-4313 9
301	TSUKAMOTO JAMES	538-4698
22400		
22405	DEEKS D J	581-5799
22407	MAILLOT ROBT	582-7397 +0
22412	APARTMENTS	
8	BLAIR JOSEPH J	538-0469 9
7	CASEY P	538-1284 6
	DWYER Y	581-8143 +0
	EDWARDS PHIL	538-0469 9
10	LESCH KEVAN	886-4677 9
	MASSEY J	581-8143 +0
	NELSON BONNIE	881-0862 +0
	NOURISHAD FARAH	537-0891 7
	TEDESCO JOHN	538-6571 +0
	WARD ANDY	886-1754 +0
3	WARNER LILLIAN	582-0401
	YEPP JAY	582-6937 9
22412		
22419	STILWELL RICK	886-0523 +0
*	0 BUS 42 RES	18 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1975

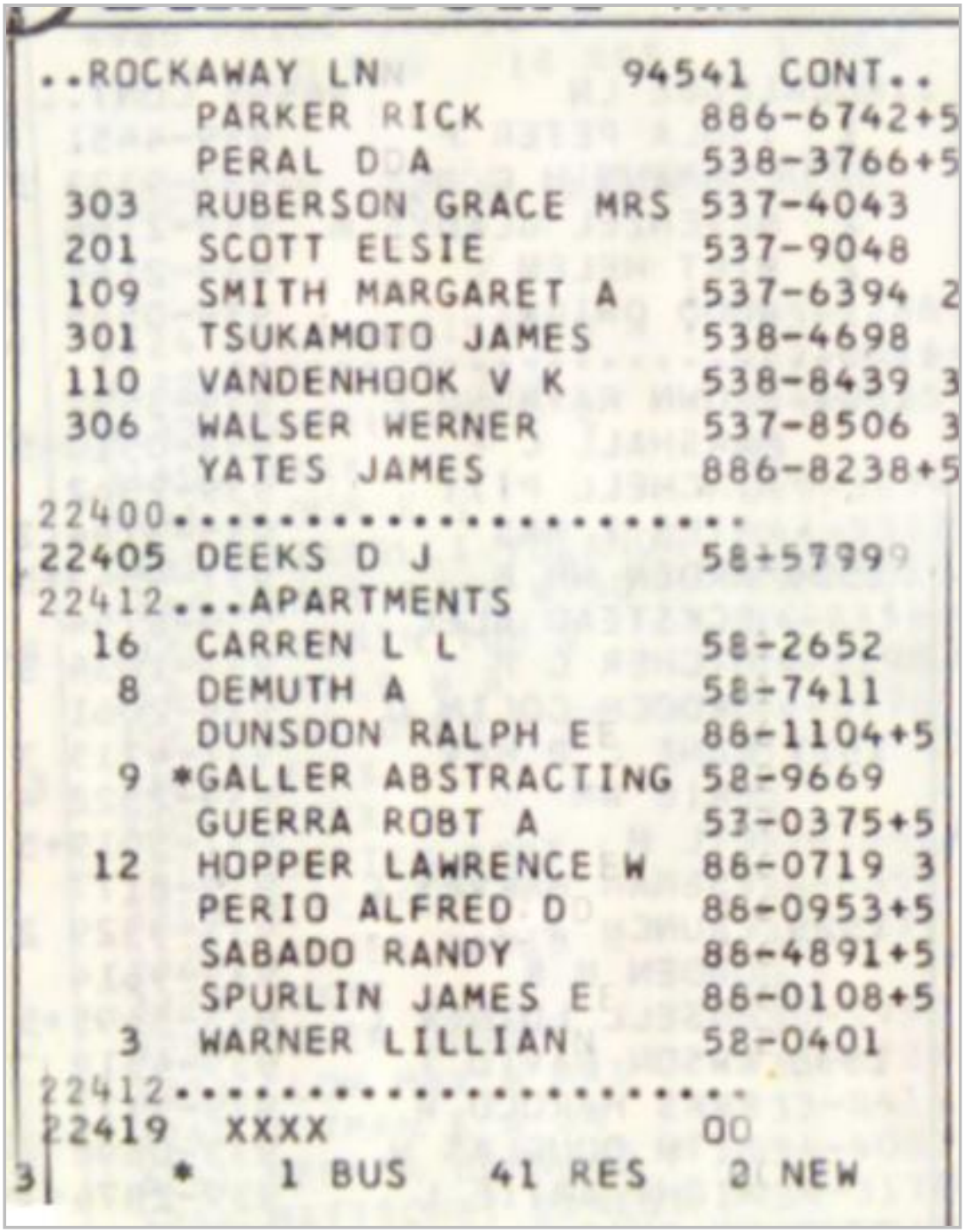


ROCKAWAY LN 94541 HAYWARD

22307	NORSWORTHY W WYNN	886-3958	3
	WALLACE ROBT D	538-9074	
22315	...APARTMENTS		
	COLLINS DEBBIE	581-5940	+5
	HAWKSLEY CAROL	581-5940	+5
	NORTHAM PATRICIA C	538-8587	+5
	WALLSTEDT ERIC	537-9832	+5
	WILSON PATRICK L	582-7184	+5
	ZELLER STUART L	581-2732	3
22315	.....		
22319	XXXX	OO	
22321	UPHAM WINNIFRED	886-0999	3
22329	XXXX	OO	
22400	...EDGEWATER APTS		
	ALOISE A	886-8729	+5
	BROWN R E	581-3845	+5
303	COX HAZEL LOUISE	537-4043	
	CRAWFORD M	582-3916	+5
311	CUNNINGHAM BRUCE L	581-2830	
	GAESSER GLENN ALAN	886-3852	+5
	HEISSERER WERNER A	886-0847	+5
	HOBBS C	582-6335	+5
	LAU MEI	582-5134	+5
103	MCNABB JAMES E	538-1182	3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

ROCKAWAY LN 1975



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..ROCKAWAY LN                94541 CONT..
       PARKER RICK                886-6742+5
       PERAL D A                  538-3766+5
  303  RUBERSON GRACE MRS         537-4043
  201  SCOTT ELSIE                537-9048
  109  SMITH MARGARET A           537-6394 2
  301  TSUKAMOTO JAMES            538-4698
  110  VANDENHOOK V K             538-8439 3
  306  WALSER WERNER              537-8506 3
       YATES JAMES                886-8238+5
22400.....................
22405 DEEKS D J                   58+5799
22412...APARTMENTS
   16  CARREN L L                 58-2652
    8  DEMUTH A                   58-7411
       DUNSDON RALPH E            86-1104+5
    9 *GALLER ABSTRACTING         58-9669
       GUERRA ROBT A              53-0375+5
   12  HOPPER LAWRENCE W          86-0719 3
       PERIO ALFRED D             86-0953+5
       SABADO RANDY               86-4891+5
       SPURLIN JAMES E            86-0108+5
    3  WARNER LILLIAN             58-0401
22412.....................
22419  XXXX                       00
3|     *   1 BUS   41 RES   2 NEW
```

APPENDIX E

PREVIOUS REPORTS

GEOTECHNICAL INVESTIGATION
FOR PROPOSED
NEW APARTMENT COMPLEX

at the

Rockaway Lane Property

22422 Rockaway Lane

Hayward, California

Report Prepared for:

Habitat

Report Prepared by:

GeoForensics, Inc.

March 2019

GEOFORENSICS INC. **Consulting Soil Engineering**

303 Vintage Park Drive, Suite 220, Foster City, CA 94404 Phone: (650) 349-3369 Fax: (650) 571-1878

File: 219036
March 27, 2019

Habitat
851 Burlway Road, Suite #710
Burlingame, CA 94010

Attention: Alex Mortazavi

Subject: **Rockaway Lane Property**
22422 Rockaway Lane
Hayward, California
GEOTECHNICAL INVESTIGATION FOR
PROPOSED NEW APERTMENT COMPLEX

Dear Mr. Mortazavi:

In accordance with your authorization, we have performed a subsurface investigation into the geotechnical conditions present at the location of the proposed improvements. This report summarizes the conditions we measured and observed, and presents our opinions and recommendations for the design and construction of the proposed new apartment complex.

Site Description

The subject site is a gently sloping irregularly-shaped parcel located on the east side of Rockaway Lane (at the approximate location shown on Figure 1). The property is bounded by an apartment complex to the north, a garden to the east, San Lorenzo Creek east of the garden, A Street to the south, and Rockaway Lane to the west.

The site is currently an empty lot vegetated with a variety of small to medium sized bushes and shrubs, and some small trees, and various other native plants and grasses.

The ground surface in the site vicinity has an overall slope down towards the east (as shown on Figure 2). At the site, the ground slopes gently down towards the east. Surface gradients range from 20:1 to 15:1 (horizontal:vertical, H:V). It appears that little or no grading work was performed on the site.

Proposed Construction

We understand that the current development for the site proposes the construction of a new apartment building, with ground floor parking, and associated improvements. The buildings are to be of conventional, wood-framed construction. New foundation loads are expected to be typical for this type of structure (i.e. light).

Excavation work at the site is expected to be limited to minor leveling of the building site, and foundation excavations. No significant fill placement is anticipated as part of this work. No significant retaining walls are anticipated for this scope of work. No basement or pool is planned for the project.

INVESTIGATION

Scope and Purpose

The purpose of our investigation was to determine the nature of the subsurface soil conditions so that we could provide geotechnical recommendations for the construction of the proposed new apartment complex and associated improvements. In order to achieve this purpose, we have performed the following scope of work:

1 - visited the property to observe the geotechnical setting of the area to be developed;
2 - reviewed relevant published geotechnical maps;
3 - drilled three borings and two CPT soundings near the location of the proposed improvements;
4 - performed laboratory testing on collected soil samples;
5 - assessed the collected information and prepared this report.

The findings of these work items are discussed in the following sections of this report.

Site Observations

We visited the site on February 19 and March 8, 2019 to observe the geotechnically relevant site conditions. During our visit, we noted the following conditions:

A - We would characterize the drainage on the lot to be sheet flow to the south and east.

B - There is a moderately slope down to the creek at the eastern side of the property. We did not observe any signs of slope instability, nor significant erosion, on that slope.

Geologic Map Review

We reviewed the *Geologic Map of the Hayward Quadrangles, Contra Costa and Alameda Counties, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-163, scale 1:24,000*, by T.W. Dibblee and J.A. Minch (2005), and the *State of California Seismic Hazards Zone Map; Hayward Quadrangle* (7/2/03). The relevant portions of the Dibblee and Minch map and State map have been reproduced in Figures 3 and 3a.

The Dibblee and Minch map indicates that the site is underlain by the Older Surficial Sediments (map symbol "Qa"). Dibblee and Minch describes these materials as consisting of "alluvial gravel, sand, and clay of valley areas, includes gravel and sand of major stream channels."

Our subsurface exploration (see below) encountered clay and sand materials which we judged to be consistent with the mapping.

The Seismic Hazards Zone Map indicates the site is outside of the areas where there have been previous occurrences of landslide movement; however, the site is mapped within an area where there has been a historic occurrence of liquefaction or where local topographic, local geological, geotechnical, and groundwater conditions would indicate such a potential exists.

The active Hayward Fault is mapped approximately 0.4 miles (0.6 km) southwest of the site.

Subsurface Exploration

Conventional Borings - On March 19, 2019 we drilled three borings at the site at the locations shown on Figure 4. The borings were drilled using a Mobile B-24 truck-mounted drilling rig (as noted on the logs) equipped with 3.25 inch diameter, helical flight augers. Logs of the soils encountered during drilling record our observations of the cuttings traveling up the augers and of relatively undisturbed samples collected from the base of the advancing holes. The final boring logs are based upon the field logs with occasional modifications made upon further laboratory examinations of the recovered samples and laboratory test results. The final logs are attached in Appendix A.

The relatively undisturbed samples were obtained by driving a 3.0 inch (outer diameter) Modified California Sampler and a Standard Penetration Sampler (as noted on the logs) into the base of the advancing hole by repeated blows from a 140 pound (truck rig) and a 70 pound (portable rig) hammer lifted 30 inches. On the logs, the number of blows required to drive the sampler the final 12 inches of the 18 inch drive, have been recorded as the Blow Counts. These blows have not been adjusted to reflect equivalent blows of any other type of sampler or hammer, or to account for the different hammers and samplers used.

CPT Soundings - To supplement our previous conventional borings, two CPT soundings were advanced across the site. The CPT soundings were hydraulically advanced pushing a 1.4 inch diameter cone-tipped probe into the ground after hand-augering the upper 5 feet of soil to clear any potential utilities. Gauges in the probe measured both tip resistance and frictional resistance (along with pore water pressures) to provide engineering information used to assess soil type and strength characteristics. The accumulated data was computer processed to provide further information on liquefaction potential and settlement potentials associated with liquefaction. The graphic logs of the CPT sounding data are attached in Appendix A of this report.

Subsurface Conditions

Boring 1 first penetrated 6.5 feet of stiff silty clay. This was underlain by medium dense silty fine sand which grade to a stiff fine sandy silt by 13 feet. At 19.5 feet, the boring encountered dense silty gravelly sand down to a depth of 23 feet, where the borings were terminated due to drilling refusal.

Boring 2 first penetrated 6 feet of soft silty clay. The clay was underlain by medium dense silty fine sand grading to stiff fine sandy silt by a depth of 11 feet. Below the silt was medium dense silty fine sand from 15 to 30 feet. At 30 feet, the boring encountered very dense silty gravelly sand down to the terminated boring depth of 31.5 feet.

Boring 3 first penetrated 5.5 feet of firm silty clay. This was underlain by very stiff fine sandy silt which grade to a medium dense silty fine sand by a depth of 16 feet. The boring was terminated in these sands at a depth of 17.5 feet.

Please refer to Appendix A for a more detailed description of each boring.

Initially, groundwater was encountered at a depth of 29 feet during the drilling of Boring 2. The level of the water rose to a depth as shallow as 27 feet by the end of the boring. However, during periods of heavy rain or late in the winter, groundwater seepage may exist at even shallower depths.

The CPT soundings encountered a similar profile, consisting of an upper layer of clay over variable interbedded deposits of sands and silts. These materials generally became denser at depths below 30 feet, with CPT 2 encountering refusal at 31.5 feet, while CPT 1 was able to be advanced to 45 feet. Ground water was estimated to be at a depth of 20 feet in the CPT soundings.

Laboratory Testing

The relatively undisturbed samples collected during the drilling process were returned to the laboratory for testing of engineering properties. In the lab, selected soil samples were tested for moisture content, density, and plasticity. The results of the laboratory tests are attached to this report in Appendix B.

Plasticity Index (PI) testing performed on the site near surface clayey materials produced a PI result of 23. This testing indicated that the near surface materials (PI = 23) have moderate plasticity and are moderately expansive. Testing of the sandier deeper soils (@22') found that they are non-plastic, and hence may be subject to liquefaction.

Liquefaction Analysis

Liquefaction is the temporary change in a soil from a solid condition (inter-granular contact) to a liquid condition (particles of soil suspended in water). This condition can occur where predominantly **granular** soils are in a relatively **loose** and **saturated** condition. Liquefaction typically does not occur in cohesive, dense, or non-saturated soil conditions.

In order to evaluate the potential for liquefaction to occur at any location, it is necessary to be able to identify several important factors, including: type of soil; relative density of soil; elevation of water table; and seismic accelerations and magnitude. Variations in any of these factors can have a dramatic impact on the potential for liquefaction to occur, or in the magnitude of the results if it does occur.

Soil Type and Relative Density – the type and density of the soils penetrated by the CPT soundings are assessed from the CPT testing based upon correlations between resistance along the cone's sleeve and resistance at the cone's tip. Logs of the soil types and relative densities encountered in the CPT soundings are attached to this report in Appendix A.

Depth to Water Table – Plate 1.2 of the State of California's Seismic Hazard Zone Report for the Hayward Quadrangle, indicates that the ground water elevations at the subject site are on the order of 20 feet below grade. Our borings confirmed that the site currently has a water table at a depth of 20 to 27 feet. We have assumed a depth to ground water of 20 feet in our analysis. See Figure 3D.

Seismic Accelerations – Figure 3.3 of the State Hazard Zone Report indicates that the design earthquake (with a 10 percent chance of exceedance in the next 50 years) will induce an acceleration due to ground shaking within alluvial soils of approximately 0.6g. See Figure 3C.

Liquefaction Analysis – We have performed our seismic analysis in conformance with the recommendations specified in the State of California Special Publication 117 and ASCE 7-10. The CPT data collected from our recent field investigation was analyzed using the CLiq program (version 1.3.1.104) issued by Geologismiki and Gregg Drilling. The program uses the tabulated results from the CPT sounding to assess the potential for liquefaction to occur at the site, as well as estimate the potential ground movements associated with liquefaction. Ground accelerations and ground water levels as discussed above were used as the input parameters along with the raw data from the CPT soundings for our analysis. The plots of the liquefaction analysis results at the CPT locations are attached to this report as Figures 5a and 5b.

ANALYSIS RESULTS

Factor of Safety – The factor of safety against liquefaction occurring is calculated by comparing the forces tending to induce liquefaction to those resisting liquefaction. When the factor of safety against liquefaction falls below a value of 1.0 (i.e. inducing factors are stronger than resisting factors), the material is considered to have the potential to liquefy.

In our analysis, the CLiq program calculated that there is a potential for liquefaction (FS<1) to occur in the sandy soil strata at variable depths ranging from 20 to 41 feet below grade. The program calculates that should liquefaction occur, the total potential vertical settlement would be on the order of 1.7 to 2.5 inches. Therefore, differential settlements would be expected to be on the order of about an inch over 40 feet.

The CLiq program also indicated that due to the adjacent creek channel, lateral displacements could also occur. The projected lateral movements across the site could be on the order of 45 to 55 inches. This amount of lateral displacement is considered to be excessive, therefore mitigation will be required.

CONCLUSIONS AND RECOMMENDATIONS

General

Based upon our investigation, we believe that the proposed improvements can be safely constructed. Geotechnical development of the site is controlled by the presence of moderately expansive near surface soils as well as deeper potentially liquefiable soils.

Expansive soils derive their name from their propensity to change volume in response to changes in moisture content. When they are dry, they shrink; when they become wet, they swell. The pressures these soils can exert as they expand can be sufficiently high to move conventional residential foundations. The foundation movement induced by the soil shifting can cause wall coverings to crack, doors and windows to stick, and floors to slope. Seasonal movements of expansive soils have caused such distress to countless building in the Bay Area.

During a major earthquake, our analyses (see above) indicates that there may be both vertical and lateral displacements of the site soils as the deeper sandy soils liquefy. While the vertical movements are likely to be accommodated through good building design, mitigation is required to reduce potential lateral displacements to an acceptable amount.

To combat seasonal expansive soil movements, it is necessary to utilize a foundation system which derives its support from the deeper, more stable soils or use a stiff foundation system and accept some overall tilt of the structure. Therefore, we have provided recommendations for an interlocking grade beam foundation system to accommodate expansive soil movements and potential vertical seismic settlements. A program of grouting has been recommended to minimize lateral displacements.

Seismicity

The greater San Francisco Bay Area is recognized by Geologists and Seismologists as one of the most active seismic regions in the United States. Several major fault zones pass through the Bay Area in a northwest direction which have produced approximately 12 earthquakes per century strong enough to cause structural damage. The faults causing such earthquakes are part of the San Andreas Fault System, a major rift in the earth's crust that extends for at least 700 miles along western California. The San Andreas Fault System includes the San Andreas, San Gregorio, Hayward, Calaveras Fault Zones, and other faults.

During 1990, the U.S. Geological Survey cited a 67 percent probability that an earthquake of Richter magnitude 7, similar to the 1989 Loma Prieta Earthquake, would occur on one of the active faults in the San Francisco Bay Region in the following 30 years. Recently, this probability was increased to 70 percent, as a result of studies in the vicinity of the Hayward Fault. A 23 percent probability is still attributed specifically to the potential for a magnitude 7 earthquake to occur along the San Andreas Fault by the year 2020.

Ground Rupture - The lack of mapped active fault traces through the site, suggests that the potential for primary rupture due to fault offset on the property is low.

Ground Shaking - The subject site is likely to be subject to very strong to violent ground shaking during its life span due to a major earthquake in one of the above-listed fault zones. Current (2016) building code design may be followed by the structural engineer to minimize damages due to seismic shaking, using the following input parameters from the Structural Engineers Association of California (SEAOC) Calculator based upon ASCE 7-16 design parameters:

Site Class	S_S=SM_S	S_1	SD_S	F_a	F_v	T_L	PGA_M
D	2.396	0.917	1.597	1	2.5	8	1.104

Landsliding - We note that the subject site and the surrounding area are gently sloping. The Seismic Hazards Zone Map indicates that the site is not in an area potentially subject to seismically induced landsliding. Therefore, the hazard due to seismically-induced landsliding is, in our opinion, very low for the site. We do note that some surficial sliding may occur on the adjacent steep creek bank adjacent to the project.

Liquefaction - The State of California Seismic Hazards Zones map indicates that the site is in an area potentially subject to liquefaction. Liquefaction most commonly occurs during earthquake shaking in loose fine sands and silty sands associated with a high ground water table. Our liquefaction analysis confirmed this potential, and the anticipated vertical ground settlements are discussed above in this report. Lateral movements are discussed below, under Lateral Spreading.

Ground Subsidence - Ground subsidence may occur when poorly consolidated soils densify as a result of earthquake shaking. Since the proposed building site is underlain at shallow depths by resistant materials, the hazard due to ground subsidence is, in our opinion, considered to be low.

Lateral Spreading - Lateral spreading can occur when a weak layer of material, such as a sensitive or liquefiable soil, loses its shear strength as a result of earthquake shaking. Overlying blocks of competent material may be translated laterally towards a free face. The adjacent creek channel is a free face into which the site soils may attempt to move should the underlying sandy soils liquefy. Our analysis indicates that between 45 and 55 inches of lateral movement (roughly 4 feet) may occur during such an event. This amount of lateral movement is considered to be excessive, and we have provided recommendations for remediating this potential using grout densification techniques.

Liquefaction Mitigation

As discussed above, the magnitude of the potential differential vertical settlements due to liquefaction are considered to be relatively minor, and the proposed interlocking grade beam foundation system is expected to help minimize any transmission of such soil movements to the supported structure. Conversely, the potential lateral displacements of the site are considered to be too large to be acceptable for structural performance. Therefore, it will be necessary to reduce the potential lateral movements by creating a "retaining wall" using grout injection techniques.

The "grout wall" will need to consist of a zone extending the length of the property along the creek channel. The grouting must be performed by an experienced grouting contractor, as it will be important to preclude grout migration into the creek channel. We recommend that all grouting insertion points be kept a minimum of 40 feet away from the creek channel.

To effectuate the grout wall, the affected site soils will need to have a minimum horizonal width of 20 feet. This is expected to require four lines of offsetting injection points spaced approximately 6 feet apart in each direction. The grout should be injected starting at a depth of 30 feet and extending up to a depth of 10 feet below ground surface. The grout lines should be located a minimum of 5 feet beyond the margins of the proposed building envelope to minimize potential impacts on differential settlements.

Site Preparation and Grading

All debris resulting from the demolition of existing improvements should be removed from the site and may not be used as fill. Any existing underground utility lines to be abandoned should be removed from within the proposed building envelope and their ends capped outside of the building envelope.

Any vegetation and organically contaminated soils should be cleared from the building area. All holes resulting from removal of tree stumps and roots, or other buried objects, should be overexcavated into firm materials and then backfilled and compacted with native materials.

The placement of fills at the site is expected to include: utility trench backfill, slab subgrade materials, and finished drainage and landscaping grading. These and all other fills should be placed in conformance with the following guidelines:

Fills may use organic-free soils available at the site or import materials. Import soils should be free of construction debris or other deleterious materials and be non-expansive. *A minimum of 3 days prior to the placement of any fill, our office should be supplied with a 30 pound sample (approximately a full 5 gallon bucket) of any soil or baserock to be used as fill (including native and import materials) for testing and approval.*

All areas to receive fills should be stripped of organics and loose or soft near-surface soils. Fills should be placed on level benches in lifts no greater than 6 inches thick (loose) and be compacted to at least 90 percent of their Maximum Dry Density (MDD), as determined by ASTM D-1557. If native expansive soils are used for fill at the site, then the soils should be placed at 3 to 5% over Optimum Moisture Content and be compacted to **between** 85 to 90 percent of their MDD. In pavement (concrete or asphalt) areas to receive vehicular traffic, all baserock materials should be compacted to at least 95 percent of their MDD. Also, the upper 6 inches of soil subgrade beneath any pavements should be compacted to at least 90 percent of its MDD.

If fills in excess of 3 feet thick are to be placed, our office should be contacted for further recommendations.

Temporary, dry-weather, vertical excavations should remain stable for short periods of time to heights of 5 feet. All excavations should be shored or sloped in accordance with OSHA standards. Cuts deeper than 20 feet may encounter groundwater and will require temporary (and perhaps permanent) dewatering.

Permanent cut and/or fill slopes should be no steeper than 2:1 (H:V). However, even at this gradient, minor sloughing of slopes may still occur in the future. Positive drainage improvements (e.g. drainage swales, catch basins, etc.) should be provided to prevent water from flowing over the tops of cut and/or fill slopes.

Building Foundation – Waffle System

The new foundation system may consist of a series of interlocking grade beams ("waffle") which will create a relatively rigid system upon which the new building may be constructed. This system will not stop all movements, but will allow it to be transferred to a distributed tilt, rather than the more damaging localized differential movements. To provide the most rigid system, it will be important that long, narrow protrusions be minimized from the design in favor of the most rectangular (ideally square) footprint geometrically possible. The grade beams should be capable of spanning or cantilevering the following distances and amounts:

Settlements - loss of support due to drying of expansive soils resulting in the potential loss of support for a distance of 8 feet along the perimeter and at any corner. We also anticipate that there could be 1 inch of differential ground settlements induced by liquefaction between any two adjacent column supports.

Uplift – due to expansive soil uplift, the foundations should be able to resist a 2 inch uplift occurring over a 10 foot diameter area anywhere within the center of the building; along the perimeter edge of the building; and, at the corner of the building.

The foundation movements under the foundations must not result in a deflection of the foundation grade beam system in excess of a ratio of 1:360. To achieve this rigidity, it is anticipated that foundation grade beams will need to be on the order of 3 feet tall, a minimum of 18 inches wide, and spaced at no more than 20 feet in any direction. Ideally, grade beams should be located under all interior walls and columns so as to maximize the rigidity under these walls. The top steel reinforcement should mirror the bottom steel schedule.

The grade beam system may be designed for a very high bearing capacity, as bearing capacity failures would actually assist in limiting deflections for such a structure. In this case, a bearing capacity of 3000 psf may be used for the grade beams when under maximum deflection loading conditions, but a value of 2500 psf should be used for static loading of the columns under long-term live and dead loads. These values may be increased by 1/3 for temporary loadings such as wind or seismic.

For resistance to lateral forces, the embedded faces of the grade beams may be assumed to develop a passive resistance of 200 psf.

Slabs-on-Grade

For any interior concrete building floors at grade, we recommend the use of structural slabs, spanning between grade beams or waffle beams. The slabs should be underlain by a 24 inch thick layer of non-expansive soil, placed and compacted under the floor slabs.

Concrete garage slabs may consist of floating slabs, but will be potentially subject to greater amounts of post-construction movement and cracking. For these slabs, it will be necessary that the subgrade soils be moisture conditioned to a minimum of 5 percent over optimum moisture content to a depth of 1 foot below the subgrade surface. Upon verification of proper moisture conditioning, the soils must be covered with a vapor barrier having a minimum thickness of 10 mils, then covered by the required drain rock layer. This will help to minimize post-construction swelling of the underlying soils. Alternatively the upper 24 inches of expansive soil may be replaced with non-expansive fill.

All ground floor slabs should be underlain by at least 6 inches of clean, crushed drain rock. The drain rock should be covered by a moisture barrier which conforms to ASTM E1745-97 (e.g. Stego Wrap or an approved equivalent) where ever moisture transmission through the slab is undesirable. Perforated collector pipes should be embedded within the drain rock to carry any water which gathers within the drain rock to an appropriate discharge location. Spacing between the pipes should not exceed 20 feet. The need for any sand over the top of the vapor barrier should be determined by the slab designer or architect.

Any non-building floors may consist of conventional concrete slabs-on-grade, though it should be expected that some seasonal/post-construction shifting of such slabs may occur. We have provided guidelines to help reduce post-construction movements, however, it is nearly impossible to economically eliminate all shifting.

To help reduce cracking, we recommend slabs be a minimum of 4 inches thick and be nominally reinforced with #4 bars at 12 inches on center, each way. Slabs which are thinner or more lightly reinforced may experience undesirable cosmetic cracking. However, actual reinforcement and thickness should be determined by the structural engineer based upon anticipated usage and loading.

In large non-interior slabs (e.g. patios, garage, etc.), score joints should be placed at a maximum of 10 feet on center. In sidewalks, score joints should be placed at a maximum of 5 feet on center. All slabs should be separated from adjacent improvements (e.g. footings, porches, columns, etc.) with expansion joints. Interior floor slabs will experience shrinkage cracking. These cosmetic cracks may be sealed with epoxy or other measures specified by the architect.

It would be prudent (though not required) to underlay all slabs with at least 24 inches of non-expansive materials. This will help to reduce future expansive soil movements of the slabs. Slabs which are not underlain by this non-expansive material may undergo excessive seasonal shifting.

Slabs which will be subject to light vehicular loads and through which moisture transmission is not a concern (e.g. driveway) should be underlain by at least 6 inches of compacted baserock, in lieu of any sand and gravel. The 6 inches of granular subgrade may be included as part of the 24 inches of non-expansive materials. Exterior landscaping flatwork (e.g. patios and sidewalks) may be placed directly on proof-rolled soil subgrade materials (e.g. no granular subgrade), however, they will be potentially subject to greater amounts of shifting and moisture transmission.

As stated previously, in pavement (concrete or asphalt) areas to receive vehicular traffic, all baserock materials should be compacted to at least 95 percent of their MDD. Also, the upper 6 inches of native soil subgrade beneath any pavements should be compacted to at least 90 percent of its MDD.

To reduce post-construction expansive soil movements (i.e. heave) of any slabs, care should be taken to keep the subgrade moist for an extended period of time prior to pouring the slabs. *Shrinkage cracks should not be allowed to develop in the soil beneath any proposed slabs.* Ideally, all slab areas and crawlspace subgrade areas should be sprayed, and covered with 10 mil visqueen and any granular materials as soon as exposed by grading.

Drainage

Surface Drainage - Adjacent to any buildings, the ground surface should slope at least 5 percent away from the foundations within 5 feet of the perimeter. Impervious surfaces should have a minimum gradient of 2 percent away from the foundation.

Surface water should be directed away from all buildings into drainage swales, or into a surface drainage system (i.e. catch basins and a solid drain line). "Trapped" planting areas should not be created next to any buildings without providing means for drainage (i.e. area drains).

All roof eaves should be lined with gutters. The downspouts may be connected to solid drain lines, or may discharge onto paved surfaces which drain away from the structure. The downspouts may be connected to the same drain line as any catch basins, but must not directly connect to any perforated pipe drainage system. If splash blocks are preferred, then a perimeter footing drain system **must** be installed.

Footing Drain - Due to moderately expansive soils, it is strongly encouraged that a perimeter footing drain be installed to intercept water attempting to enter under the floor slabs.

The footing drain system should consist of a 12 inch wide gravel-filled trench, *dug at least 12 inches below the elevation of the adjacent crawlspace or slab subgrade.* The trench should be lined with a layer of filter fabric (Mirafi 140N or equivalent) to prevent migration of silts and clays into the gravel, but still permit the flow of water. Then 1 to 2 inches of drain rock (clean crushed rock or pea gravel) should be placed in the base of the lined trench. Next a perforated pipe (minimum 3 inch diameter) should be placed on top of the thin rock layer. The perforations in the pipe should be face down. The trench should then be backfilled with more rock to within 6 inches of finished grade. The filter fabric should be wrapped over the top of the rock. Above the filter fabric 6 inches of native soils should be

used to cap the drain. If concrete slabs are to directly overlay the drain, then the gravel should continue to the base of the slab, without the 6 inch soil cap. This drain should not be connected to any surface drainage system.

Drainage Discharge - The surface drain lines should discharge at least 15 feet away from the building, preferably at the street, creek, or other location approved by our office. The discharge location(s) may need to be protected by energy dissipaters to reduce the potential for erosion. Care should be taken not to direct concentrated flows of water towards neighboring properties. This may require the use of multiple discharge points.

The footing drain lines should discharge independently from the surface drainage system. A sump pump may be required for the footing drain discharge system. The surface and subsurface drain systems should not be connected to one another.

Drainage Materials - Drain lines should consist of hard-walled pipes (e.g. SDR 35 or Schedule 40 PVC). In areas where vehicle loading is not a possibility, SDR 38 or HDPE pipes may be used. Corrugated, flexible pipes may not be used in any drain system installed at the property.

Surface drain lines (e.g. downspouts, area drains, etc.) should be laid with a minimum 2 percent gradient (¼ inch of fall per foot of pipe). Any subsurface drain systems (e.g. footing drains) should be laid with a minimum 1 percent gradient (1/8 inch of fall per foot of pipe).

Utility Lines

Unless they pass through the perimeter footing drain system, all utility trenches should be backfilled with compacted native clay-rich materials within 5 feet of any buildings. This will help to prevent migration of surface water into trenches and then underneath the structures' perimeter. The rest of the trenches may be compacted with other native soils or clean imported fill. Only mechanical means of compaction of trench backfill will be allowed. Jetting of sands is not acceptable. Trench backfill should be compacted to at least 90 percent of its MDD. However, under pavements, concrete flatwork, and footings the upper 12 inches of trench backfill must be compacted to at least 95 percent of its MDD.

Pavement

The new driveway may consist of concrete, interlocking pavers, or asphaltic concrete over Caltrans Class II aggregate base (baserock). The asphalt should have a minimum thickness of 2½ inches. The baserock should have a minimum thickness of 6 inches, though 12 inches is preferable due to the expansive nature of the near-surface site soils. All of the baserock should attain a minimum compaction of 95 percent of its MDD. Any fill below this layer should attain a minimum of 90 percent relative compaction.

Plan Review and Construction Observations

The use of the recommendations contained within this report is contingent upon our being contracted to review the plans, and to observe geotechnically relevant aspects of the construction.

We should be provided with a full set of plans to review at the same time the plans are submitted to the building/planning department for review. A minimum of one working week should be provided for review of the plans.

At a minimum, our observations should include: compaction testing of fills and subgrades; footing excavations; pier drilling; forming of the grade beams voids; slab and driveway subgrade preparation; installation of any drainage system (e.g. footing and surface), and final grading. A minimum of 48 hours notice should be provided for all construction observations.

LIMITATIONS

This report has been prepared for the exclusive use of the addressee, and their architects and engineers for aiding in the design and construction of the proposed development. It is the addressee's responsibility to provide this report to the appropriate design professionals, building officials, and contractors to ensure correct implementation of the recommendations.

The opinions, comments and conclusions presented in this report were based upon information derived from our field investigation and laboratory testing. Conditions between or beyond our borings may vary from those encountered. Such variations may result in changes to our recommendations and possibly variations in project costs. Should any additional information become available, or should there be changes in the proposed scope of work as outlined above, then we should be supplied with that information so as to make any necessary changes to our opinions and recommendations. Such changes may require additional investigation or analyses, and hence additional costs may be incurred.

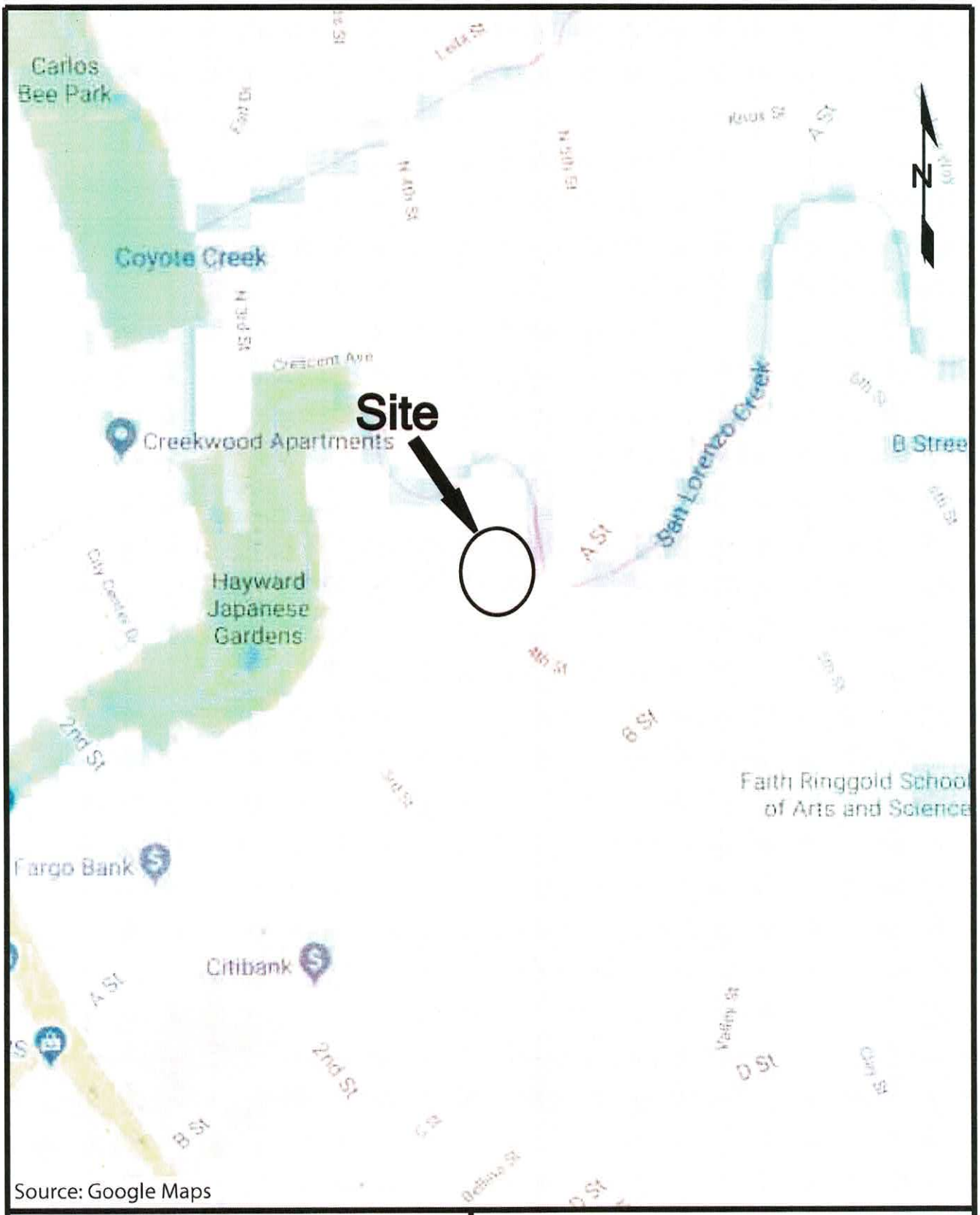
Our work has been conducted in general conformance with the standard of care in the field of geotechnical engineering currently in practice in the San Francisco Bay Area for projects of this nature and magnitude. We make no other warranty either expressed or implied. By utilizing the design recommendations within this report, the addressee acknowledges and accepts the risks and limitations of development at the site, as outlined within the report.

Respectfully Submitted;
GeoForensics, Inc.

Daniel F. Dyckman, PE, GE
Senior Geotechnical Engineer, GE 2145

Bernard A. Atendido
Field Engineer

cc: 5 to addressee



Source: Google Maps

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Figure 1 - Site Location

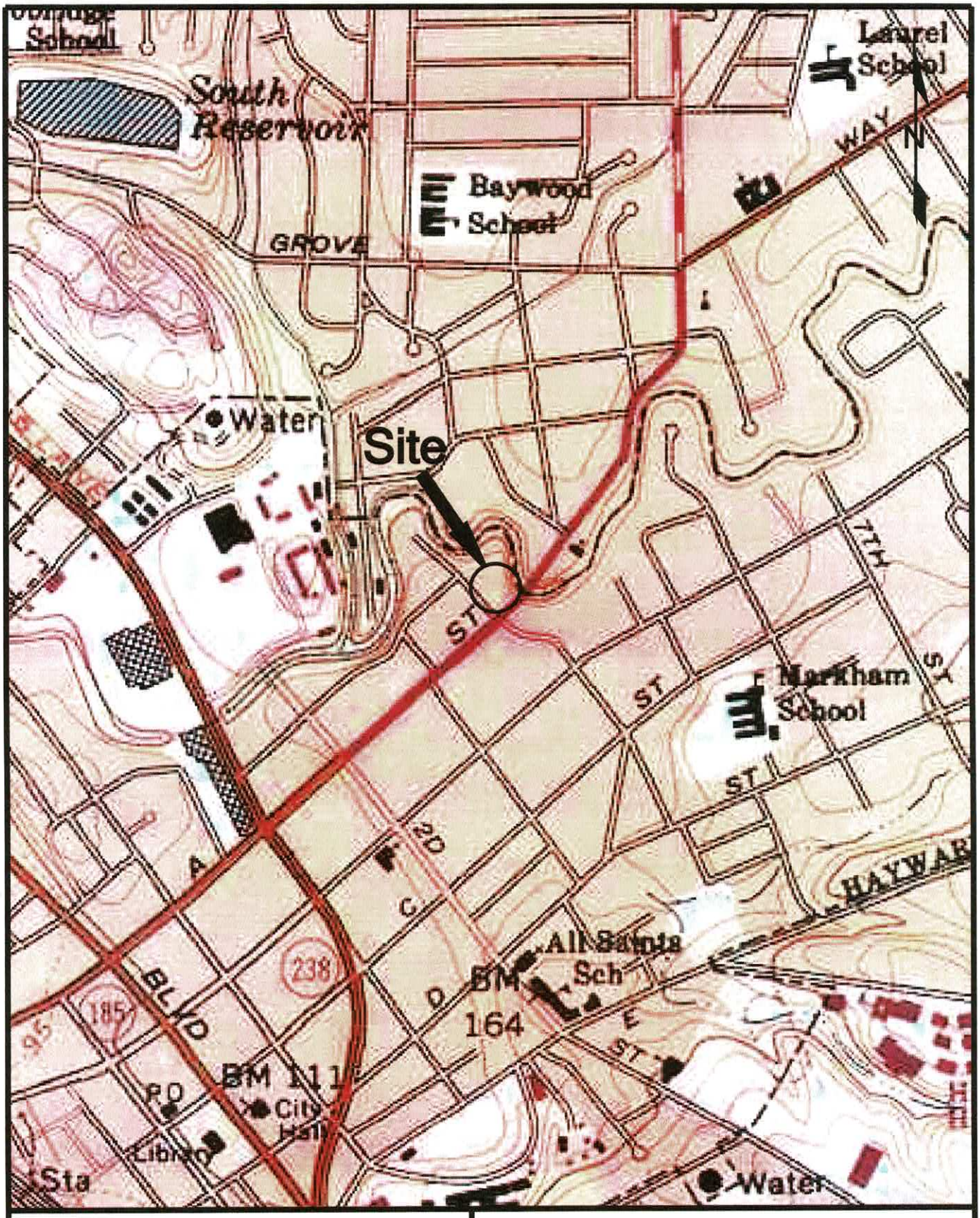

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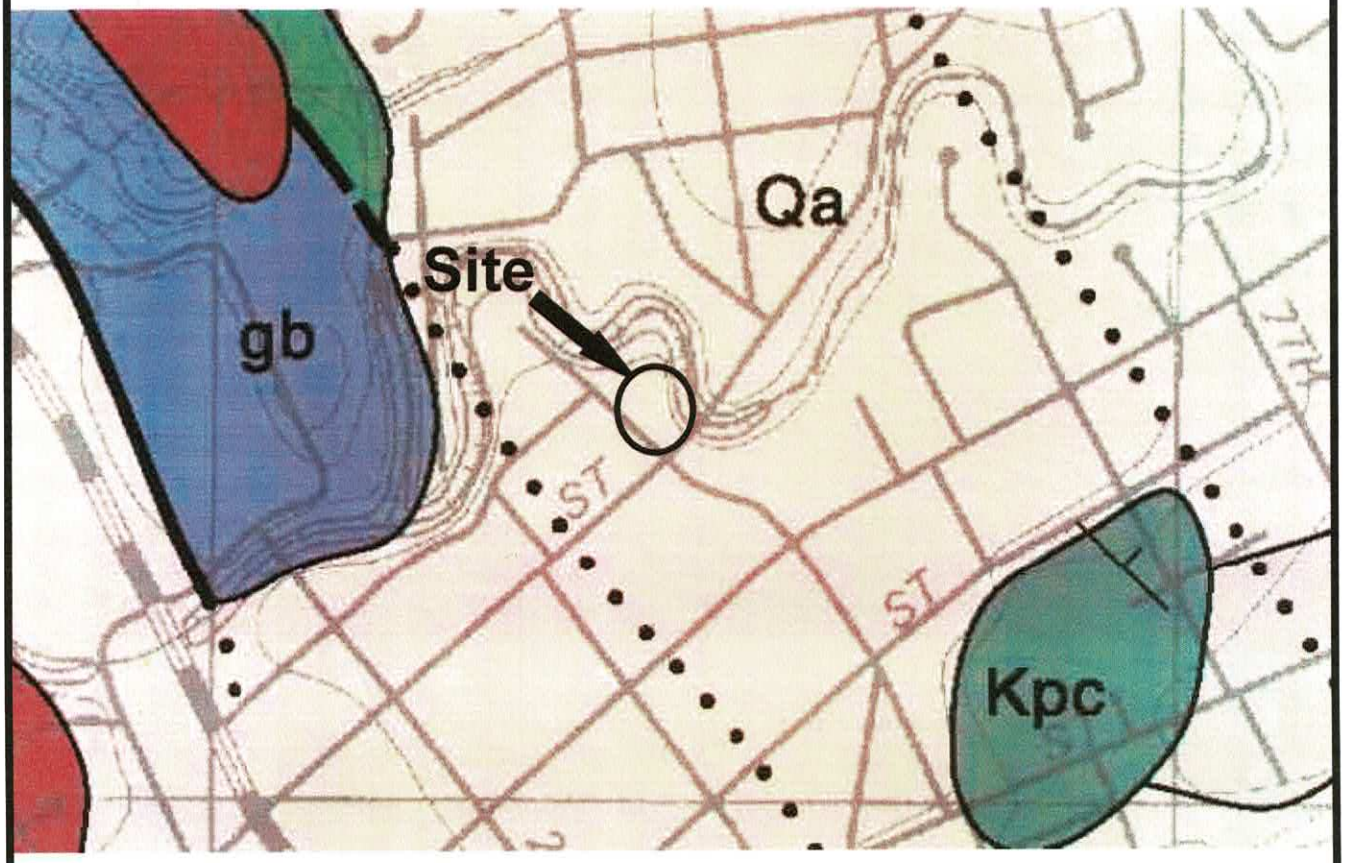
Figure 2 - Vicinity Topography



Qa - Surficial Sediments

Qa

Alluvial gravel, sand, and clay of valley areas, includes gravel and sand of major stream channels.

Source: Geology Map of the Hayward Quadrangle, Contra Costa and Alameda Counties, California: Dibblee Geologival Foundation, Dibblee Foundation Map DF-163. Thomas W. Dibblee, Jr., edited by John A. Minch (2005)

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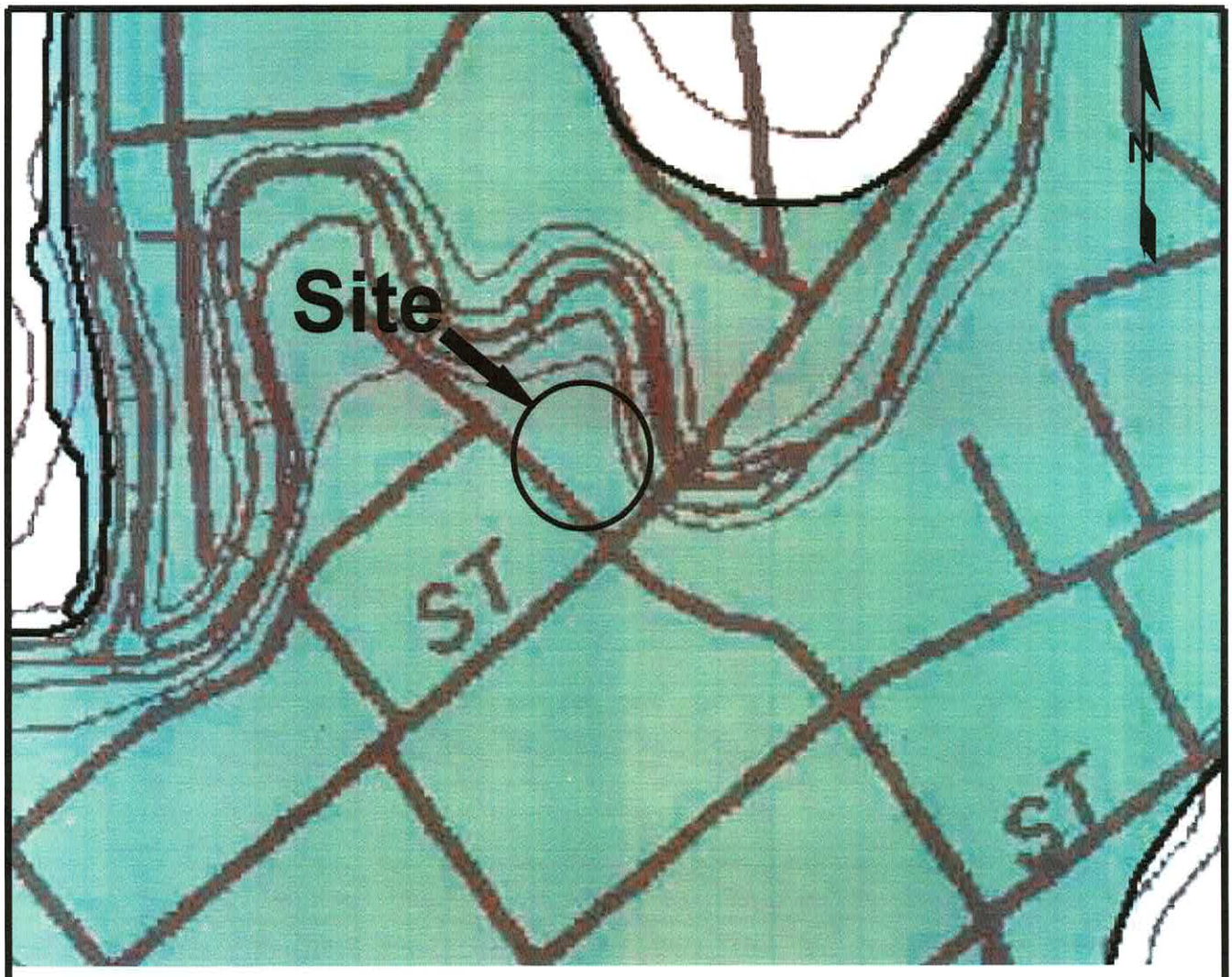
Figure 3 - Geologic Map



MAP EXPLANATION

Zones of Required Investigation:

Liquefaction

Areas where historic occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

Earthquake-Induced Landslides

Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

NOTE: Seismic Hazard Zones identified on this map may include developed land where delineated hazards have already been mitigated to city or county standards. Check with your local building/planning department for information regarding the location of such mitigated areas.

State of California Seismic Hazards Zones; Hayward Quadrangle Official Map
Released: July 2, 2003

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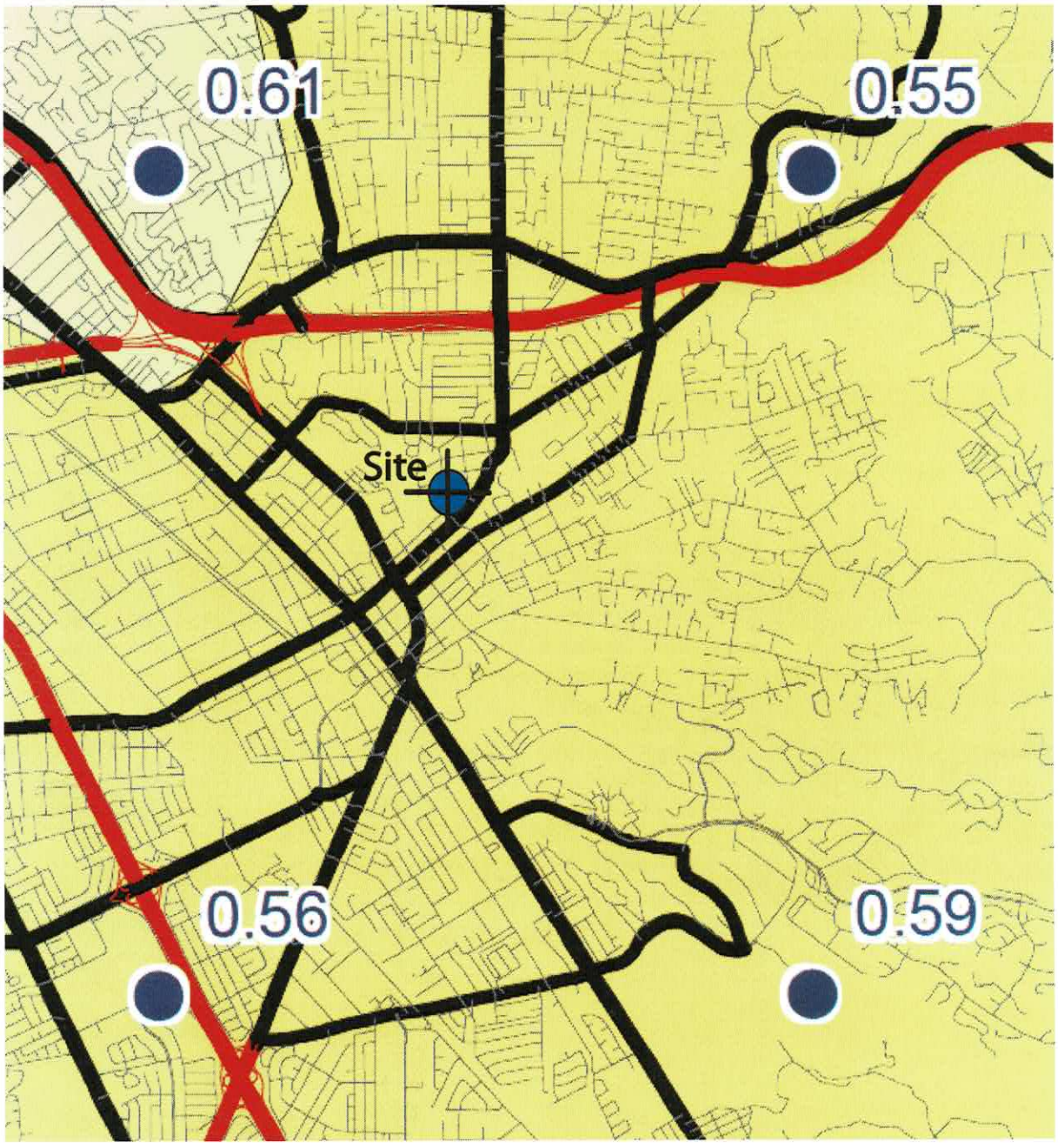
Figure 3a - Seismic Hazards Map



SEISMIC HAZARD EVALUATION OF THE HAYWARD QUADRANGLE
HAYWARD 7.5 MINUTE QUADRANGLE AND PORTIONS OF
ADJACENT QUADRANGLES

10% EXCEEDANCE IN 50 YEARS MAGNITUDE-WEIGHTED PSEUDO-PEAK ACCELERATION (g)
FOR ALLUVIUM

1998

LIQUEFACTION OPPORTUNITY

Figure 3.3

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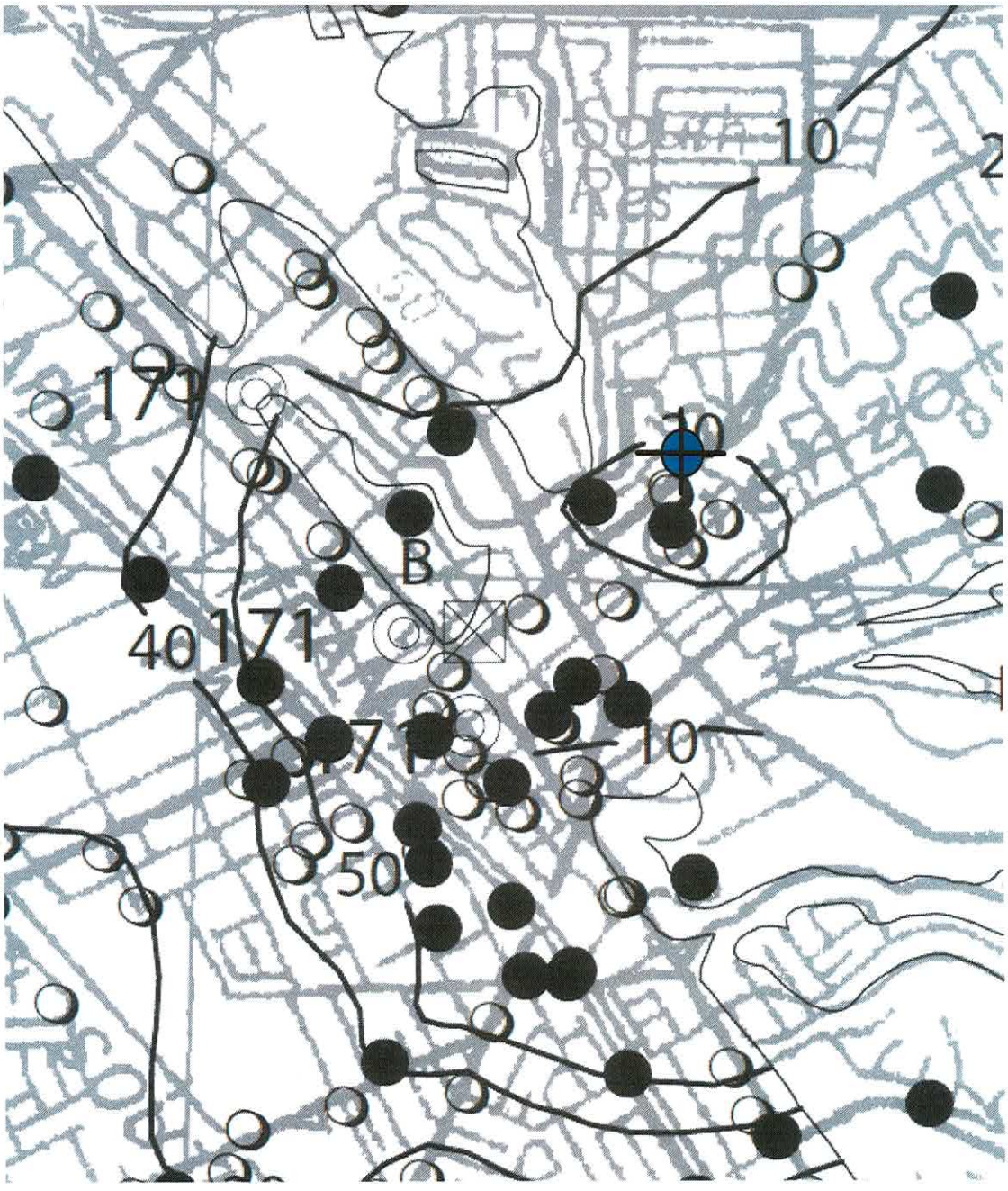
Figure 3C - Peak Ground Acceleration (Alluvium)



Water Body

10 Depth to ground water, in feet

Geotechnical borings used in liquefaction evaluation

Ground-water level data provided by the State Water Resources Control Board.

Base: Hayward Quadrangle Plate 1.2
Seismic Hazard Zone Report 111

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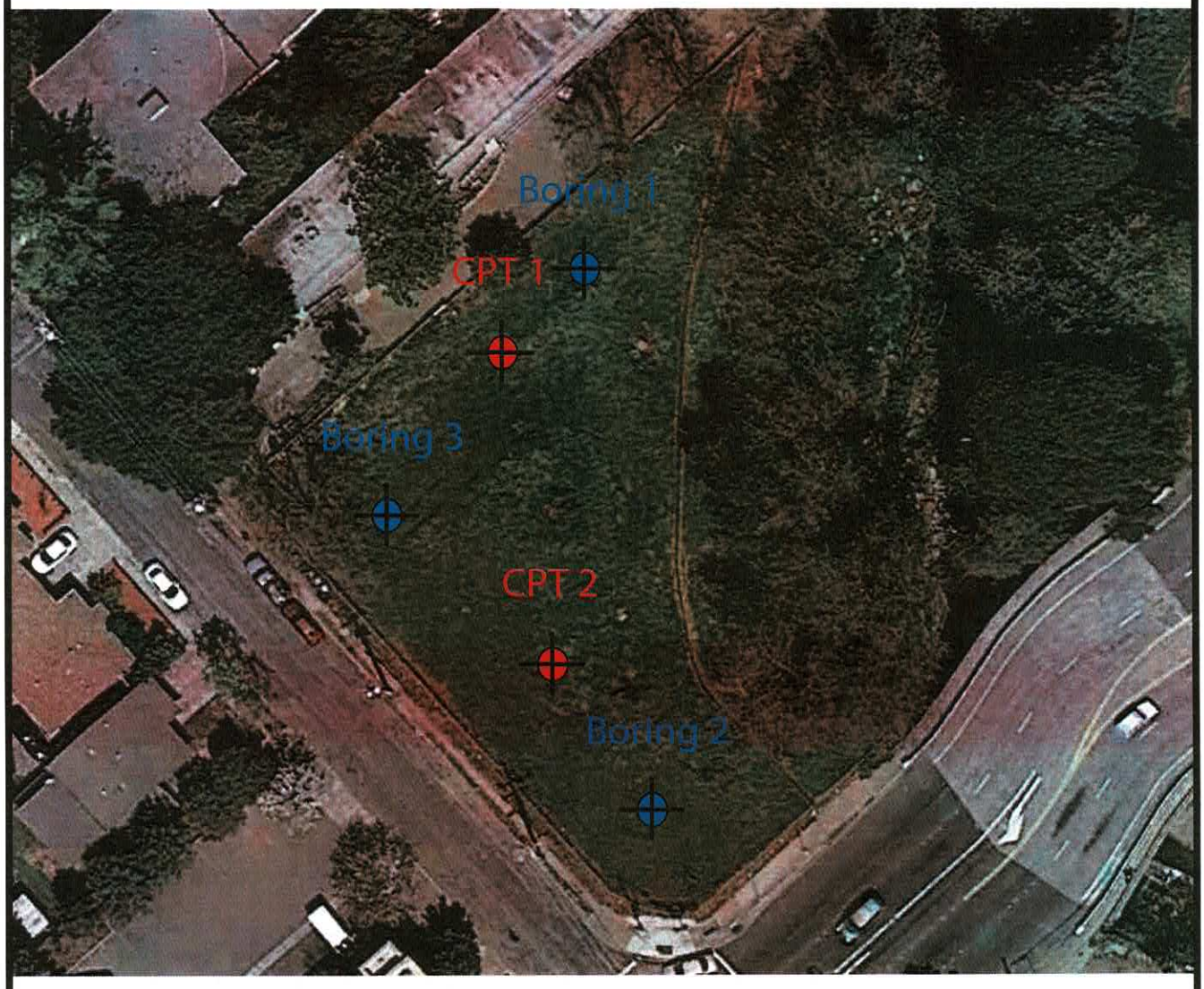
Figure 3D - Historic High Ground Water Depth



- Boring Locations
- CPT Locations

Base drawing provided by Google Maps
No Scale on this drawing

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Figure 4 - Site Photo with Approximate Boring and CPT Locations

CPT -1 Liquefaction Results

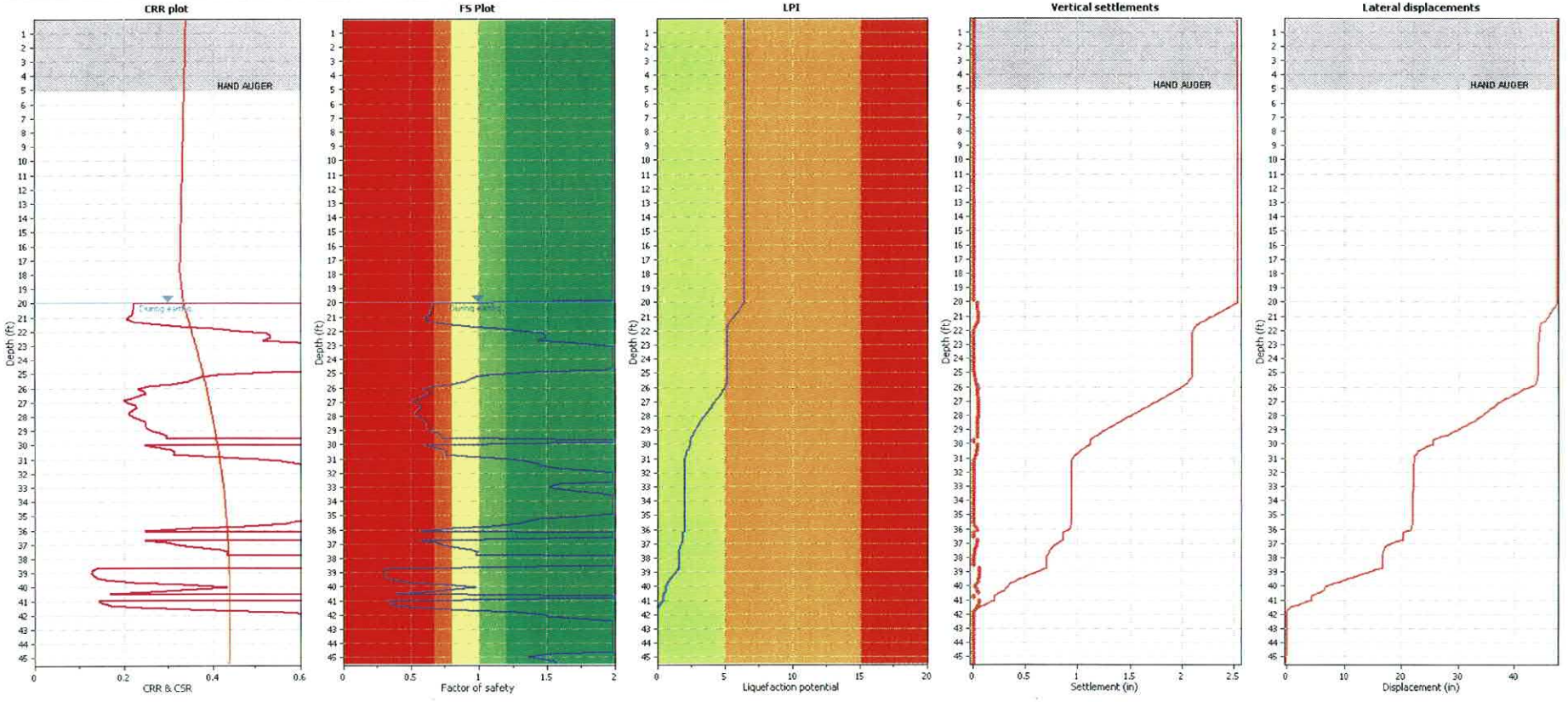

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Figure 5a - CPT1

CPT -2 Liquefaction Results

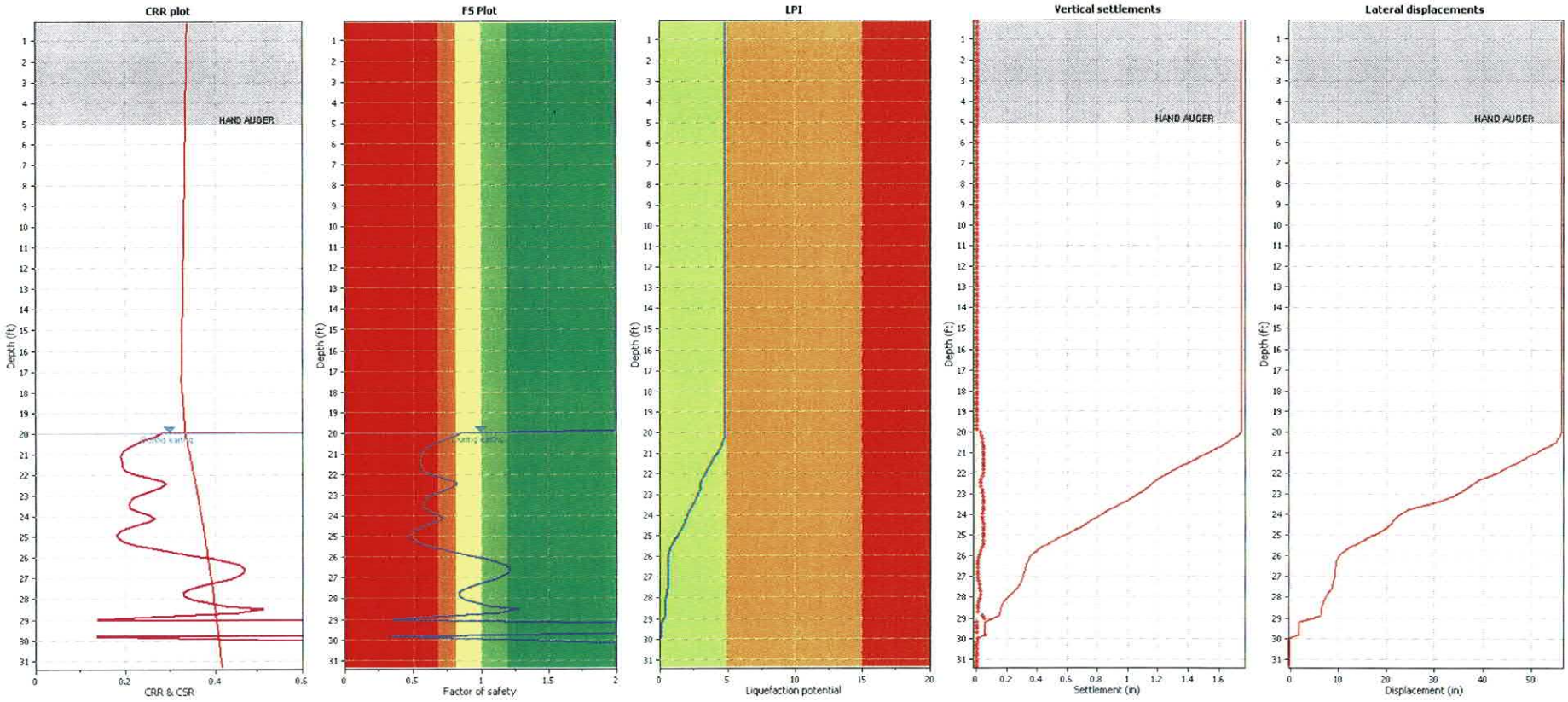

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Figure 5b - CPT2

APPENDIX A - BORING LOGS

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
5	1-1		15	silty CLAY with roots; dark brown; moist; stiff (CL)	-	-
10	1-2		18	silty fine SAND (near fine sandy SILT); orange brown; slightly moist; medium dense (SM)	97.6	11.8
				grades to		
15	1-3		21	fine sandy SILT (near silty fine SAND); tan and orange brown; slightly moist; stiff (ML)	114.0	13.1
				subrounded to rounded gravels at 19.5 feet		
20	1-4		31	silty gravelly SAND; red brown and green brown; dry to slightly moist; dense (SM)	-	7.1
25				**Drilling Refusal at 21.5 feet on cobble, sampled to 23 feet** **Drilling Refusal at 22.5 feet on cobbles, boring terminated**		
30				**Bottom of Boring at 23 feet** **No Groundwater encountered**		

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
No Groundwater encountered

Mod. Cal Sampler
SPT Sampler

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Figure A1 - Log of Boring 1

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
	2-1		5	silty CLAY with roots; dark brown; moist; soft (CL)	98.8	22.0
5						
	2-2		26	silty fine SAND (near fine sandy SILT); orange brown; slightly moist; medium dense (SM)	107.9	13.7
10				grades to		
	2-3		21	fine sandy SILT; orange brown; slightly moist; very stiff (ML)	116.3	13.9
15						
20						
	2-4		23	silty fine SAND (lightly cemented); tan and orange brown; slightly moist; medium dense (SM)	-	-
25						
30						
	2-5		50/6"	continued on next page		

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
Groundwater rose to 27 feet

Mod. Cal Sampler
SPT Sampler

GEOFORENSICS, INC.
303 Vintage Park Dr., Suite 220, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A2 - Log of Boring 2 (pg 1 of 2)

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
	2-5		50/6"	silty gravelly SAND; greenish gray and red brown; moist; very dense (SM)	129.0	11.3

Bottom of Boring at 31.5 feet

Groundwater first encountered at 29 feet
Groundwater rose to 27 feet by end of sampling

Logged by: BA
Job# 219036
Drilled on 2/19/19

B-24 Truck Mounted Drilling Rig
140 Pound Hammer
Groundwater rose to 27 feet

Mod. Cal Sampler

SPT Sampler

GEOFORENSICS, INC.
303 Vintage Park Dr., Suite 220, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A2 - Log of Boring 2 (pg 2 of 2)

LOG OF BORING

DEPTH (ft)	SAMPLE NUMBER	SAMPLE LOC.	BLOW COUNTS (12 inches)	MATERIAL DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (70)
5	3-1		8	silty CLAY; dark brown; moist; firm (CL)	101.4	19.9
10	3-2		34	fine sandy SILT (near silty fine SAND); orange brown; slightly moist; very stiff (ML)	116.9	10.2
15				grades to		
	3-3		27	silty fine SAND; orange brown; slightly moist; medium dense (SM)	110.4	11.6
20				**Bottom of Boring at 17.5 feet**		
25				**No Groundwater encountered**		
30						

Logged by: BA
Job# 219036
Drilled on 2/19/19

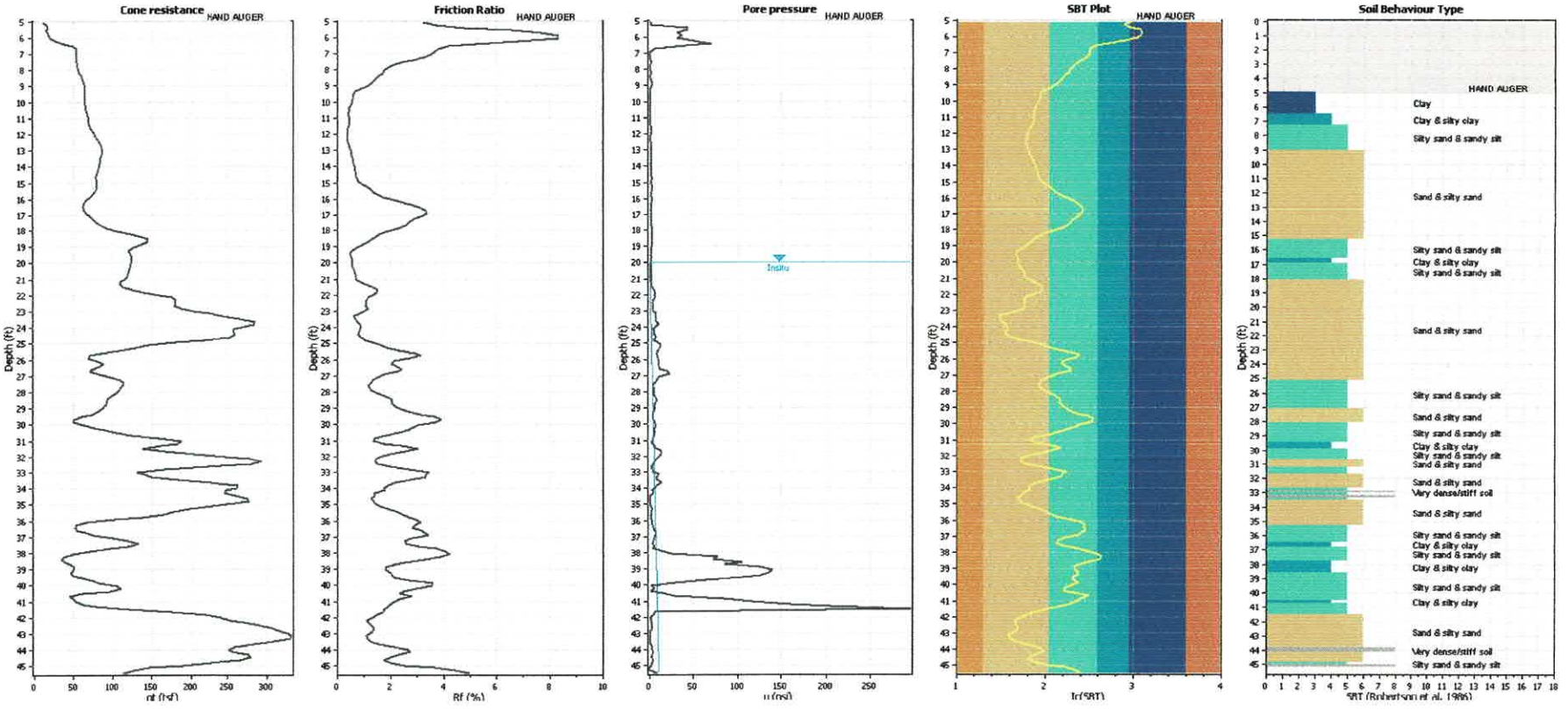
B-24 Truck Mounted Drilling Rig
140 Pound Hammer
No Groundwater encountered

Mod. Cal Sampler
SPT Sampler

GEOFORENSICS, INC.
303 Vintage Park Dr., Suite 220, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A3 - Log of Boring 3

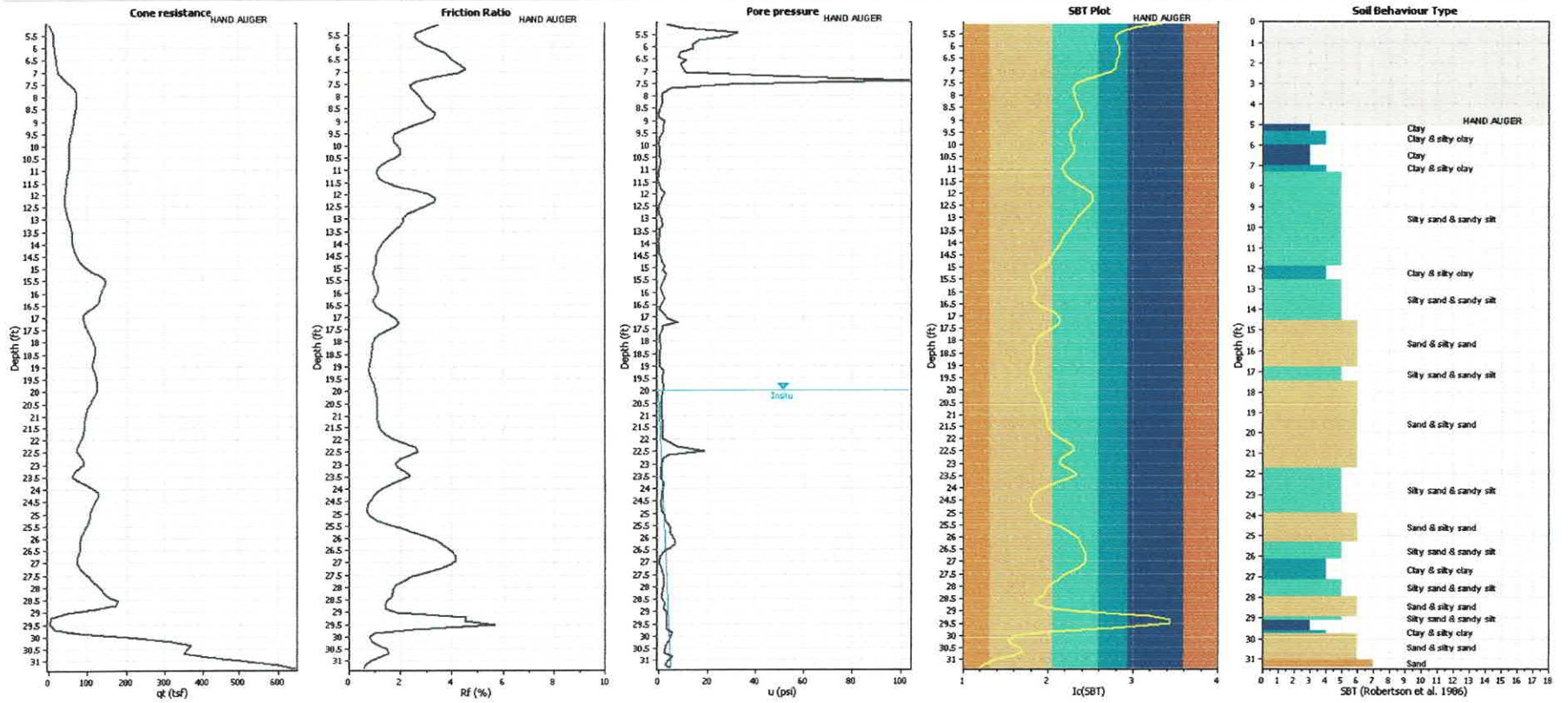
CPT -1 Log and Interpretation



GEOFORENSICS, INC.
561 Pilgrim Dr., Suite D, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A4 - CPT1

CPT -2 Log and Interpretation



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561 Pilgrim Dr., Suite D, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A5 - CPT2

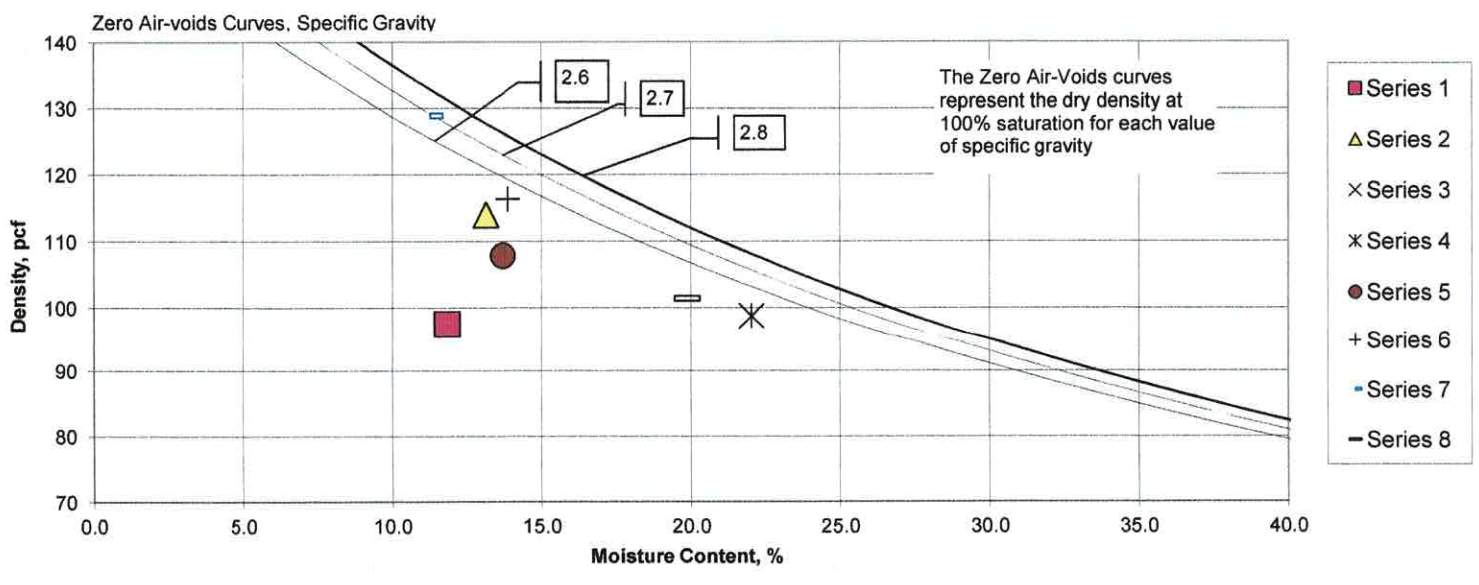
APPENDIX B - LABORATORY TEST RESULTS

Moisture-Density-Porosity Report
Cooper Testing Labs, Inc. (ASTM D7263b)

CTL Job No:	060-2718a	**Project No.**	219036	**By:**	RU
Client:	GeoForensics	**Date:**	03/22/19		
Project Name:	Rockaway	**Remarks:**			

Boring:	1-2	1-3	1-4	2-1	2-2	2-3	2-5	3-1
Sample:								
Depth, ft:	9	14	22.5	2	7	12	31	3
Visual Description:	Yellowish Brown Sandy SILT	Yellowish Brown Sandy SILT	Brown Silty SAND w/ Gravel	Dark Brown CLAY w/ Sand	Yellowish Brown Sandy CLAY	Yellowish Brown Sandy SILT	Light Olive Gray Silty SAND (Weathered Sandstone)	Dark Brown Sandy CLAY
Actual G_s								
Assumed G_s	2.70	2.70		2.70	2.70	2.70	2.70	2.70
Moisture, %	11.8	13.1	7.1	22.0	13.7	13.9	11.3	19.9
Wet Unit wt, pcf	109.1	129.0		120.5	122.6	132.5	143.5	121.6
Dry Unit wt, pcf	97.6	114.0		98.8	107.9	116.3	129.0	101.4
Dry Bulk Dens.ρb, (g/cc)	1.56	1.83		1.58	1.73	1.86	2.07	1.62
Saturation, %	43.8	73.8		84.0	65.6	83.2	98.7	80.9
Total Porosity, %	42.2	32.4		41.4	36.0	31.0	23.6	39.9
Volumetric Water Cont,Θw,%	18.5	23.9		34.8	23.6	25.8	23.2	32.3
Volumetric Air Cont., Θa,%	23.7	8.5		6.6	12.4	5.2	0.3	7.6
Void Ratio	0.73	0.48		0.71	0.56	0.45	0.31	0.66
Series	1	2	3	4	5	6	7	8

Note: All reported parameters are from the as-received sample condition unless otherwise noted. If an assumed specific gravity (Gs) was used then the saturation, porosities, and void ratio should be considered approximate.



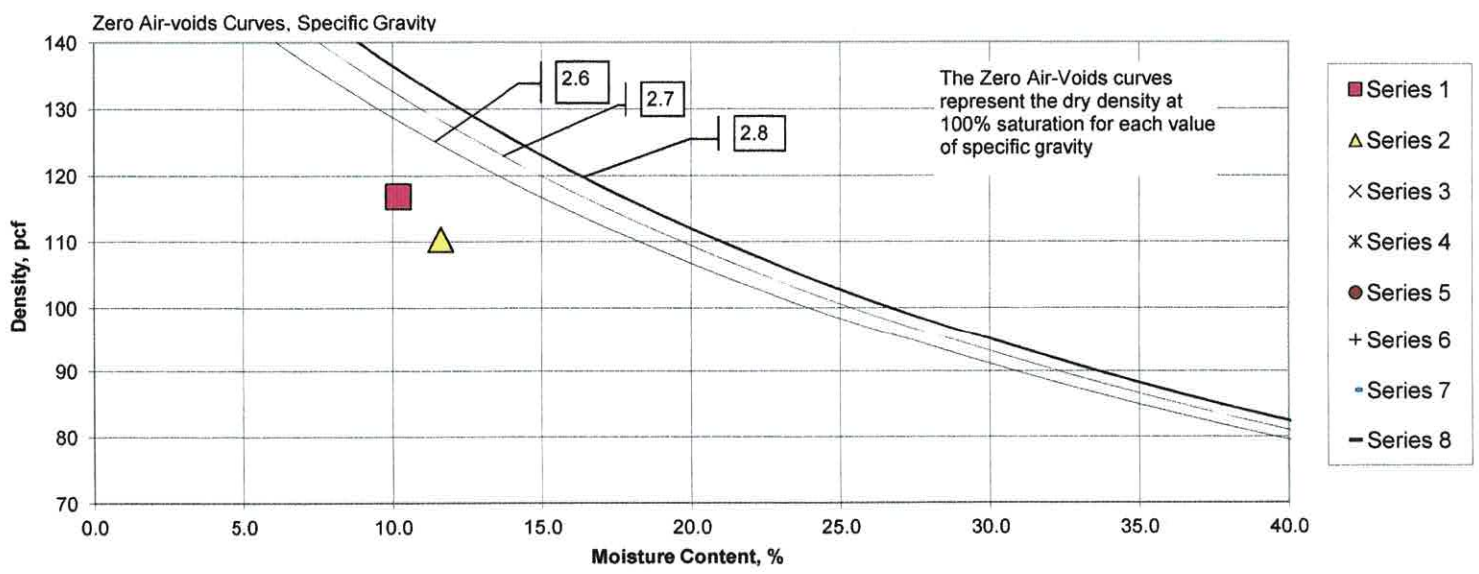
Moisture-Density-Porosity Report
Cooper Testing Labs, Inc. (ASTM D7263b)

CTL Job No:	060-2718b	**Project No.**	219036	**By:**	RU
Client:	GeoForensics	**Date:**	03/22/19		
Project Name:	Rockaway	**Remarks:**			

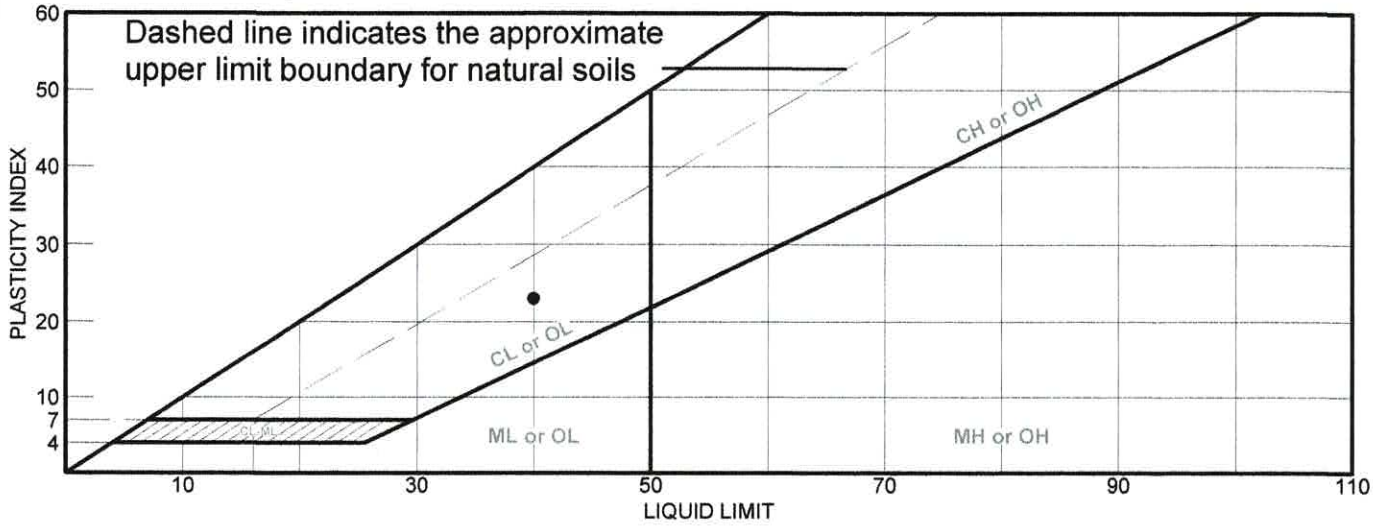
Boring:	3-2	3-3						
Sample:								
Depth, ft:	10	17						
Visual Description:	Yellowish Brown Sandy SILT	Yellowish Brown Sandy SILT						
Actual G_s								
Assumed G_s	2.70	2.70						
Moisture, %	10.2	11.6						
Wet Unit wt, pcf	128.8	123.2						
Dry Unit wt, pcf	116.9	110.4						
Dry Bulk Dens.ρb, (g/cc)	1.87	1.77						
Saturation, %	62.1	59.3						
Total Porosity, %	30.7	34.5						
Volumetric Water Cont,Θw,%	19.1	20.5						
Volumetric Air Cont., Θa,%	11.6	14.1						
Void Ratio	0.44	0.53						
Series	1	2	3	4	5	6	7	8

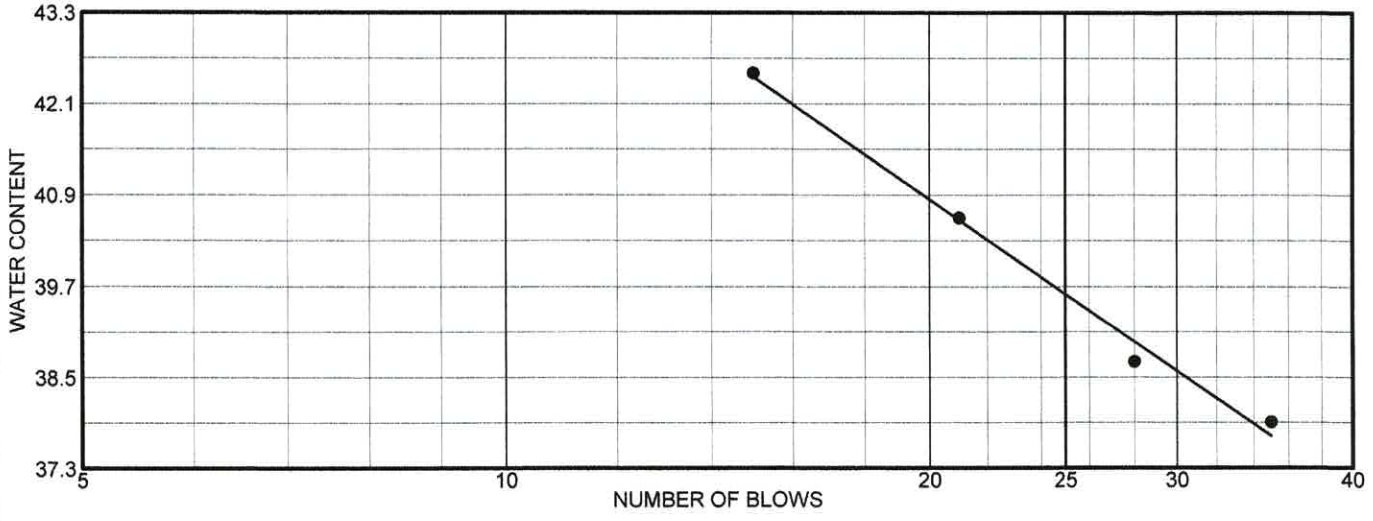
Note: All reported parameters are from the as-received sample condition unless otherwise noted. If an assumed specific gravity (Gs) was used then the saturation, porosities, and void ratio should be considered approximate.

Moisture-Density



LIQUID AND PLASTIC LIMITS TEST REPORT





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Brown Lean CLAY	40	17	23			
■	Brown SAND w/ Silt		NP	NP			

Project No. 060-2718 **Client:** GeoForensics

Project: Rockaway - 219036

● **Source:** 1-1 **Elev./Depth:** 4'

■ **Source:** 2-4 **Elev./Depth:** 22'

Remarks:

●

■ Could not roll out. Sample slides in bowl. Non-plastic.

LIQUID AND PLASTIC LIMITS TEST REPORT

COOPER TESTING LABORATORY

Figure

APPENDIX F

OTHER SUPPORTING DOCUMENTATION

For Assessment Use Only

ASSESSOR'S MAP 415

230 Scale: 1"=100'

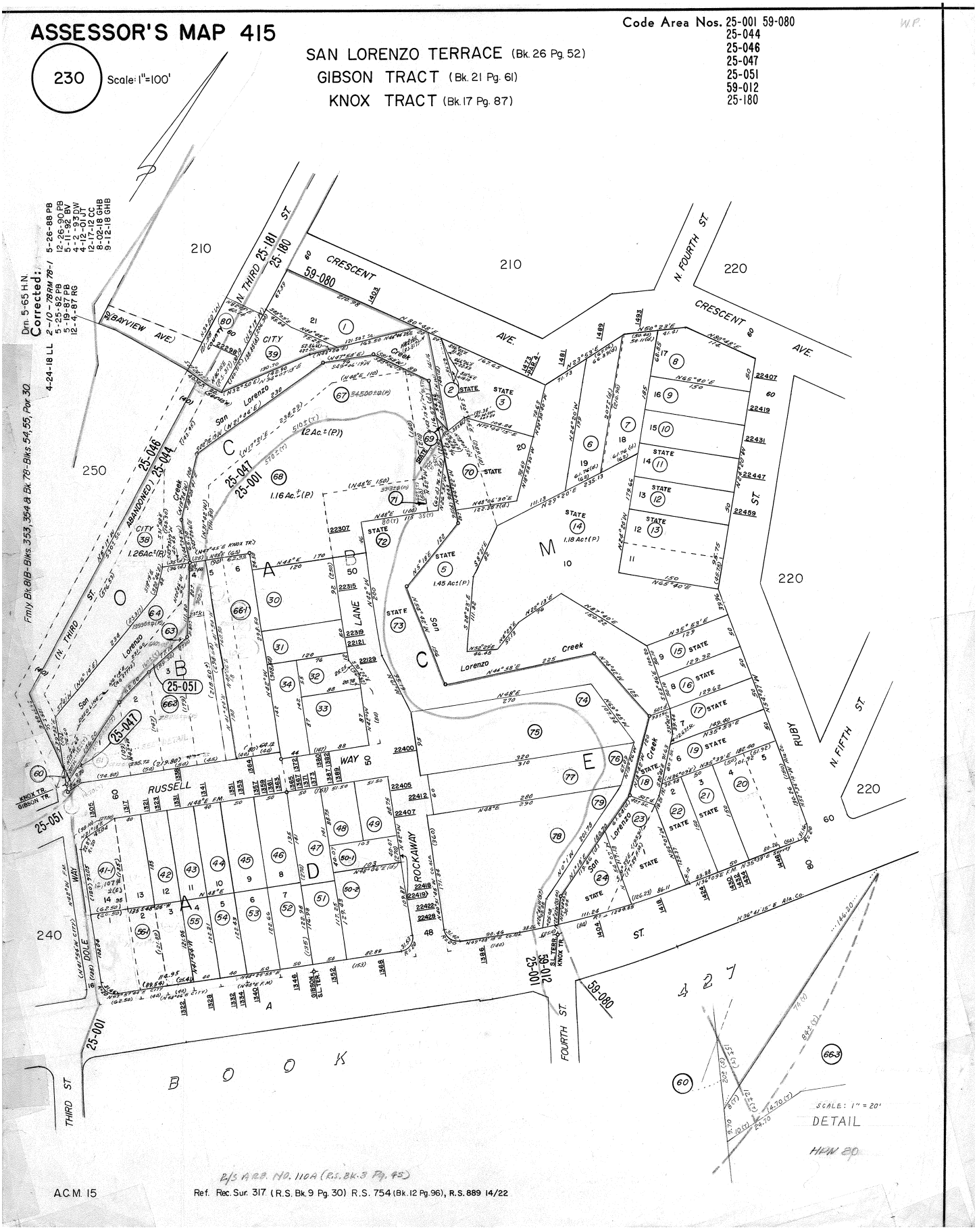
SAN LORENZO TERRACE (Bk. 26 Pg. 52)
GIBSON TRACT (Bk. 21 Pg. 61)
KNOX TRACT (Bk. 17 Pg. 87)

Code Area Nos. 25-001 59-080
25-044
25-046
25-047
25-051
59-012
25-180

W.P.

Drn. 5-65 H.N.
Corrected:
4-24-18 LL 2-10-78 RM 78-1
5-25-82 PB
5-19-87 PB
12-4-87 RG
5-26-88 PB
12-26-90 PB
5-1-92 BV
4-2-93 DW
4-12-01 JT
12-17-12 CC
8-02-18 GHB
9-12-18 GHB

Fmly Blk. 81B-Blks. 353, 354 & Blk. 78-Blks. 54, 55, Por. 30



P/S A.R.B. NO. 110A (R.S. Bk. 3 Pg. 45)

A.C.M. 15

Ref. Rec. Sur. 317 (R.S. Bk. 9 Pg. 30) R.S. 754 (Bk. 12 Pg. 96), R.S. 889 14/22

HAYWARD

WATER QUALITY REPORT

2018

OUR DRINKING WATER

The City of Hayward is pleased to present the 2018 Water Quality Report (Consumer Confidence Report) to inform water customers about where Hayward drinking water comes from, how it is treated, the results of water quality monitoring, and other important information regarding water quality.

The City of Hayward purchases all of its drinking water from the San Francisco Public Utilities Commission (SFPUC). The results of the water quality monitoring performed by the SFPUC and the City of Hayward confirm that water delivered to Hayward water customers met all state and federal standards. Important information regarding any contaminants that were detected in the drinking water in 2018 can be found in this report.

Drinking Water Sources & Treatment

The Hetch Hetchy watershed, an area located in the Yosemite National Park, provides the majority of water delivered by the SFPUC to Hayward. Spring snowmelt runs down the Tuolumne River and is stored in the Hetch Hetchy Reservoir. The well-protected Sierra water source is exempt from filtration requirements by the United States Environmental Protection Agency (USEPA) and the State Water Resources Control Board's Division of Drinking Water (SWRCB-DDW). SFPUC provides the water from the Hetch Hetchy Reservoir following treatment to meet the appropriate drinking water standards for consumption: ultraviolet light and chlorine disinfection, pH adjustment for optimum corrosion control, fluoridation for dental health protection, and chloramination for maintaining disinfectant residual and minimizing the formation of regulated disinfection byproducts.

The Hetch Hetchy water is supplemented with some surface water from local watersheds and upcountry non-Hetch Hetchy sources (UNHHS). Rainfall and runoff from the 35,000-acre Alameda Watershed and Tuolumne River are collected in Calaveras Reservoir and San Antonio Reservoir before delivery to the Sunol Valley Water Treatment Plant (SVWTP). Rainfall and runoff from the 23,000-acre Peninsula Watershed are stored in Crystal Springs Reservoir, San Andreas Reservoir and Pilarcitos Reservoir, and are delivered to the Harry Tracy Water Treatment Plant. In 2018, the UNHHS was not used. Water at the two treatment plants is subject to filtration, disinfection, fluoridation, optimum corrosion control, and taste and odor removal.

Watersheds Protection

Watershed sanitary surveys for the Hetch Hetchy source are conducted annually. For local water sources, including UNHHS, surveys are conducted every five years. The latest local sanitary survey was completed in 2016 for the period of 2011-2015. The last watershed sanitary survey for UNHHS was conducted in 2015 as part of the SFPUC's drought response plan efforts. These surveys evaluate the sanitary conditions, water quality, potential contamination sources and the results of watershed management activities. With support from partner agencies including the National Park Service and US Forest Service, these surveys identified wildlife, stock, and human activities as potential contamination sources. For a review of these reports, contact the SWRCB-DDW at (510) 620-3474.

Fluoridation and Dental Fluorosis

Mandated by State law, water fluoridation is a widely-accepted practice proven to be safe and effective for preventing and controlling tooth decay. The SFPUC's fluoride target level in the water is 0.7 milligram per liter (mg/L, or part per million, ppm), consistent with the May 2015 State regulatory guidance on optimal fluoride level. Infants fed formula mixed with water containing fluoride at this level may still have a chance of developing tiny white lines or streaks in their teeth. These marks are referred to as mild to very mild fluorosis, and are often only visible under a microscope. Even in cases where the marks are visible, they do not pose any health risk. The Centers of Disease Control (CDC) considers it safe to use optimally fluoridated water for preparing infant formula. To lessen this chance of dental fluorosis, you may choose to use low-fluoride bottled water to prepare infant formula. Nevertheless, children may still develop dental fluorosis due to fluoride intake from other sources such as food, toothpaste and dental products. Contact your healthcare provider or SWRCB-DDW if you have concerns about dental fluorosis. For additional information about fluoridation or oral health, visit the CDC website at **www.cdc.gov/flouridation.**

How do drinking water sources become polluted?

Sources of drinking water (both tap and bottled water) include rivers, lakes, oceans, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material. Water can pick up substances from the presence of animal or human activity. Such substances are called contaminants and may be present in source water as:

- **Microbial contaminants,** such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife
- **Inorganic contaminants,** such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife
- **Pesticides and herbicides** that may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses
- **Organic chemical contaminants,** including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application and septic systems
- **Radioactive contaminants,** which can be naturally occurring or be the result of oil and gas production and mining activities

USEPA and the SWRCB prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB regulations also establish limits for contaminants in bottled water to provide the same protection for public health.

Drinking Water & Lead

The City of Hayward regularly tests for lead in drinking water in compliance with the USEPA's Lead and Copper Rule (LCR), which requires water agencies to test for lead at customer taps every three years. If lead concentrations exceed the Regulatory Action Level (AL) of 15 parts per billion in more than 10% of customer taps sampled, the agency must take action to notify the public and reduce corrosion of lead within the distribution system. Since the LCR's inception in 1991, the City of Hayward has always been below the AL threshold for lead. The most recent lead sampling in Hayward was performed in 2016 and tested for lead in 59 residences. The overall results were below the AL.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Infants and young children are typically more vulnerable to lead in drinking water than the general population. You can minimize the potential for lead exposure, when your water has been sitting for several hours, by flushing your tap for 30 seconds to 2 minutes (or until the water temperature has changed) before using water for drinking or cooking. If you are concerned about lead levels in your water, you may wish to have your water tested. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the USEPA's Safe Drinking Water Hotline (800) 426-4791, or at **www.epa.gov/lead.**

In 2017, a new law passed that required water systems to test for lead in drinking water at all public K-12 school by July 1, 2019. The City of Hayward provides water to thirty-four public K-12 school sites. All public school sites in Hayward have been tested and sampling results have been below the AL for lead, with the exception of one school, where a single water fountain exceeded the standard. Corrective action was immediately taken to remove the non-conforming tap from service. Complete lead testing results are available online at **www.waterboards.ca.gov/leadsamplinginschools.**

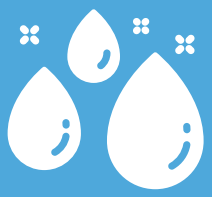
Who Should Seek Advice About Drinking Water?

Some people may be more vulnerable to contaminants in drinking water than the general population. Elderly, infants, and people with immune system disorders are particularly at risk from infections. These individuals and their caretakers should seek advice about drinking water from their healthcare providers. The Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to reduce the risk of infection from Cryptosporidium and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline, (800) 426-4791, or at www.epa.gov/safewater.

Cryptosporidium and Giarda

Cryptosporidium is a parasitic microbe found in most surface water. We regularly test for this waterborne pathogen and found it at very low levels in source water and treated water in 2018. However, current test methods approved by the USEPA do not distinguish between dead organisms and those capable of causing disease. Ingestion of Cryptosporidium may produce symptoms of nausea, abdominal cramps, diarrhea, and associated headaches. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

WATER QUALITY DATA



The following are definitions of key terms referring to standards and goals of water quality noted on the data table on Page 5:

- **Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
- **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA.
- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs or MCLGs as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste, and appearance of drinking water.
- **Maximum Residual Disinfectant Level (MRDL):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Primary Drinking Water Standard (PDWS):** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
- **Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.
- **Turbidity:** A water clarity indicator that measures cloudiness of the water, and is also used to indicate the effectiveness of the filtration system. High turbidity can hinder the effectiveness of disinfectants.

The SFPUC's Water Quality Division (WQD) regularly collects and tests water samples from reservoirs and designated sampling points throughout the system to ensure the water delivered to you meets or exceeds federal and state drinking water standards. In 2018, WQD staff conducted more than 57,690 drinking water tests in the source, transmission, and distribution system. This is in addition to the extensive treatment process control monitoring performed by the SFPUC's certified operators and online instruments.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. In order to ensure that tap water is safe to drink, the USEPA and SWRCB-DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

City of Hayward - Water Quality Data for Year 2018 [1]

Detected Contaminants	Unit	MCL	PHG or (MCLG)	Range or Level Found	Average or [Max]	Major Sources in Drinking Water
TURBIDITY						
Unfiltered Hetch Hetchy Water	NTU	5	N/A	0.3 - 0.8 [2]	[1.8]	Soil runoff
Filtered Water from Sunol Valley Water Treatment Plant (SVWTP)	NTU	1 [3]	N/A	-	[1]	Soil runoff
	-	Min 95% of samples ≤ 0.3 NTU [3]	N/A	99.96% - 100%	-	Soil runoff
Filtered Water from Harry Tracy Water Treatment Plant (HTWTP)	NTU	1 [3]	N/A	-	[0.07]	Soil runoff
	-	Min 95% of samples ≤ 0.3 NTU [3]	N/A	100%	-	Soil runoff
DISINFECTION BYPRODUCTS AND PRECURSOR						
Total Trihalomethanes	ppb	80	N/A	36.0 - 78.0	50.0 [4]	Byproduct of drinking water disinfection
Haloacetic Acids	ppb	60	N/A	24.0 - 49.0	32.9 [4]	Byproduct of drinking water disinfection
Total Organic Carbon [5]	ppm	TT	N/A	1.2 - 2.9	2.2	Various natural and man-made sources
MICROBIOLOGICAL						
Total Coliform [6]	-	NoP ≤ 5.0% of monthly samples	(0)	-	< 5.0%	Naturally present in the environment
Giardia lamblia	cyst/L	TT	(0)	0 - 0.24	0.03	Naturally present in the environment
INORGANICS						
Fluoride (source water) [7]	ppm	2.0	1	ND - 0.7	0.3 [8]	Erosion of natural deposits; water additive to promote strong teeth
Chloramine (as chlorine)	ppm	MRDL = 4.0	MRDLG = 4	0.1 - 3.8	2.5 [9]	Drinking water disinfectant added for treatment

Constituents with Secondary Standards	Unit	SMCL	PHG	Range	Average	Major Sources of Contaminant
Chloride	ppm	500	N/A	<3 - 17	8.9	Runoff / leaching from natural deposits
Color	unit	15	N/A	<5 - 7	<5	Naturally-occurring organic materials
Specific Conductance	µS/cm	1600	N/A	29 - 221	154	Substances that form ions when in water
Sulfate	ppm	500	N/A	0.9 - 29	16	Runoff / leaching from natural deposits
Total Dissolved Solids	ppm	1000	N/A	<20 - 144	82	Runoff / leaching from natural deposits
Turbidity	NTU	5	N/A	ND - 0.3	0.1	Soil runoff

Lead & Copper	Unit	AL	PHG	Range	90th Percentile	Major Sources in Drinking Water
Copper	ppb	1300	300	1.1 - 906 [10]	56.6	Internal corrosion of household water plumbing systems
Lead	ppb	15	0.2	<1.0 - 32.1 [10]	2.3	Internal corrosion of household water plumbing systems

Other Water Quality Parameters	Unit	ORL	Range	Average
Alkalinity (as $CaCO_3$)	ppm	N/A	<3 - 132	51
Boron	ppb	1000 (NL)	ND - 104	ND
Bromide	ppb	N/A	<5 - 27	7
Calcium (as Ca)	ppm	N/A	2.9 - 18	11
Chlorate [11]	ppb	800 (NL)	42 - 230	124
Chromium (VI) [12]	ppb	NA	0.031 - 0.1	0.068
Hardness (as $CaCO_3$)	ppm	N/A	15 - 68	47
Magnesium	ppm	N/A	<0.2 - 6.2	4.0
pH	-	N/A	8.6 - 9.8	9.4
Potassium	ppm	N/A	0.2 - 1.0	0.6
Silica	ppm	N/A	2.8 - 7.1	5.0
Sodium	ppm	N/A	2.3 - 20	14
Strontium	ppb	N/A	12 - 199	99

KEY:	
< / ≤	= less than / less than or equal to
AL	= Action Level
Max	= Maximum
Min	= Minimum
N/A	= Not Available
ND	= Non-detect
NL	= Notification Level
NoP	= Number of Coliform-Positive Sample
NTU	= Nephelometric Turbidity Unit
ORL	= Other Regulatory Level
ppb	= part per billion
ppm	= part per million
µS/cr	= microSiemens/centimeter

Footnotes:

(1) All results met State and Federal drinking water health standards.
(2) These are monthly average turbidity values measured every 4 hours daily.
(3) There is no turbidity MCL for filtered water. The limits are based on the TT requirements for filtration systems.
(4) This is the highest locational running annual average value.
(5) Total organic carbon is a precursor for disinfection byproduct formation. The TT requirement applies to the filtered water from the SVWTP only.
(6) Percent of monthly samples that are positive in Hayward tap water. There was no E. Coli positive samples collected in 2018.
(7) In May 2015, the SWRCB recommended an optimal fluoride level of 0.7 ppm be maintained in the treated water. In 2018, the range and average of the fluoride levels were 0.6 ppm to 1.0 ppm and 0.7 ppm, respectively.
(8) The natural fluoride level in the Hetch Hetchy supply was ND. Elevated fluoride levels in the SVWTP and HTWTP raw water are attributed to the transfer of fluoridated Hetch Hetchy water into the local reservoirs.
(9) This is the highest running annual average value.
(10) The 90th percentile level of lead and copper must be less than the action level. The most recent Lead and Copper Rule monitoring was in 2016. In 2016, 0 of 59 sampled residences exceeded the Action Level at customer taps for copper, and 2 out of 59 sampled exceeded the Action Level at customer taps for lead.
(11) The detected chlorate in the treated water is a degradation product of sodium hypochlorite used by the SFPUC for water disinfection.
(12) Chromium (VI) has a PHG of 0.02 ppb but no MCL. The previous MCL of 10 ppb was withdrawn by the SWRCB-DDW on September 11, 2017. Currently, the SWRCB-DDW regulates all chromium through a MCL of 50 ppb for Total Chromium, which was not detected in our water in 2018.

WATER CONSERVATION & SUSTAINABILITY

The City of Hayward believes water is one of our most precious resources and is dedicated to water conservation. In effort to assist our residents and businesses to conserve water, the City of Hayward offers the following water conservation programs:

- **Free low-flow water fixtures:** Pick up low-flow faucet aerators and showerheads at our office at Hayward City Hall, 777 B Street, from 8 AM to 5 PM, Monday to Friday. These water fixtures are provided at no cost to residents.
- **Rebate programs:** The City of Hayward offers a variety of rebate programs to encourage water conservation, including lawn conversions, high-efficiency toilets, and rain barrels. For more information and to learn how to apply for rebates, visit our website at **www.hayward-ca.gov/water-conservation.**
- **Free sustainability-focused landscaping classes:** Every spring and fall, the City of Hayward hosts free landscaping classes at City Hall. Classes have previously provided instruction and materials for sustainable garden design, lawn conversion, water-efficient irrigation systems, and composting! For more information on upcoming classes, visit **www.bawsca.org/classes.** To be on the email list for notifications of upcoming classes in Hayward, email utilities.administration@hayward-ca.gov with your request.
- **EarthCapades:** The City of Hayward offers school assemblies, free-of-charge, to schools to increase student awareness of water conversation. EarthCapades performances combine age-appropriate state science standards with circus skills, juggling, music, storytelling, comedy, and audience participation to teach environmental awareness, water science and conservation.
- **WaterWise School Education Program:** Through this program, "water conservation kits" are distributed to 5th grade students to empower them to install water-saving devices and perform a water audit in their home. The kit includes high-efficiency shower heads, low-flow faucet aerators, an energy cost calculator, a flow rate test bags, a toilet leak detection kit, and more. The water conservation curriculum can be easily implemented by teachers and includes methods to quantify the water savings as a result of taking the actions in the curriculum.

Hayward City Council is the governing authority of the Hayward Water System. City Council meets the first, third, and fourth Tuesday every month at 7 PM at Hayward City Hall, 777 B Street. The SFPUC is the governing authority of the wholesale water system that supplies water to Hayward. SFPUC meets on the second and fourth Tuesdays of the month at 1:30 PM at San Francisco City Hall, Room 400. The public is invited to participate in these meetings.

If you would like more information regarding the City of Hayward Water Distribution system, or would like to contact our office, please contact:

City of Hayward, Public Works & Utilities
777 B Street
Hayward, CA 94541
(510) 583-4700
utilities.administration@hayward-ca.gov

We also provide additional information on our website at **www.hayward-ca.gov/ues.**

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

此份水質報告，內有重要資訊。請找他人為你翻譯和解說清楚。

このレポートには、飲料水に関する重要な情報が含まれています。 通訳を依頼するか、これを理解している人に相談してください。

Báo cáo này chứa đựng tin tức quan trọng về nước uống của quý vị . Xin phiên dịch ra , hay nói chuyện với người hiểu vấn đề này.

इस रिपोर्ट में आपके पीने के पानी के बारे में महत्वपूर्ण जानकारी दी गई है । इसका अनुवाद करें , या जो कोई इसे समझते हों उनसे बात करें

APPENDIX G

QUALIFICATIONS

D. Edward MacDaniel - Associate Consultant

Indiana University, Bloomington, Indiana, BS Geology, May 1988

Mr. MacDaniel has more than 18 years experience conducting Phase I and II Environmental Site Assessments of commercial, industrial and multi-family residential properties throughout the United States for a wide range of clients. He has also managed environmental planning, permit requirements, design, and field activities associated with underground storage tank installations, monitoring and removals, soil and groundwater remediation projects, and wetlands mitigation projects.

Project experience for Mr. MacDaniel includes:

- Phase I Environmental Site Assessments - Served as Project Manager for numerous Phase I assessments to satisfy due diligence investigations for real estate transactions for banks, insurance companies, real estate investment companies, developers, property owners, law firms, and real estate holding companies. Several of these due diligence investigations were performed as part of major mergers and acquisitions and foreclosure proceedings. . These investigations were performed on time and within budget. A number of the Phase I investigations progressed to fast track Phase II Environmental Site Assessments; the performance of these Phase II investigations was expedited to not interfere with the deadlines for the mergers and acquisitions.
- NEPA/CEQA Investigations ☐ Served as Project Manager for NEPA/CEQA Investigations for Telecommunications Clients to determine potential impacts to the environment or to historical artifacts associated with various projects. Also performed, as needed, geotechnical assessments and soil resistivity testing of proposed wireless communications sites. Several projects involved subsequent investigations related to asbestos-containing materials (ACMs) and hazardous materials to determine potential health and safety impacts for workers involved in the construction of the projects.
- Property Management Company - Conducted several annual hazardous materials and wastes audits of industrial and warehousing facilities to determine if materials were being used and stored properly and to determine if hazardous waste generated at the properties were being stored and disposed properly. Made recommendations for changes in business practices to improve storage, use, and disposal practices.
- Computer Industry - Performed Phase I Environmental Site Assessments as part of property transactions and in response to known environmental impacts. Subsequently, advanced soil borings and installed monitoring wells to assess extent of impacted soil and groundwater. Verified that impacts were minimal and the property transactions proceeded.
- Regional Utility District - Managed a Hazardous Materials Assessment (HMA) for a Regional Utility District as part of an Environmental Impact Statement being conducted for a proposed 17-mile water pipeline in Sacramento, California. Managed several other staff members in conducting a visual assessment of the

pipeline, determined which sites along the pipeline posed significant environmental concerns for the proposed pipeline, proposed subsurface investigations at the sites of concern, and prepared the report for the HMA.

As the Due Diligence Group Manager for a national environmental consulting firm, Mr. MacDaniel prepared scopes of work and proposals for various clients as part of due diligence investigations; the projects involved performing Phase I environmental site assessments and Phase II environmental site assessments, as appropriate. Additionally, for a number of regional and national environmental consulting firms, Mr. MacDaniel managed subsurface investigations and groundwater monitoring programs at various facilities in California. As part of the project management, Mr. MacDaniel assigned staff to perform the investigations, monitored progress of projects and project budget, requested additional funding for projects from clients for out of scope work and other cost overruns, prepared and reviewed reports for site investigations, prepared and reviewed invoices to be delivered to clients, and monitored the payment of the invoices by the clients. Additionally, Mr. MacDaniel conducted negotiations with regulatory agency personnel on behalf of clients regarding action levels and clean up levels for remediation projects and case closure requests.

Richard D. Fehler – National Client Manager

B.S. – Zoology, University of California, Davis

California Registered Environmental Assessor (REA I)

Mr. Fehler has over twenty-five years of environmental management experience gained as an environmental consultant; in the chemical manufacturing industry; in the hazardous waste management industry; and as an environmental regulator. He specializes in all aspects of environmental due diligence, regulatory compliance and negotiations, hazardous waste management, and auditing. Mr. Fehler has also received training in Greenhouse Gas and Sustainability Verification.

Mr. Fehler has served as project principal on hundreds of projects with wide-ranging scopes, including peer reviews and desktop reviews; due diligence on large portfolios (200 sites+), as well as single assets; investigation and management of lead, asbestos, mold, and *Legionella*; investigation, remediation and management of contamination in groundwater, soil and soil vapor; regulatory compliance and auditing; and representing clients with regulators to negotiate site closure/No Further Action and/or to develop effective remediation strategies and budgets.

Project experience for Mr. Fehler includes:

- Multiple Site Due Diligence - Managed and designed projects for many large portfolios (100-plus) of varied properties spread across various states. The scopes of work frequently include Indoor Air Quality/mold issues, lead-based paint, asbestos, and radon testing. The design of appropriate Phase II sampling is frequently required to resolve and close issues.

- Environmental Compliance Reviews – Designed and managed many environmental compliance audits for single or multiple assets. Project activities usually involve inspections, interviews, reviewing environmental permits, past environmental reports, standard operating procedures, material safety data sheets (MSDS), and other information related to regulatory compliance in the areas of hazardous materials, hazardous and non-hazardous waste management, workplace health & safety, air permitting and emission reporting, waste water permitting and monitoring, storm water management, underground storage tanks, and aboveground storage tanks.

- Regulatory Negotiation – Managed many Phase II investigations conducted in response to regulatory requirements or to resolve issues and/or to obtain case closure or No Further Action. Represented clients with regulators to negotiate appropriate scopes of work and move projects to successful completion.

APPENDIX H

LIST OF COMMONLY USED ABBREVIATIONS

UNITS

µg/L	Micrograms per Liter	**pCi/L**	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	**ppb**	Parts per Billion
mg/L	Milligrams per Liter	**ppm**	Parts per Million

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-Containing Material	**NESHAP**	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	**NFA**	No Further Action
AEI	AEI Consultants	**NFRAP**	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	**NLR**	No Longer Reporting
APN	Assessor's Parcel Number	**NOV**	Notice of Violation
AST	Aboveground Storage Tank	**NPL**	National Priorities List
AUL	Activity and Use Limitation	**O&M**	Operations and Maintenance
bgs	Below Ground Surface	**OEC**	Other Environmental Considerations
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes	**OSHA**	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	**PCB**	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	**PCE, PERC**	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	**RCRA**	Resource Conservation and Recovery Act
COC	Contaminant of Concern	**REC**	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	**RP**	Responsible Party
EC	Engineering Controls	**SDS**	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	**SEMS**	Superfund Enterprise Management System
EPA	Environmental Protection Agency	**SF**	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	**SP**	Subject Property
ERNS	Emergency Response Notification System	**SQG**	Small Quantity Generator
ESA	Environmental Site Assessment	**SWLF**	Solid Waste Landfill
GPR	Ground-Penetrating Radar	**SVOC**	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	**TCE**	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	**TPH**	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	**TPHd**	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	**TPHg**	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	**TPHo**	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	**TRPH**	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	**TSDF**	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	**USDA**	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	**USGS**	United States Geological Survey
MCL	Maximum Contaminant Level	**UST**	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	**VCP**	Voluntary Cleanup Program
ND	None Detected	**VOC**	Volatile Organic Compound

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APPENDIX E

TRIP GENERATION AND VEHICLE MILES TRAVELED ANALYSIS

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CARLSBAD
CLOVIS
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

MEMORANDUM

DATE: August 25, 2023

TO: Taylor Richard, Assistant Planner, City of Hayward

FROM: Dean Arizabal, Principal, LSA

SUBJECT: Trip Generation and Vehicle Miles Traveled Analysis for the 22422 Rockway Lane Residential Project (LSA Project No. HAY2001.09)

LSA has prepared this trip generation and vehicle miles traveled (VMT) analysis for the proposed 22422 Rockaway Lane residential project (project) in Hayward, California. The proposed project includes 30 apartment units on an approximately 0.9-acre undeveloped parcel (Assessor's Parcel Nos. 415-230-078 and 415-230-079) at the northeast corner of the intersection of Rockaway Lane/ A Street. The proposed project site is bordered by the Rockaway Lane Apartments to the north, A Street to the south, the San Lorenzo Creek to the east, and Rockaway Lane to the west. Access to the proposed project would be provided via a new driveway on Rockaway Lane.

The purpose of this analysis is to identify the proposed project trip generation for the air quality and noise analyses and determine whether the project requires a VMT analysis per the *City of Hayward Transportation Impact Analysis Guidelines* (December 2020).

TRIP GENERATION

The daily and peak-hour trips of the proposed project were calculated using trip rates from the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*, 11th Edition (2021) for Multifamily Housing (Mid-Rise) (Land Use 221). Table A presents the ITE trip generation summary for the proposed project.

Table A: Project Trip Generation

Land Use	Size	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates[1]									
Multifamily Housing		du	4.54	0.09	0.28	0.37	0.24	0.15	0.39
Project Trip Generation									
Multifamily Housing	30	du	136	3	8	11	7	5	12

Source: Compiled by LSA (2023).

[1] Trip rates from the Institute of Transportation Engineers (ITE) *Trip Generation* Manual, 11th Edition (2021). Land Use 221 – Multifamily Housing (Mid-Rise) – Between 4 and 10 Levels

du = dwelling unit

As shown in Table A, the proposed project would generate 136 daily trips, including 11 trips (3 inbound and 8 outbound) in the a.m. peak hour and 12 trips (7 inbound and 5 outbound) in the p.m. peak hour.

VEHICLE MILES TRAVELED ANALYSIS

According to the *City of Hayward Transportation Impact Analysis Guidelines*, residential projects in areas of low VMT are screened out from a VMT analysis and are presumed to have a less than significant transportation impact. As shown on Figure 4 (CEQA Transportation Screening Map for Residential Projects) of the *City of Hayward Transportation Impact Analysis Guidelines* (attached), the proposed project is an area of greater than 15 percent below the average VMT per capita. The proposed project would include a dedication of 8 feet of the project site along Rockaway Lane that would result in the project site being 0.79 net acres in size. Therefore, the maximum allowable residences on the project site would be 27 units. The proposed project would utilize the State Density Bonus and include 30 units on the project site, and therefore would be above the units per acre density allowed. The proposed project would also utilize the State Density Bonus to provide less than the minimum parking spaces required. As such, the proposed project meets the City's VMT screening criteria. Therefore, based on its location, the proposed project is presumed to have a less than significant transportation impact.

CONCLUSIONS

LSA analyzed the trip generation of the proposed project for the air quality and noise analyses and to determine whether it would require a VMT analysis. The proposed project is anticipated to generate 136 daily trips, including 11 a.m. peak-hour trips and 12 p.m. peak-hour trips. Because the proposed project is in a low VMT area, it is screened out from a VMT analysis and is presumed to have a less than significant transportation impact.

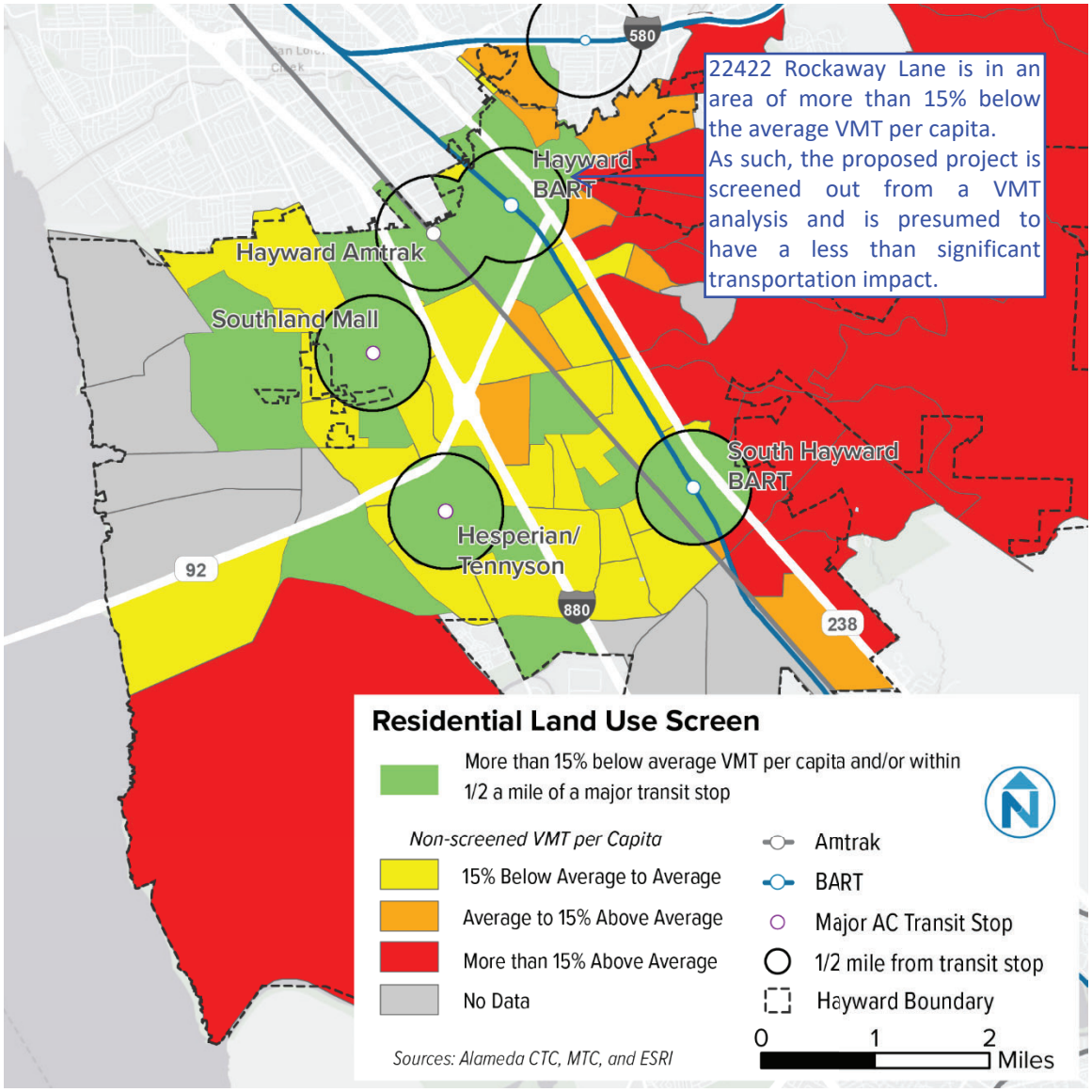
If you have any questions, please contact me at (949) 553-0666.

Attachment: A – Figure 4 of the *City of Hayward Transportation Impact Analysis Guidelines*

ATTACHMENT A

FIGURE 4 OF THE
CITY OF HAYWARD TRANSPORTATION IMPACT ANALYSIS GUIDELINES

Figure 4 CEQA Transportation Screening Map for Residential Projects



Location-Based Screening for Office Projects

Office projects located in areas of low VMT and/or within a half mile of a major transit stop or corridor and that include low VMT-supporting features will produce low VMT per employee. These areas are shown in Figure 5. Projects must include features that are similar or better for lowering VMT than what exists today for density and parking as detailed in Figure 3.